



Personal Systems Reference Lenovo® IdeaPad™ Netbooks and Notebooks 2008 - 2013 Withdrawn

Last Update: April 2014 - Version 452



Lenovo IdeaPad U300s

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Lenovo IdeaPad S100
Black



Lenovo IdeaPad S100
Black



Lenovo IdeaPad S100
Black



Lenovo IdeaPad S100
Black



Lenovo IdeaPad S100
Black



Lenovo IdeaPad S100
Black

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Bluetooth	Battery	Win7 preload
1067-22U	Atom N455	1.66	1GB	10.1" WSVGA	0.3M	GMA 3150	250GB ⁸	11b/g/n ²⁸	None	Black	Bluetooth	6-cell	Win 7 Starter

- *Lenovo's netbook: smaller and lighter than a notebook*
- *10.1" widescreen, glossy display with LED backlight*
- *Super-slim (starts at 0.6 inch thin)*
- *OneKey™ Rescue System includes OneKey Recovery with press of recovery key*
- *Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows*
- *This system is Microsoft® Office 2010 Product Key Ready (O10PKR)*

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Starter Edition Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • Lenovo Energy Management Software • Quick Start • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Atom™ Processor N455 with single-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										
Memory	1GB std / 2GB max / PC3-10600 1333MHz DDR3* , non-parity, single-channel, one 204-pin SO-DIMM socket; <i>Non-italics:</i> standard memory 1GB in socket; no socket available * System automatically clocks down for processors with 667MHz DDR3 memory controller										
Optical drive	None										
SATA disk	250GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, 2.5", not removable										
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 400:1 contrast ratio										
Camera	Camera on top of screen, 0.3-megapixel, fixed focus										
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor, external monitor support via analog VGA DB-15 connector										
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button										
Touch pad	One-piece touch pad with two button function										
Dimensions ³	<i>3-cell:</i> (WxDxH): 10.6" x 6.6" x 0.6-1.0"; 268mm x 168mm x 16-25.4mm <i>6-cell:</i> (WxDxH): 10.6" x 6.6" x 0.6-1.1"; 268mm x 168mm x 16-27.4mm										30-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Weight ²	<i>3-cell:</i> starting at 2.43 lb (1.1 kg) <i>6-cell:</i> starting at 2.65 lb (1.2 kg)										
Case color	<i>Top:</i> black; <i>bottom:</i> black <i>Palm rest:</i> black										Limited Warranty¹² ⇨ 1-year warranty*: * 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										
Battery - type	Lithium Ion, 3-cell or 6-cell										
Battery - life ¹⁰	<i>3-cell:</i> up to 2.5 hr; <i>6-cell:</i> up to 5.0 hr										
Chipset	Intel NM10 Express Chipset										
ExpressCard/34	None										
Multicard reader	2-in-1 reader (MultiMedia Card, Secure Digital Card)										
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										
TV tuner	None										
PCIe Mini Card	One PCI Express Mini Card slot										
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Realtek® or Atheros® chip										
WWAN	None										
Bluetooth™	Bluetooth 3.0 wireless										
Modem	None										
Ethernet	10/100 ethernet, RealTek® RTL8105E										
Audio support	High Definition (HD) Audio, RealTek ALC269 codec / stereo speakers (1.5 watt x 2) / mono microphone, microphone input / headphone combo jack (3.5 mm)										
Security	Power-on password, administrator password, hard disk password										
Fingerprint reader	None										

See footnotes for important warranty information
 US model(s) announced September 1, 2011
 US model(s) withdrawn effective March 2013

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 (STMT1-1) March 2013



Lenovo IdeaPad S205



Lenovo IdeaPad S205



Lenovo IdeaPad S205



Lenovo IdeaPad S205



Lenovo IdeaPad S205



Lenovo IdeaPad S205

IdeaPad™ S205 (1038) - Windows 7 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Cores	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Blue-tooth	Battery	Win7 preload	Avail date
1038-27U	AMD E-350	1.60	2	2+1GB	11.6" HD LED	1.3M	HD 6310	320GB ⁸	11b/g/n ²⁸	None	Black		6-cell	Prem 64	May 11
1038-28U	AMD E-350	1.60	2	4GBx1	11.6" HD LED	1.3M	HD 6310	750GB	11b/g/n	None	Black	Blue	6-cell	Prem 64	May 11
1038-29U	AMD E-350	1.60	2	4GBx1	11.6" HD LED	1.3M	HD 6310	500GB	11b/g/n	None	Black		6-cell	Prem 64	May 11
1038-33U	AMD E-300	1.30	2	4GBx1	11.6" HD LED	1.3M	HD 6310	500GB	11b/g/n	None	Black		6-cell	Prem 64	Nov 11
1038-34U	AMD E-450	1.65	2	4GBx1	11.6" HD LED	1.3M	HD 6320	500GB	11b/g/n	None	Black		6-cell	Prem 64	Nov 11
1038-32U	AMD E-450	1.65	2	4GBx1	11.6" HD LED	1.3M	HD 6320	750GB	11b/g/n	None	Black	Blue	6-cell	Prem 64	Nov 11

- 11.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning	Netbook; one-spindle										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64				
Processor	AMD Accelerated Processor E-300 (dual-core, 1.30GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz) AMD Accelerated Processor E-350 (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz) AMD Accelerated Processor E-450 (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon HD 6320 Graphics, integrated DDR3 memory controller (up to 1333MHz)										Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam • Lenovo ReadyComm • ooVoo™ • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Microsoft Office 2010 preloaded; purchase product key to activate 				
Memory	8GB max / PC3-8500 1066MHz DDR3 , non-parity, two 204-pin SO-DIMM sockets;														
Optical drive	None														
SATA disk	320GB (5400 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, 2.5" platter, Active Protection System™														
Widescreen display	11.6" (294.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 400:1 contrast ratio														
Camera	Camera on top of screen, 1.3-megapixel, fixed focus														
Integrated graphics	<i>Some:</i> AMD Radeon HD 6310 Graphics , in processor, DirectX® 11, use system memory, <i>Some:</i> AMD Radeon HD 6320 Graphics , in processor, DirectX® 11, use system memory, External monitor support via analog VGA DB-15 connector / digital HDMI connector														
Keyboard	Full size keyboard, Fn keys, 6-row, recovery key														
Touch controls	None														
Light sensor	None														
Touch pad	Two-button touch pad with scroll feature, multi-touch														
Dimensions ³	3-cell: (WxDxH): 11.4" x 7.6" x 1.0-1.2"; 290mm x 193mm x 26.3-30.6mm 6-cell: (WxDxH): 11.4" x 7.6" x 1.0-1.5"; 290mm x 193mm x 26.3-37.6mm										40-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant				
Weight ²	3-cell: starting at 2.89 lb (1.35 kg) 6-cell: starting at 3.26 lb (1.48 kg)														
Case color	<i>Top:</i> black; <i>bottom:</i> black														
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic														
Battery - type	Lithium Ion, 3-cell or 6-cell														
Battery - life ¹⁰	3-cell: up to 2.5 hr; 6-cell: up to 5 hr														
Chipset	AMD A50M FCH														
ExpressCard/34	None														
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)														
Ports	<i>Left side:</i> one USB 2.0 port and VGA DB-15 <i>Right side:</i> two USB 2.0 ports, HDMI, and ethernet (RJ-45)														
TV tuner	None														
PCIe Mini Card	Two PCI Express Mini Card slots														
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip														
WWAN	None														
Bluetooth™	<i>Some:</i> Bluetooth 2.1 wireless + EDR, LED indicator														
Modem	None														
Ethernet	10/100 ethernet, Atheros AR8105EL														
Audio support	High Definition (HD) Audio, RealTek ALC269® codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)														
Security	Power-on password, administrator password, hard disk password, security lockhole														
Fingerprint reader	None														

See footnotes for important warranty information
 US model(s) announced May 18 or November 23, 2011
 US model(s) withdrawn effective March 2013

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 (MSTO1-1) March 2013



Lenovo IdeaPad S9e



Lenovo IdeaPad S9e



Lenovo IdeaPad S10e



Lenovo IdeaPad S10e



Lenovo IdeaPad S10e



Lenovo IdeaPad S10e

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	Disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Preload	Avail date
4187-34U	Atom N270	1.60	512MB	8.9" WSVGA	Cam	GMA	80GB ² HDD	11b/g ¹¹	Gray		3-cell	XP Home	Nov 08
4187-33U	Atom N270	1.60	1GB	8.9" WSVGA	Cam	GMA	80GB HDD	11b/g	Gray	Blue	6-cell	XP Home	Dec 08

- **Lenovo's netbook: smaller and lighter than a notebook**
- **8.9" widescreen display with LED backlight**
- **Super-slim (starting at 0.9 inches thin), ultra-light (starting at 2.43 pounds)**
- **ExpressCard slot for WWAN card**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Integrated camera**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰	
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache										- Microsoft® Windows® XP Home Edition	
Memory	512MB or 1GB std / 1.5GB * max ⁷ / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; * Windows XP Home models can only be shipped with maximum of 1GB in memory <i>Italics:</i> standard memory 512MB soldered to systemboard, 512MB in socket; no sockets available; <i>Non-italics:</i> standard memory 512MB soldered to systemboard; one socket available										Preloaded applications¹⁴	
External combo SATA disk	None 80GB (5400 rpm) HDD / SATA 1.5Gb/s, 9.5mm high, 2.5" wide, not removable										• ThinkVantage® System Update	
Widescreen display	8.9" (226.1mm) WSVGA (1024x600) TFT color, LED backlight, 180 nits, 16:10 aspect ratio, 300:1 contrast ratio										• Norton Internet Security™ (90 days of virus definitions)	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus										• Adobe Flash® Player	
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), in 945GSE										• Windows Live™ Toolbar	
Keyboard	6-row, 80-key, 85% size, Fn keys, Novo key, wireless on/off button										• Microsoft Office 2007 Trial (60-day) (HDD models only)	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch										• Adobe® Reader® (HDD models only)	
Dimensions ³	3-cell: (WxDxH): 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm 6-cell: (WxDxH): 9.8" x 7.7" x 0.9-1.4"; 250mm x 196mm x 22-36mm										• PC-Doctor™ (diagnostics) (HDD models only)	
Weight ²	3-cell with HDD: starting at 2.65 lb (1.2kg) 6-cell with HDD: starting at 2.87 lb (1.3kg)											
Case color	Top: dark gray Bottom: dark gray											
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic											
Battery - type	Lithium Ion, 3-cell 2600 mAh or 6-cell 4800 mAh											
Battery - life ¹⁰	3-cell: up to 2.5 hr; 6-cell: up to 5.0 hr											
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)											
ExpressCard/34	One slot (ExpressCard/34)										40-watt AC adapter	
Multicard reader	4-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card)										RoHS-compliant	
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)											
TV tuner	None										Limited Warranty¹²	
Mini PCI Express	One Mini PCI Express slot											
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312											
Bluetooth™	Some: Bluetooth 2.1 wireless, LED indicator											
Modem	None											
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3											
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)											
Security	Power-on password, supervisor password, security keyhole										↪ Split warranty: 1-year for display, disk, systemboard; 90-day for other parts ↪ EasyServ™ depot repair service ¹⁹ ↪ International Warranty Service ¹⁷ ↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 800-426-7378	
Fingerprint reader	None											

See footnotes for important warranty information
 US models announced November 25 or December 9, 2008
 US models withdrawn effective July 2009

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 (KRL1-1) July 2009

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	Disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Preload	Avail date
4187-32U	Atom N270	1.60	512MB	8.9" WSVGA	Cam	GMA	4GB ² SSD	11b/g ¹¹	Gray	None	3-cell	SLED10	Nov 08
4187-DRU	Atom N270	1.60	1GB	8.9" WSVGA	Cam	GMA	4GB SSD	11b/g	Gray	None	6-cell	SLED10	Dec 08

- **Lenovo's netbook: smaller and lighter than a notebook**
- **8.9" widescreen display with LED backlight**
- **Super-slim (starting at 0.9 inches thin), ultra-light (starting at 2.43 pounds)**
- **ExpressCard slot for WWAN card**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Integrated camera**

Positioning	<i>Netbook; consumer markets</i>							Preloaded operating system²⁰					
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache							- SUSE® Linux™ Enterprise Desktop10 Service Pack 2					
Memory	512MB or 1GB std / 1.5GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Italics:</i> standard memory 512MB soldered to systemboard, 512MB in socket; no sockets available; <i>Non-italics:</i> standard memory 512MB soldered to systemboard; one socket available							Preloaded applications ¹⁴					
External combo EIDE disk	None 4GB Solid State Drive (SSD) / EIDE, not removable							• Firefox® Web Browser					
Widescreen display	8.9" (226.1mm) WSVGA (1024x600) TFT color, LED backlight, 180 nits, 16:10 aspect ratio, 300:1 contrast ratio							• OpenOffice					
Camera	Camera on top of screen, 0.3-megapixel, fixed focus							• Evolution® email client					
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), in 945GSE							• Pidgin instant messaging client					
Keyboard	6-row, 80-key, 85% size, Fn keys, Novo key, wireless on/off button							• Network Manager					
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch							• GNOME™ Power Manager					
Dimensions ³	3-cell: (WxDxH): 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm 6-cell: (WxDxH): 9.8" x 7.7" x 0.9-1.4"; 250mm x 196mm x 22-36mm							• AppArmor® Firewall					
Weight ²	3-cell with SSD: starting at 2.43 lb (1.1kg) 6-cell with SSD: starting at 2.65 lb (1.2kg)							• F-Spot photo software					
Case color	Top: dark gray Bottom: dark gray							• GIMP image editor					
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic							• Banshee® music player					
Battery - type	Lithium Ion, 3-cell 2600 mAh or 6-cell 4800 mAh							• RealPlayer®					
Battery - life ¹⁰	3-cell: up to 2.5 hr; 6-cell: up to 5.0 hr							• ClamAV™					
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)							• Adobe® Reader®					
ExpressCard/34	One slot (ExpressCard/34)							• System Backup Utility					
Multicard reader	4-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card)							40-watt AC adapter					
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)							RoHS-compliant					
TV tuner	None							Limited Warranty¹²					
Mini PCI Express	One Mini PCI Express slot												
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312												
Bluetooth™	None												
Modem	None												
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3												
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)												
Security	Power-on password, supervisor password, security keyhole												
Fingerprint reader	None												

See footnotes for important warranty information
 US models announced November 25 or December 9, 2008
 US models withdrawn effective July 2009

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 (KRL1-2) July 2009

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	Disks HDD	SSD	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery cells	Quick Start	Preload	Avail date
4187-39U	Atom N270	1.60	512MB	10.1" WSVGA	Cam	GMA	80GB ²		11b/g ¹¹	Gray		3-cell	Quick	XP Home	Nov 08
4187-3AU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	80GB		11b/g	Gray	Blue	6-cell	Quick	XP Home	Dec 08
4187-2PU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB		11b/g	Gray		3-cell	Quick	XP Home	Mar 09
4187-2SU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB		11b/g	Gray		6-cell	Quick	XP Home	Mar 09
4187-2NU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB		11b/g	Gray	Blue	6-cell	Quick	XP Home	Mar 09
4187-4MU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB		11b/g	Black		3-cell	Quick	XP Home	Apr 09
4187-4LU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB		11b/g	Black		6-cell	Quick	XP Home	Apr 09
4187-4KU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB		11b/g	Black	Blue	6-cell	Quick	XP Home	Apr 09
4187-2QU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB	4GB	11b/g	Gray		3-cell		XP Home	Mar 09

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.1" widescreen display with LED backlight**
- **Super-slim (starting at 0.9 inches thin), ultra-light (starting at 2.43 pounds)**
- **ExpressCard slot for WWAN card**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Integrated camera**
- **(Select models) Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰				
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache										- Genuine Windows® XP Home Edition				
Memory	512MB or 1GB std / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; * Windows XP Home models can only be shipped with maximum of 1GB in memory										Preloaded applications¹⁴				
External combo SATA disk	None 80GB (5400 rpm) or 160GB (5400 rpm) HDD / SATA 1.5Gb/s, 9.5mm high, 2.5" wide, not removable										<ul style="list-style-type: none"> • ThinkVantage® System Update • Norton Internet Security™ (90 days of virus definitions) • Adobe Flash® Player • Windows Live™ Toolbar • Microsoft® Office 2007 Trial (60-day) (HDD models only) • Adobe® Reader® (HDD models only) • PC-Doctor™ (diagnostics) (HDD models only) 				
Widescreen display	10.1" (256.5mm) WSVGA (1024x576) TFT color, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio										4187-2QU: SSD model without Office 2007 Trial, Adobe Reader, and PC-Doctor				
Camera	Camera on top of screen, 1.3-megapixel, fixed focus														
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), in 945GSE														
Keyboard	6-row, 80-key, 85% size, Fn keys, Novo key, wireless on/off button														
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch														
Dimensions ³	3-cell: (WxDxH): 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm 6-cell: (WxDxH): 9.8" x 7.7" x 0.9-1.4"; 250mm x 196mm x 22-36mm														
Weight ²	3-cell: starting at 2.65 lb (1.2 kg) 6-cell: starting at 3.09 lb (1.4 kg)										40-watt AC adapter RoHS-compliant				
Case color	Top: dark gray or black Bottom: dark gray or black														
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic														
Battery - type	Lithium Ion, 3-cell 2600 mAh or 6-cell 4800 mAh														
Battery - life ¹⁰	3-cell: up to 2.5 hr; 6-cell: up to 5.0 hr										Limited Warranty¹²				
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)														
ExpressCard/34	One slot (ExpressCard/34)														
Multicard reader	4-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card)														
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)														
TV tuner	None														
Mini PCI Express	One Mini PCI Express slot										<ul style="list-style-type: none"> ↪ Split warranty: 1-year for display, disk, systemboard; 90-day for other parts ↪ EasyServ™ depot repair service¹⁹ ↪ International Warranty Service¹⁷ ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 800-426-7378 				
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312														
Bluetooth™	Some: Bluetooth 2.1 wireless, LED indicator														
Modem	None														
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3														
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)														
Security	Power-on password, supervisor password, security keyhole														
Fingerprint reader	None														

See footnotes for important warranty information

US models announced November 25 or December 9, 2008, or March 17, March 24, or April 7, 2009

US models withdrawn effective July 2009

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(KRL1-5) November 2009

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	Disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Preload	Avail date
4187-ERU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	4GB ² SSD	11b/g ¹¹	Gray	None	6-cell	SLED10	Dec 08

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.1" widescreen display with LED backlight**
- **Super-slim (starting at 0.9 inches thin), ultra-light (starting at 2.43 pounds)**
- **ExpressCard slot for WWAN card**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Integrated camera**

Positioning	<i>Netbook; consumer markets</i>							Preloaded operating system²⁰					
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache							- SUSE® Linux™ Enterprise Desktop10 Service Pack 2					
Memory	1GB std / 1.5GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Italics:</i> standard memory 512MB soldered to systemboard, 512MB in socket; no sockets available							Preloaded applications ¹⁴					
External combo EIDE disk	None 4GB Solid State Drive (SSD) / EIDE, not removable							• Firefox® Web Browser					
Widescreen display	10.1" (256.5mm) WSVGA (1024x576) TFT color, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio							• OpenOffice					
Camera	Camera on top of screen, 1.3-megapixel, fixed focus							• Evolution® email client					
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), in 945GSE							• Pidgin instant messaging client					
Keyboard	6-row, 80-key, 85% size, Fn keys, Novo key, wireless on/off button							• Network Manager					
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch							• GNOME™ Power Manager					
Dimensions ³	3-cell: (WxDxH): 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm 6-cell: (WxDxH): 9.8" x 7.7" x 0.9-1.4"; 250mm x 196mm x 22-36mm							• AppArmor® Firewall					
Weight ²	3-cell with SSD: starting at 2.43 lb (1.1kg) 6-cell with SSD: starting at 2.87 lb (1.3kg)							• F-Spot photo software					
Case color	Top: dark gray Bottom: dark gray							• GIMP image editor					
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic							• Banshee® music player					
Battery - type	Lithium Ion, 3-cell 2600 mAh or 6-cell 4800 mAh							• RealPlayer®					
Battery - life ¹⁰	3-cell: up to 2.5 hr; 6-cell: up to 5.0 hr							• ClamAV™					
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)							• Adobe® Reader®					
ExpressCard/34	One slot (ExpressCard/34)							• System Backup Utility					
Multicard reader	4-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card)												
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)							40-watt AC adapter RoHS-compliant					
TV tuner	None							Limited Warranty¹²					
Mini PCI Express	One Mini PCI Express slot							↪ Split warranty:					
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312							1-year for display, disk, systemboard;					
Bluetooth™	None							90-day for other parts					
Modem	None							↪ EasyServ™ depot repair service ¹⁹					
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3							↪ International Warranty Service ¹⁷					
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)							↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 800-426-7378					
Security	Power-on password, supervisor password, security keyhole												
Fingerprint reader	None												

See footnotes for important warranty information
US model announced December 9, 2008
US models withdrawn effective July 2009

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(KRL1-6) November 2009

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	Disk	Mini PCIe 802.11 wireless	Color	Bluetooth	Battery cells	Quick Start	Preload	Avail date
4187-RVU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB ²	11b/g	Black	Bluetooth	6-cell	Quick	XP Home	May 09
4187-RWU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB	11b/g	Black		6-cell	Quick	XP Home	May 09
4187-RXU	Atom N270	1.60	1GB	10.1" WSVGA	Cam	GMA	160GB	11b/g	Black		3-cell	Quick	XP Home	May 09

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.1" widescreen display with LED backlight**
- **Super-slim (starting at 0.9 inches thin), ultra-light (starting at 2.43 pounds)**
- **ExpressCard slot for WWAN card**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Integrated camera**
- **(Select models) Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰			
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache										- Genuine Windows® XP Home Edition			
Memory	1GB std / 2GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; * Windows XP Home models can only be shipped with maximum of 1GB in memory <i>Non-italics</i> : standard memory 1GB in socket; no socket available										Preloaded applications¹⁴			
External combo SATA disk	None 160GB (5400 rpm) HDD / SATA 1.5Gb/s, 9.5mm high, 2.5" wide, not removable										• ThinkVantage® System Update			
Widescreen display	10.1" (256.5mm) WSVGA (1024x576) TFT color, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio										• Norton Internet Security™ (90 days of virus definitions)			
Camera	Camera on top of screen, 1.3-megapixel, fixed focus										• Adobe Flash® Player			
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), in 945GSE										• Windows Live™ Toolbar			
Keyboard	6-row, 80-key, 85% size, Fn keys, Novo key, wireless on/off button										• Adobe® Reader® (HDD models only)			
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch										• PC-Doctor™ (diagnostics) (HDD models only)			
Dimensions ³	3-cell: (WxDxH): 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm 6-cell: (WxDxH): 9.8" x 7.7" x 0.9-1.4"; 250mm x 196mm x 22-36mm													
Weight ²	3-cell: starting at 2.65 lb (1.2 kg) 6-cell: starting at 3.09 lb (1.4 kg)													
Case color	Top: dark gray or black Bottom: dark gray or black													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion, 3-cell 2600 mAh or 6-cell 4800 mAh													
Battery - life ¹⁰	3-cell: up to 2.5 hr; 6-cell: up to 5.0 hr													
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)													
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	4-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card)										40-watt AC adapter			
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										RoHS-compliant			
TV tuner	None										Limited Warranty¹²			
Mini PCI Express	One Mini PCI Express slot													
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312													
Bluetooth™	Some: Bluetooth 2.1 wireless, LED indicator													
Modem	None													
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3													
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)													
Security	Power-on password, supervisor password, security keyhole													
Fingerprint reader	None													

See footnotes for important warranty information
US models announced May 19, 2009
US models withdrawn effective March 2010

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(KRL1-7) March 2010

**Partial list of accessories supported on:
IdeaPad S9e and S10e**
Memory1 GB PC2-5300 DDR2 SODIMM 40Y7734 *ann 01/05/06***Storage and removable storage**USB 2.0 Essential Memory Key 4GB 45J7904 *ann 06/24/08*USB 2.0 Essential Memory Key 8GB 45J7905 *ann 07/15/08*USB 2.0 Super Multi-Burner Drive 41N5565 *ann 01/23/07*USB 2.0 Portable 500GB Hard Disk 45K1690 *ann 05/26/09***Expansion**USB Port Replicator with Digital Video 45K1610 *ann 07/28/09***Mouse**Lenovo Wireless Laser Mouse - Black⁵² 45K1696 *ann 11/25/08*Lenovo Wireless Laser Mouse - Red/Black⁵² 51J0198 *ann 11/25/08*⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.ThinkPad® Bluetooth Laser Mouse⁴⁵ 41U5008 *ann 01/22/08*⁴⁵ Requires Bluetooth enabled IdeaPad systems**Security**Kensington® MicroSaver® Cable Lock 73P2582 *ann 12/29/03*Kensington Twin Head Cable Lock 45K1620 *ann 09/30/08***Multimedia**USB 2.0 Lenovo Webcam 40Y8519 *ann 08/29/06***Modem**USB 2.0 Lenovo Modem 43R1814 *ann 02/26/08***Batteries**IdeaPad S Series Li-Ion Battery 3-cell (blk) 45K1274 *ann 11/25/08*IdeaPad S Series Li-Ion Battery 6-cell (blk) 45K1275 *ann 11/25/08*IdeaPad S Series Li-Ion Battery 3-cell (wht) 51J0398 *ann 12/16/08*IdeaPad S Series Li-Ion Battery 6-cell (wht) 51J0399 *ann 12/16/08*IdeaPad S Series 40W AC Adapter 41R4441 *ann 11/25/08***Carrying Cases**IdeaPad S9e/S10e Case Sleeve 45K1609 *ann 11/25/08*Lenovo Carrying Case - Messenger Max 41U5253 *ann 05/01/07*Lenovo Standard Case 45K1697 *ann 11/25/08*Lenovo Standard Backpack 45K1698 *ann 11/25/08***Monitors**Lenovo® L215 Wide 21.5" Monitor 6325HB1 *ann 01/27/09*ThinkVision® L1711p 17" Monitor 5047HB2 *ann 10/20/09*ThinkVision L1900p 19" Monitor 4431HE1 *ann 11/11/08*ThinkVision L1951p Wide 19" Monitor 2448HB6 *ann 10/20/09*ThinkVision L2250p Wide 22" Monitor 2572HB6 *ann 10/20/09*ThinkVision L2251p Wide 22" Monitor 2572HD6 *ann 10/20/09*ThinkVision L2251x Wide 22" Monitor 2578HB6 *ann 10/20/09*ThinkVision L2440p Wide 24" Monitor 4420HB2 *ann 09/17/08***Monitor Accessories⁴⁶**ThinkVision USB Soundbar 40Y7616 *ann 08/23/05*ThinkVision Soundbar 45K1263 *ann 09/16/08*Kensington MicroSaver Cable Lock 73P2582 *ann 12/29/03*Kensington Twin Head Cable Lock 45K1620 *ann 09/30/08*Lenovo Easy Reach Monitor Stand 55Y9258 *ann 09/22/09*Radial Arm 19K4464 *ann 05/05/00*⁴⁶ Compatible on selected ThinkVision monitors.**Consumer monitors**Lenovo L195 Wide 19" LCD Monitor 4418HC1 *ann 09/02/08*Lenovo L222 Wide 22" LCD Monitor 4432HF1 *ann 09/02/08*Other accessories at <http://www.lenovo.com/accessories>Accessories Guide pdf at <http://www.lenovo.com/accessoriesguide>

**Partial list of Lenovo® Care Services²²
for IdeaPad® S10e**

For more information see:

http://www.lenovo.com/services_warranty/us/en/index.html**Lenovo Care service upgrade options****IdeaPad® S10e with Split warranty***Mail in = Mail In repair, ADP = Accidental Damage Protection,
HDDR = Hard Drive Retention*

2-year Mail In warranty 9x5	55Y3556
3-year Mail In warranty 9x5	55Y3557
4-year Mail In warranty 9x5	55Y3558
1-year Mail In warranty 9x5 with ADP	55Y3559
2-year Mail In warranty 9x5 with ADP	55Y3560
3-year Mail In warranty 9x5 with ADP	55Y3561
4-year Mail In warranty 9x5 with ADP	55Y3562
1-year Mail In warranty 9x5 with HDDR	55Y3571
2-year Mail In warranty 9x5 with HDDR	55Y3572
3-year Mail In warranty 9x5 with HDDR	55Y3573
4-year Mail In warranty 9x5 with HDDR	55Y3574

*LOR = Lenovo Onsite Repair, ADP = Accidental Damage Protection,
HDDR = Hard Drive Retention*

1-year LOR 9x5 Next Business Day	55Y3563
2-year LOR 9x5 Next Business Day	55Y3564
3-year LOR 9x5 Next Business Day	55Y3565
4-year LOR 9x5 Next Business Day	55Y3566
1-year LOR 9x5 Next Business Day with ADP	55Y3567
2-year LOR 9x5 Next Business Day with ADP	55Y3568
3-year LOR 9x5 Next Business Day with ADP	55Y3569
4-year LOR 9x5 Next Business Day with ADP	55Y3570
1-year LOR 9x5 Next Business Day with HDDR	55Y3599
2-year LOR 9x5 Next Business Day with HDDR	55Y3600
3-year LOR 9x5 Next Business Day with HDDR	55Y3601
4-year LOR 9x5 Next Business Day with HDDR	55Y3602

ThinkPlus Secure Business**Lenovo Online Data Backup**

- Secure offsite data storage
- 256-bit Advanced Encryption System
- Data recovery or access in case of an unforeseen event
- Automatic, remote management
- Choose which business critical data to back up

1-year Lenovo Online Data Backup - 10GB	51J0787
1-year Lenovo Online Data Backup - 25GB	51J0795
1-year Lenovo Online Data Backup - 50GB	45K5849
1-year Lenovo Online Data Backup - Unlimited	45K5870

Note: Supported only on Microsoft® Windows® operating systems

ideapad



Lenovo IdeaPad S10
Classic White



Lenovo IdeaPad S10
Deep Blue



Lenovo IdeaPad S10
Bold Black, Ruby Red,
Deep Blue, Classic White, Pastel Pink



Lenovo IdeaPad S10
Pastel Pink



Lenovo IdeaPad S10
Ruby Red



Lenovo IdeaPad S10
Ruby Red

Part number	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Preload	Avail date
59019958	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB ⁸	11b/g ¹¹	Blue	None	3-cell	XP Home	Apr 09
59019954	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Pink	None	3-cell	XP Home	Apr 09
59019949	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Black	None	3-cell	XP Home	Apr 09
59019956	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	White	None	3-cell	XP Home	Apr 09
59019952	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Red	None	3-cell	XP Home	Apr 09
59019947	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Black	None	6-cell	XP Home	Apr 09
59019955	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	White	None	6-cell	XP Home	Apr 09

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- **10.2" widescreen, anti-glare display with LED backlight**
- **Super-slim (starts at 0.9 inches thin), ultra-light (weighs just over 2.43 pounds)**
- **Multiple color choices: black, white, red, blue, or pink (piano finish for red, blue, pink)**
- **Touch pad supports multi-touch function to enhance the experience of user control**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face.**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰ - Genuine Windows® XP Home Edition Preloaded applications¹⁴ • Lenovo® OneKey Recovery • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Lenovo Energy Management Software • VeriFace™
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache										
Memory	1GB std / 1GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket <i>Non-italics: standard memory 1GB in socket; no socket available</i>										
Diskette drive	None										
External combo	None										
SATA disk	160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, 2.5" platter, not removable										
Widescreen display	10.2" (259.1mm) WSVGA (1024x600) TFT color , anti-glare, LED backlight , 200 nits, 16:10 aspect ratio, 300:1 contrast ratio										
Camera	Camera on top of screen, 1.3-megapixel, fixed focus										
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) , in 945GSE										
Keyboard	6-row, 80-key, 85% size, multimedia Fn keys, recovery key, wireless on/off button										
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch										
Dimensions ³	<i>3-cell: (WxDxH): 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm</i>										
Weight ²	<i>6-cell: (WxDxH): 9.8" x 7.7" x 0.9-1.4"; 250mm x 196mm x 22-36mm</i>										
Case color	<i>3-cell: starting at 2.43 lb (1.1 kg)</i> <i>6-cell: starting at 2.87 lb (1.3 kg)</i> Top: multiple color choices: black, white, red, blue, or pink (piano finish for red, blue, pink) Bottom: color matches top color										Available at these retailers • B&H™ • TigerDirect • Amazon.com • J&R™
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										
Battery - type	Lithium Ion, 3-cell										40-watt AC adapter RoHS-compliant
Battery - life ¹⁰	<i>3-cell: up to 3.0 hr; 6-cell: up to 6.0 hr</i>										
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)										Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year accidental damage protection via depot 45K5979 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 45K5970 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 45K5985 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
ExpressCard/34	One slot (ExpressCard/34)										
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)										
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										
TV tuner	None										
Mini PCI Express	One Mini PCI Express slot										
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312										
Bluetooth™	None										
Modem	None										
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3										
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)										
Security	Power-on password, supervisor password, security keyhole,										
Fingerprint reader	None										

See footnotes for important warranty information
 US models announced on April 7 or April 22, 2009;
 US models withdrawn effective October, 2010

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 (MRA1-4) October 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Preload	Avail date
4231-2BU	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB ⁸	11b/g ¹¹	Black	None	3-cell	XP Home	Aug 08
4231-3AU	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB	11b/g	Black	None	3-cell	XP Home	Sep 08
4231-2CU	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB	11b/g	White	None	3-cell	XP Home	Aug 08
4231-2DU	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB	11b/g	Red	None	3-cell	XP Home	Aug 08
4231-36U	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB	11b/g	Blue	None	3-cell	XP Home	Oct 08
4231-2AU	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB	11b/g	Pink	None	3-cell	XP Home	Dec 08
4231-3CU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Black	None	3-cell	XP Home	Sep 08
4231-3DU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Black	None	3-cell	XP Home	Sep 08
4231-35U	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Black	None	3-cell	XP Home	Dec 08
4231-34U	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	White	None	3-cell	XP Home	Dec 08
4231-33U	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Red	None	3-cell	XP Home	Dec 08
4231-37U	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Blue	None	3-cell	XP Home	Oct 08
4231-32U	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Pink	None	3-cell	XP Home	Dec 08

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.2" widescreen, anti-glare display with LED backlight**
- **Super-slim (starts at 0.9 inches thin), ultra-light (weighs just over 2.43 pounds)**
- **Multiple color choices: black, white, red, blue, or pink (piano finish for red, blue, pink)**
- **Touch pad supports multi-touch function to enhance the experience of user control**
- **Integrated 1.3 megapixel camera**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**

Positioning	<i>Netbook; consumer markets</i>		Preloaded operating system ²⁰ - Genuine Windows® XP Home Edition
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache		
Memory	512MB or 1GB std / 1.5GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Italics:</i> standard memory 512MB soldered to systemboard, 512MB in socket; no sockets available; <i>Non-italics:</i> standard memory 512MB soldered to systemboard; one socket available		Preloaded applications ¹⁴ • Lenovo® OneKey Recovery • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Lenovo Energy Management Software
Diskette drive	None		
External combo	None		Available at these retailers • lenovo.com • Fry's
SATA disk	80GB (5400 rpm) or 160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, 2.5" platter, not removable		
Widescreen display	10.2" (259.1mm) WSVGA (1024x600) TFT color , anti-glare, LED backlight , 200 nits, 16:10 aspect ratio, 300:1 contrast ratio		40-watt AC adapter RoHS-compliant
Camera	Camera on top of screen, 1.3-megapixel, fixed focus		
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) , in 945GSE		Limited Warranty ¹² ↪ 1-year parts and labor ↪ Depot repair service ¹⁹ ↪ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 45K5979 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 45K5970 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 45K5985 ↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Keyboard	6-row, 80-key, 85% size, multimedia Fn keys, recovery key, wireless on/off button		
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch		
Dimensions ³	<i>(WxDxH):</i> 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm		
Weight ²	<i>3-cell:</i> starting at 2.43 lb (1.1 kg)		
Case color	<i>Top:</i> multiple color choices: black, white, red, blue, or pink (piano finish for red, blue, pink) <i>Bottom:</i> color matches top color		
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic		
Battery - type	Lithium Ion, 3-cell 2600 mAh		
Battery - life ¹⁰	<i>3-cell:</i> up to 3.0 hr		
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)		
ExpressCard/34	One slot (ExpressCard/34)		
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)		
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)		
TV tuner	None		
Mini PCI Express	One Mini PCI Express slot		
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312		
Bluetooth™	None		
Modem	None		
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3		
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)		
Security	Power-on password, supervisor password, security keyhole,		
Fingerprint reader	None		

See footnotes for important warranty information

US models announced on August 19, September 9, October 7, or December 10, 2008;

US models withdrawn effective October, 2010

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Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Preload	Avail date
4231-A8U	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB ⁸	11b/g ¹¹	Black	None	3-cell	XP Home	Mar 09
4231-A9U	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	White	None	3-cell	XP Home	Mar 09
4231-AAU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Pink	None	3-cell	XP Home	Mar 09
4231-ABU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Red	None	3-cell	XP Home	Mar 09
4231-ACU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Blue	None	3-cell	XP Home	Mar 09
4231-ADU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Pink	None	6-cell	XP Home	Mar 09
4231-AEU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Red	None	6-cell	XP Home	Mar 09
4231-AFU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	White	None	6-cell	XP Home	Mar 09
4231-AGU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Black	None	6-cell	XP Home	Mar 09
4231-AJU	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Blue	None	6-cell	XP Home	Mar 09

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.2" widescreen, anti-glare display with LED backlight**
- **Super-slim (starts at 0.9 inches thin), ultra-light (weighs just over 2.43 pounds)**
- **Multiple color choices: black, white, red, blue, or pink (piano finish for red, blue, pink)**
- **Touch pad supports multi-touch function to enhance the experience of user control**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face.**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning	<i>Netbook; consumer markets</i>		Preloaded operating system²⁰ - Genuine Windows® XP Home Edition Preloaded applications¹⁴ • Lenovo® OneKey Recovery • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Lenovo Energy Management Software • VeriFace™
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache		
Memory	1GB std / 1GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Non-italics:</i> standard memory 1GB in socket; no socket available		
Diskette drive	None		
External combo	None		
SATA disk	160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, 2.5" platter, not removable		
Widescreen display	10.2" (259.1mm) WSVGA (1024x600) TFT color , anti-glare, LED backlight , 200 nits, 16:10 aspect ratio, 300:1 contrast ratio		
Camera	Camera on top of screen, 1.3-megapixel, fixed focus		
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) , in 945GSE		
Keyboard	6-row, 80-key, 85% size, multimedia Fn keys, recovery key, wireless on/off button		
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch		
Dimensions ³	<i>3-cell:</i> (WxDxH): 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm <i>6-cell:</i> (WxDxH): 9.8" x 7.7" x 0.9-1.4"; 250mm x 196mm x 22-36mm		
Weight ²	<i>3-cell:</i> starting at 2.43 lb (1.1 kg) <i>6-cell:</i> starting at 2.87 lb (1.3 kg)		
Case color	<i>Top:</i> multiple color choices: black, white, red, blue, or pink (piano finish for red, blue, pink) <i>Bottom:</i> color matches top color		
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic		
Battery - type	Lithium Ion, 3-cell or 6-cell		
Battery - life ¹⁰	<i>3-cell:</i> up to 3.0 hr; <i>6-cell:</i> up to 6.0 hr		
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)		
ExpressCard/34	One slot (ExpressCard/34)		
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)		
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)		
TV tuner	None		
Mini PCI Express	One Mini PCI Express slot		
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312		
Bluetooth™	None		
Modem	None		
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3		
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)		
Security	Power-on password, supervisor password, security keyhole,		
Fingerprint reader	None		
			Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year accidental damage protection via depot 45K5979 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 45K5970 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 45K5985 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US models announced March 17, 2009
 US models withdrawn effective October, 2010

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Type-model	Processor	GHz	Memory	Widescreen display	Cam-era	Integrated graphics	Disk	Mini PCIe 802.11 wireless	Mini PCIe WWAN	Color	Bluetooth	Battery cells	Quick Start	Preload	Avail date
4333-36U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB ²	11b/g ¹¹		Black		3-cell	Quick	XP Home	Oct 09
4333-37U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g		Black		6-cell	Quick	XP Home	Oct 09
4333-38U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g		Black	Bluetooth	6-cell	Quick	XP Home	Oct 09
4333-22U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	WWAN	Black		3-cell	Quick	XP Home	May 09
4333-25U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	WWAN	Black		6-cell	Quick	XP Home	May 09
4333-2TU	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	WWAN	Black	Bluetooth	6-cell	Quick	XP Home	May 09
4333-2WU	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	AT&T	Black	Bluetooth	6-cell	Quick	XP Home	Oct 09

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.1" widescreen display with LED backlight**
- **Super-slim (starting at 0.9 inches thin), ultra-light (starting at 2.43 pounds)**
- **Integrated WWAN adapter**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Integrated camera**
- **(Select models) Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰			
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache										- Genuine Windows® XP Home Edition			
Memory	1GB std / 2GB* max ⁷ / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; * Windows XP Home models can only be shipped with maximum of 1GB in memory <i>Non-italics:</i> standard memory 1GB soldered to systemboard; one socket available										Preloaded applications¹⁴			
External combo SATA disk	None 160GB (5400 rpm) HDD / SATA 1.5Gb/s, 9.5mm high, 2.5" wide, not removable										• Norton Internet Security™ (90 days of virus definitions)			
Widescreen display	10.1" (256.5mm) WSVGA (1024x576) TFT color, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio										• Adobe® Reader			
Camera	Camera on top of screen, 1.3-megapixel, fixed focus										• Windows Live™ Toolbar			
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), in 945GSE										• Lenovo Energy Management Software			
Keyboard	6-row, 80-key, 85% size, Fn keys, Novo key, wireless on/off button										• VeriFace™			
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch										• Lenovo Quick Start			
Dimensions ³	3-cell: (WxDxH): 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm 6-cell: (WxDxH): 9.8" x 7.7" x 0.9-1.4"; 250mm x 196mm x 22-36mm										• Ericsson Connection Manager			
Weight ²	3-cell: starting at 2.65 lb (1.2 kg) 6-cell: starting at 3.09 lb (1.4 kg)													
Case color	Top: black Bottom: black													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion, 3-cell 2600 mAh or 6-cell 4800 mAh													
Battery - life ¹⁰	3-cell: up to 2.5 hr; 6-cell: up to 5.0 hr													
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)													
ExpressCard/34	None													
Multicard reader	4-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card)													
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)													
TV tuner	None										40-watt AC adapter RoHS-compliant			
Mini PCI Express 11b/g ²⁸	Two Mini PCI Express slots 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312										Limited Warranty¹²			
WWAN	Some: Wireless WAN, Ericsson chipset, Mini PCIe adapter, GPRS/WCDMA/HSPA													
AT&T	Some: Wireless WAN, Ericsson chipset, Mini PCIe adapter and SIM, GPRS/WCDMA/HSPA, service contract required with AT&T													
Bluetooth™	Some: Bluetooth 2.1 wireless, LED indicator													
Modem	None													
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3										↪ Split warranty: 1-year for display, disk, systemboard; 90-day for other parts			
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)										↪ EasyServ™ depot repair service ¹⁹			
Security	Power-on password, supervisor password, security keyhole										↪ International Warranty Service ¹⁷			
Fingerprint reader	None										↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 800-426-7378			

See footnotes for important warranty information
 US models announced on May 27, September 30, or October 20, 2009;
 US models withdrawn effective October, 2010

Part number	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Preload	Avail date
59015819	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB ⁸	11b/g ¹¹	Pink	None	3-cell	XP Home	Sep 08
59015866	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB	11b/g	White	None	3-cell	XP Home	Sep 08
59015875	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB	11b/g	Black	None	3-cell	XP Home	Sep 08
59015864	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB	11b/g	Black	None	3-cell	XP Home	Nov 08
59015817	Atom N270	1.60	512MB	10.2" WSVGA	Cam	GMA	80GB	11b/g	Red	None	3-cell	XP Home	Nov 08
59016575	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Black	None	3-cell	XP Home	Nov 08
59016410	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Black	None	3-cell	XP Home	Dec 08
59016593	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	White	None	3-cell	XP Home	Nov 08
59016604	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Red	None	3-cell	XP Home	Nov 08
59016819	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Black	None	3-cell	XP Home	Mar 09
59016598	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Blue	None	3-cell	XP Home	Mar 09
59017496	Atom N270	1.60	1GB	10.2" WSVGA	Cam	GMA	160GB	11b/g	Pink	None	3-cell	XP Home	Mar 09

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- **10.2" widescreen, anti-glare display with LED backlight**
- **Super-slim (starts at 0.9 inches thin), ultra-light (weighs just over 2.43 pounds)**
- **Multiple color choices: black, white, red, blue, or pink (piano finish for red, blue, pink)**
- **Touch pad supports multi-touch function to enhance the experience of user control**
- **Integrated 1.3 megapixel camera**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**

Positioning	<i>Netbook; consumer markets</i>		Preloaded operating system²⁰ - Genuine Windows® XP Home Edition Preloaded applications¹⁴ • Lenovo® OneKey Recovery • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Lenovo Energy Management Software
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache		
Memory	512MB or 1GB std / 1.5GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Italics:</i> standard memory 512MB soldered to systemboard, 512MB in socket; no sockets available; <i>Non-italics:</i> standard memory 512MB soldered to systemboard; one socket available		
Diskette drive	None		
External combo	None		
SATA disk	80GB (5400 rpm) or 160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, 2.5" wide, not removable		
Widescreen display	10.2" (259.1mm) WSVGA (1024x600) TFT color , anti-glare, LED backlight , 200 nits, 16:10 aspect ratio, 300:1 contrast ratio,		
Camera	Camera on top of screen, 1.3-megapixel, fixed focus		
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) , in 945GSE		
Keyboard	6-row, 80-key, 85% size, multimedia Fn keys, recovery key, wireless on/off button		
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch		
Dimensions ³	<i>(WxDxH):</i> 9.8" x 7.2" x 0.9-1.1"; 250mm x 183mm x 22-27.5mm		
Weight ²	<i>3-cell:</i> starting at 2.43 lb (1.1 kg)		
Case color	<i>Top:</i> multiple color choices black, white, red, blue, or pink (piano finish for red, blue, pink) <i>Bottom:</i> color matches top color		
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic		
Battery - type	Lithium Ion, 3-cell 2600 mAh		
Battery - life ¹⁰	<i>3-cell:</i> up to 3.0 hr		
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)		
ExpressCard/34	One slot (ExpressCard/34)		
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)		
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)		
TV tuner	None		
Mini PCI Express	One Mini PCI Express slot		
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312		
Bluetooth™	None		
Modem	None		
Ethernet	10/100 ethernet, Broadcom® BCM5906, PCI 2.3		
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)		
Security	Power-on password, supervisor password, security keyhole		
Fingerprint reader	None		
			Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

US models announced September 9, November 12, or December 10, 2008 or March 17, 2009

US models withdrawn effective March 2010

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Lenovo IdeaPad S10-2
Gray



Lenovo IdeaPad S10-2
Gray



Lenovo IdeaPad S10-2
Black, White, Gray, and Pink



Lenovo IdeaPad S10-2
White



Lenovo IdeaPad S10-2
Pink



Lenovo IdeaPad S10-2
Pink

IdeaPad™ S10-2 (2957) - Windows 7 - withdrawn

Type-model	Processor	GHz	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Top color	Bluetooth	Battery	Win7 preload	Avail date
2957-7CU	Atom N270	1.60	1GB	10.1" WSVGA	0.3M	GMA	160GB ⁸	11b/g ¹¹	White (pattern)		6-cell	Starter	Dec 09
2957-7DU	Atom N270	1.60	1GB	10.1" WSVGA	0.3M	GMA	160GB	11b/g	Black (pattern)		6-cell	Starter	Dec 09
2957-7LU	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	Pink (pattern)		6-cell	Starter	Dec 09
2957-7MU	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	White (nature)	Bluetooth	6-cell	Starter	Dec 09
2957-7NU	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	White (flower sea)	Bluetooth	6-cell	Starter	Dec 09

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- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.8 inch thin), ultra-light (weighs just over 2.20 pounds)**
- **Multiple color choices: black, white, or pink, with pattern**
- **Touch pad supports multi-touch function for enhanced user experience**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**

Positioning	<i>Netbook; consumer markets</i>									Preloaded operating system ²⁰		
Processor	Intel® Atom™ Processor N270 or N280 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache									- Genuine Windows® 7 Starter Edition		
Memory	1GB std / 2GB max* / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; * Windows XP Home models can only be shipped with maximum of 1GB in memory <i>Non-italics</i> : standard memory 1GB in socket; no socket available									Preloaded applications ¹⁴ (only some listed)		
Diskette drive	None									<ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Toolbar • Lenovo Energy Management Software • VeriFace™ • Lenovo Quick Start 		
External combo SATA disk	160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, 2.5" platter, not removable											
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio											
Camera	Camera on top of screen, 0.3-megapixel or 1.3-megapixel, fixed focus											
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), in 945GSE											
Keyboard	89% full size keyboard, Fn keys, recovery key, Quick Start button											
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch											
Dimensions ³	3-cell: (WxDxH): 10.2" x 7.2" x 0.7-1.0"; 258mm x 183mm x 18-25.4mm 6-cell: (WxDxH): 10.2" x 7.6" x 0.7-1.8"; 258mm x 194mm x 18-44.7mm											
Weight ²	3-cell: starting at 2.20 lb (1.0 kg) 6-cell: starting at 2.65 lb (1.2 kg)											
Case color	Top: black, white, or pink, with pattern Palm rest: color matches top color Bottom: black bottom for black and gray top, white bottom for white and pink top											
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic									<p align="center">Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty*: * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ↪ Mail In repair service ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 		
Battery - type	Lithium Ion, 6-cell											
Battery - life ¹⁰	3-cell: up to 3.0 hr; 6-cell: up to 6.0 hr											
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)											
ExpressCard/34	None											
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)											
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)											
TV tuner	None											
Mini PCI Express	Two Mini PCI Express slot											
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312											
Bluetooth™	Some: Bluetooth 2.1 wireless, LED indicator											
Modem	None											
Ethernet	10/100 ethernet, RealTek® RTL8103EL, PCI 2.3											
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certificated											
Security	Power-on password, supervisor password, security keyhole											
Fingerprint reader	None											

See footnotes for important warranty information
US models announced December 17, 2009
US models withdrawn effective December 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Top color	Bluetooth	Battery	Preload	Avail date
2957-L2U	Atom N270	1.60	1GB	10.1" WSVGA	0.3M	GMA	160GB ⁸	11b/g ¹¹	Black (pattern)		6-cell	XP Home	Sep 09
2957-7XU	Atom N270	1.60	1GB	10.1" WSVGA	0.3M	GMA	160GB	11b/g	Black (pattern)		6-cell	XP Home	Dec 09
2957-22U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	Black (pattern)		6-cell	XP Home	May 09
2957-23U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	Gray (pattern)		6-cell	XP Home	May 09
2957-29U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	Gray (pattern)		6-cell	XP Home	Sep 09
2957-L3U	Atom N270	1.60	1GB	10.1" WSVGA	0.3M	GMA	160GB	11b/g	White (pattern)		6-cell	XP Home	Sep 09
2957-7VU	Atom N270	1.60	1GB	10.1" WSVGA	0.3M	GMA	160GB	11b/g	White (pattern)		6-cell	XP Home	Dec 09
2957-24U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	White (pattern)		6-cell	XP Home	May 09
2957-25U	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	Pink (pattern)		6-cell	XP Home	May 09
2957-2AU	Atom N270	1.60	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	Pink (pattern)		6-cell	XP Home	Sep 09
2957-6AU	Atom N280	1.66	1GB	10.1" WSVGA	1.3M	GMA	160GB	11b/g	White (nature)	Bluetooth	6-cell	XP Home	Aug 09

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.8 inch thin), ultra-light (weighs just over 2.20 pounds)**
- **Multiple color choices: black, white, gray, or pink, with pattern**
- **Touch pad supports multi-touch function for enhanced user experience**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰	
Processor	Intel® Atom™ Processor N270 or N280 with single-core, Hyper-Threading technology, and 512KB L2 cache; N270: 533MHz system bus; N280: 667MHz system bus										- Genuine Windows® XP Home Edition	
Memory	1GB std / 2GB max* / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; * Windows XP Home models can only be shipped with maximum of 1GB in memory <i>Non-italics</i> : standard memory 1GB in socket; no socket available										Preloaded applications¹⁴ (only some listed)	
Diskette drive	None										<ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader® • Windows Live™ Toolbar • Lenovo Energy Management Software • VeriFace™ • Lenovo Quick Start • Microsoft® Office 2007 Trial (60-day) 	
External combo	None											
SATA disk	160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, 2.5" platter, not removable											
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio											
Camera	Camera on top of screen, 0.3-megapixel or 1.3-megapixel, fixed focus											
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), in 945GSE											
Keyboard	89% full size keyboard, Fn keys, recovery key, Quick Start button											
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch											
Dimensions ³	3-cell: (WxDxH): 10.2" x 7.2" x 0.7-1.0"; 258mm x 183mm x 18-25.4mm 6-cell: (WxDxH): 10.2" x 7.6" x 0.7-1.8"; 258mm x 194mm x 18-44.7mm											
Weight ²	3-cell: starting at 2.20 lb (1.0 kg) 6-cell: starting at 2.65 lb (1.2 kg)											
Case color	Top: black, white, gray, or pink, with pattern Palm rest: color matches top color Bottom: black bottom for black and gray top, white bottom for white and pink top										40-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										Limited Warranty¹²	
Battery - type	Lithium Ion, 6-cell											
Battery - life ¹⁰	3-cell: up to 3.0 hr; 6-cell: up to 6.0 hr											
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)											
ExpressCard/34	None											
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)											
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)											
TV tuner	None											
Mini PCI Express	Two Mini PCI Express slot											
Bluetooth™	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312											
Modem	Some: Bluetooth 2.1 wireless, LED indicator											
Ethernet	None											
Audio support	10/100 ethernet, RealTek® RTL8103EL, PCI 2.3 High Definition (HD) Audio, RealTek ALC272 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certificated											
Security	Power-on password, supervisor password, security keyhole										<ul style="list-style-type: none"> ↪ 1-year warranty*: * 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ↪ Mail In repair service ↪ Service upgrade options (in eligible locations):⁹ • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 	
Fingerprint reader	None											

See footnotes for important warranty information
US models announced May 27, September 10, or December 17, 2009;
US models withdrawn effective October, 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0647-32U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB ^B	11b/g/n ²⁸		Red		6-cell	Starter	Jan 10
0647-33U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB	11b/g/n		Black		6-cell	Starter	Jan 10
0647-23U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB	11b/g/n	Gobi2000	Black	Bluetooth	6-cell	Starter	Jan 10
0647-37U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	250GB	11b/g/n		Red		6-cell	Starter	Oct 10
0647-39U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	250GB	11b/g/n		Red	Bluetooth	6-cell	Starter	Dec 10

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- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.6 inch thin)**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰			
Processor	Intel® Atom™ Processor N450 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										- Genuine Windows® 7 Starter Edition			
Memory	1GB std / 2GB max / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Non-italics</i> : standard memory 1GB in socket; no socket available										Preloaded applications¹⁴ (only some listed)			
Optical drive	None										• Lenovo® OneKey Recovery			
SATA disk	160GB (5400 rpm) or 250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™										• McAfee® VirusScan® Plus (60 days of virus definitions)			
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 180 nits, 16:9 aspect ratio, 400:1 contrast ratio										• Adobe® Reader®			
Camera	Camera on top of screen, 1.3-megapixel, fixed focus										• Windows Live™ Essential			
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor, external monitor support via analog VGA DB-15 connector										• Lenovo ReadyComm			
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button										• Lenovo Energy Management Software			
Touch pad	One-piece touch pad with two button function										• Lenovo DirectShare			
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.2"; 268mm x 168mm x 16-30.95mm										• VeriFace			
Weight ²	6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.5"; 268mm x 168mm x 16-37.45mm										• Quick Start			
Case color	3-cell: starting at 2.43 lb (1.1 kg)										• Lenovo MapLife			
	6-cell: starting at 2.76 lb (1.25 kg)										• Microsoft Office 2010 preloaded; purchase product key to activate			
Case material	Top: black or red, with pattern										30-watt AC adapter			
Battery - type	bottom: black										Wireless on/off switch			
Battery - life ¹⁰	Palm rest: Gray										EPEAT™ Gold rating			
Chipset	Intel NM10 Express Chipset										ENERGY STAR® 5.0-compliant			
ExpressCard/34	None										RoHS-compliant			
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)										Limited Warranty¹²			
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										↪ 1-year warranty*:			
TV tuner	None										* 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter			
PCIe Mini Card	Two PCI Express Mini Card slots										↪ Mail in repair service			
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip										↪ Service upgrade options (in eligible locations): ⁹			
Gobi™ 2000	Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider										• 2-year Mail-In warranty 78Y1544			
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR, LED indicator										• 3-year Mail-In warranty 78Y1547			
Modem	None										• 1-year accidental damage protection via Mail-In 78Y1543			
Ethernet	10/100 ethernet, RealTek® RTL8103EL										• 2-year accidental damage protection via Mail-In 78Y1545			
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certificated										• 3-year accidental damage protection via Mail-In 78Y1548			
Security	Power-on password, supervisor password, hard disk password										↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
Fingerprint reader	None													

See footnotes for important warranty information
 US models announced January 18, October 20, or December, 2010
 US models withdrawn effective June 2012

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 (MRA3-1) June 2012

IdeaPad™ S10-3 (0647) - Windows 7 - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0647-29U	Atom N450	1.66	1GB	10.1" WSVGA	0.3M	GMA 3150	250GB ⁸	11b/g/n ²⁸	None	Black	None	6-cell	Starter	Jan 10

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.6 inch thin)**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Starter Edition Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Quick Start • Lenovo MapLife • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Atom™ Processor N450 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										
Memory	1GB std / 2GB max / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Non-italics</i> : standard memory 1GB in socket; no socket available										
Optical drive	None										
SATA disk	250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™										
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 180 nits, 16:9 aspect ratio, 400:1 contrast ratio										
Camera	Camera on top of screen, 1.3-megapixel, fixed focus										
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor, external monitor support via analog VGA DB-15 connector										
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button										
Touch pad	One-piece touch pad with two button function										
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.2"; 268mm x 168mm x 16-30.95mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.5"; 268mm x 168mm x 16-37.45mm										
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)										
Case color	Top: black, with pattern bottom: black Palm rest: Gray										
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										
Battery - type	Lithium Ion, 6-cell										
Battery - life ¹⁰	3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr										
Chipset	Intel NM10 Express Chipset										
ExpressCard/34	None										
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)										
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										
TV tuner	None										
PCIe Mini Card	Two PCI Express Mini Card slots										
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip										
WWAN	None										
Bluetooth™	None										
Modem	None										
Ethernet	10/100 ethernet, RealTek® RTL8103EL										
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certified										
Security	Power-on password, supervisor password, hard disk password										
Fingerprint reader	None										
											Limited Warranty¹² ⇨ 1-year warranty*: * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information
 US model announced January 18, 2010
 US model withdrawn effective June 2012

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Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0647-2AU	Atom N455	1.66	1GB	10.1" WSVGA	0.3M	GMA 3150	160GB ^B	11b/g/n ^{2B}		Black		6-cell	Starter	Jul 10
0647-2BU	Atom N455	1.66	1GB	10.1" WSVGA	0.3M	GMA 3150	250GB	11b/g/n		Black	Bluetooth	6-cell	Starter	Jul 10
0647-2EU	Atom N455	1.66	1GB	10.1" WSVGA	0.3M	GMA 3150	160GB	11b/g/n	Gobi2000	Black		6-cell	Starter	Jul 10

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- **Super-slim (starts at 0.6 inch thin)**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**
- **These system are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰		
Processor	Intel® Atom™ Processor N455 with single-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										- Genuine Windows® 7 Starter Edition		
Memory	1GB std / 2GB max / PC3-10600 1333MHz DDR3*, non-parity, single-channel, one 204-pin SO-DIMM socket; <i>Non-italics:</i> standard memory 1GB in socket; no socket available * System automatically clocks down for processors with 667MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed)		
Optical drive	None										• Lenovo® OneKey Recovery		
SATA disk	160GB (5400 rpm) or 250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™										• McAfee® VirusScan® Plus (60 days of virus definitions)		
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 180 nits, 16:9 aspect ratio, 400:1 contrast ratio										• Adobe® Reader®		
Camera	Camera on top of screen, 0.3-megapixel, fixed focus										• Windows Live™ Essential		
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor, external monitor support via analog VGA DB-15 connector										• Lenovo ReadyComm		
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button										• Lenovo Energy Management Software		
Touch pad	One-piece touch pad with two button function										• Lenovo DirectShare		
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.2"; 268mm x 168mm x 16-30.95mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.5"; 268mm x 168mm x 16-37.45mm										• VeriFace		
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)										• Quick Start		
Case color	Top: black; bottom: black Palm rest: Gray										• Lenovo MapLife		
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										• Microsoft Office 2010 preloaded; purchase product key to activate		
Battery - type	Lithium Ion, 6-cell										30-watt AC adapter		
Battery - life ¹⁰	3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr										Wireless on/off switch		
Chipset	Intel NM10 Express Chipset										EPEAT™ Gold rating		
ExpressCard/34	None										ENERGY STAR® 5.0-compliant		
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)										RoHS-compliant		
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										Limited Warranty¹²		
TV tuner	None										↪ 1-year warranty*:		
PCIe Mini Card	Two PCI Express Mini Card slots										* 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter		
11b/g/n ^{2B}	11b/g/n wireless ² , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip										↪ Mail In repair service		
Gobi™ 2000	Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider										↪ Service upgrade options (in eligible locations): ⁹		
Bluetooth™	Some: Bluetooth 2.1 wireless, internal USB 2.0 interface										• 2-year Mail-In warranty 78Y1544		
Modem	None										• 3-year Mail-In warranty 78Y1547		
Ethernet	10/100 ethernet, RealTek® RTL8103EL										• 1-year accidental damage protection via Mail-In 78Y1543		
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certified										• 2-year accidental damage protection via Mail-In 78Y1545		
Security	Power-on password, supervisor password, hard disk password										• 3-year accidental damage protection via Mail-In 78Y1548		
Fingerprint reader	None										↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686		

See footnotes for important warranty information
US models announced July 7, 2010
US models withdrawn effective June 2012

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Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0647-35U	Atom N455	1.66	1GBx1	10.1" WSVGA	0.3M	GMA 3150	250GB ⁸	11b/g/n ²⁸	None	Black	None	6-cell	Starter	Aug 10
0647-38U	Atom N455	1.66	1GBx1	10.1" WSVGA	0.3M	GMA 3150	250GB	11b/g/n	None	Black	Bluetooth	6-cell	Starter	Dec 10

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- *These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)*

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰		
Processor	Intel® Atom™ Processor N455 with single-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										- Genuine Windows® 7 Starter Edition		
Memory	1GB std / 2GB max / PC3-10600 1333MHz DDR3*, non-parity, single-channel, one 204-pin SO-DIMM socket; <i>Non-italics:</i> standard memory 1GB in socket; no socket available * System automatically clocks down for processors with 667MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed)		
Optical drive	None										• Lenovo® OneKey Recovery		
SATA disk	250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™										• McAfee® VirusScan® Plus (60 days of virus definitions)		
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 180 nits, 16:9 aspect ratio, 400:1 contrast ratio										• Adobe® Reader®		
Camera	Camera on top of screen, 0.3-megapixel, fixed focus										• Windows Live™ Essential		
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor, external monitor support via analog VGA DB-15 connector										• Lenovo ReadyComm		
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button										• Lenovo Energy Management Software		
Touch pad	One-piece touch pad with two button function										• Lenovo DirectShare		
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.2"; 268mm x 168mm x 16-30.95mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.5"; 268mm x 168mm x 16-37.45mm										• VeriFace		
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)										• Quick Start		
Case color	Top: black; bottom: black Palm rest: Gray										• Lenovo MapLife		
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										• Microsoft Office 2010 preloaded; purchase product key to activate		
Battery - type	Lithium Ion, 6-cell										30-watt AC adapter		
Battery - life ¹⁰	3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr										Wireless on/off switch		
Chipset	Intel NM10 Express Chipset										EPEAT™ Gold rating		
ExpressCard/34	None										ENERGY STAR™ 5.0-compliant		
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)										RoHS-compliant		
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										Limited Warranty¹²		
TV tuner	None										↪ 1-year warranty*:		
PCIe Mini Card	Two PCI Express Mini Card slots										* 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter		
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip										↪ Mail in repair service		
WWAN	None										↪ Service upgrade options (in eligible locations): ⁹		
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR, LED indicator										• 2-year Mail-In warranty 78Y1544		
Modem	None										• 3-year Mail-In warranty 78Y1547		
Ethernet	10/100 ethernet, RealTek® RTL8103EL										• 1-year accidental damage protection via Mail-In 78Y1543		
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certified										• 2-year accidental damage protection via Mail-In 78Y1545		
Security	Power-on password, supervisor password, hard disk password										• 3-year accidental damage protection via Mail-In 78Y1548		
Fingerprint reader	None										↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686		

See footnotes for important warranty information
 US models announced August 4 or December 1, 2010
 US models withdrawn effective June 2012

ideapad



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	PCIe Mini Card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0703-22U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB ⁸	11b/g/n ²⁸	None	White	Bluetooth	6-cell	Starter	Apr 10

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.6 inch thin)**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Starter Edition Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Quick Start • Lenovo MapLife • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Atom™ Processor N450 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										
Memory	1GB std / 2GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Non-italics</i> : standard memory 1GB in socket; no socket available										
Optical drive	None										
SATA disk	160GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™										
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio										
Camera	Camera on top of screen, 1.3-megapixel, fixed focus										
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor, external monitor support via analog VGA DB-15 connector										
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button										
Touch pad	One-piece touch pad with two button function										
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.1"; 270mm x 168mm x 16-28.5mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.4"; 270mm x 168mm x 16-34.3mm										
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)										
Case color	Top: white bottom: white Palm rest: white										
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										
Battery - type	Lithium Ion, 6-cell										
Battery - life ¹⁰	3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr										
Chipset	Intel NM10 Express Chipset										
ExpressCard/34	None										
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)										
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										
TV tuner	None										
PCIe Mini Card	Two PCI Express Mini Card slots										
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip										
WWAN	None										
Bluetooth™	Bluetooth 2.1 wireless + EDR, LED indicator										
Modem	None										
Ethernet	10/100 ethernet, Broadcom BCM57790										
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 W x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certificated										
Security	Administrator password, hard disk password										
Fingerprint reader	None										
											Limited Warranty¹² ⇨ 1-year warranty*: * 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information
 US model announced April 28, 2010
 US models withdrawn effective June 2012

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 (MRA3S-2) June 2012

IdeaPad™ S10-3s (0703) -Windows 7 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	PCIe Mini Card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0703-32U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB ⁸	11b/g/n ²⁸	None	White	Bluetooth	3-cell	Starter	Apr 10

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.6 inch thin)**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰			
Processor	Intel® Atom™ Processor N450 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										- Genuine Windows® 7 Starter Edition			
Memory	1GB std / 2GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Non-italics</i> : standard memory 1GB in socket; no socket available										Preloaded applications¹⁴ (only some listed)			
Optical drive	None										• Lenovo® OneKey Recovery			
SATA disk	160GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™										• McAfee® VirusScan® Plus (60 days of virus definitions)			
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio										• Adobe® Reader®			
Camera	Camera on top of screen, 1.3-megapixel, fixed focus										• Windows Live™ Essential			
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor, external monitor support via analog VGA DB-15 connector										• Lenovo ReadyComm			
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button										• Lenovo Energy Management Software			
Touch pad	One-piece touch pad with two button function										• Lenovo DirectShare			
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.1"; 270mm x 168mm x 16-28.5mm										• VeriFace			
Weight ²	6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.4"; 270mm x 168mm x 16-34.3mm										• Quick Start			
Case color	3-cell: starting at 2.43 lb (1.1 kg)										• Lenovo MapLife			
	6-cell: starting at 2.76 lb (1.25 kg)										• Microsoft Office 2010 preloaded; purchase product key to activate			
Case material	Top: white										30-watt AC adapter			
Battery - type	bottom: white										Wireless on/off switch			
Battery - life ¹⁰	Palm rest: white										EPEAT™ Silver rating			
Chipset	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										ENERGY STAR® 5.0-compliant			
ExpressCard/34	Lithium Ion, 3-cell										RoHS-compliant			
Multicard reader	3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr										Limited Warranty¹²			
Ports	Intel NM10 Express Chipset										↪ 1-year warranty*:			
TV tuner	None										* 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter			
PCIe Mini Card	None										↪ Mail In repair service			
11b/g/n ²⁸	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)										↪ Service upgrade options (in eligible locations): ⁹			
WWAN	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										• 2-year Mail-In warranty 78Y1544			
Bluetooth™	None										• 3-year Mail-In warranty 78Y1547			
Modem	None										• 1-year accidental damage protection via Mail-In 78Y1543			
Ethernet	None										• 2-year accidental damage protection via Mail-In 78Y1545			
Audio support	10/100 ethernet, Broadcom BCM57790										• 3-year accidental damage protection via Mail-In 78Y1548			
Security	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 W x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certificated										↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
Fingerprint reader	Administrator password, hard disk password													
	None													

See footnotes for important warranty information
 US model announced April 28, 2010
 US model withdrawn effective June 2012

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 (MRA3S-1) June 2012

ideapad



Lenovo IdeaPad S10-3t



Lenovo IdeaPad S10-3t
(4-cell model with Cosmic Night pattern)



Lenovo IdeaPad S10-3t
(4-cell model)



Lenovo IdeaPad S10-3t
(4-cell model)



Lenovo IdeaPad S10-3t
(4-cell model with Cosmic Wonder pattern)



Lenovo IdeaPad S10-3t
(4-cell model with Cosmic Wonder pattern)

Type-model	Pro-cessor	GHz	Memory	Widescreen display	Multi-touch screen	Cam-era	Integrated graphics	SATA disk	PCIe Mini card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date
0651-4FU	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	160GB ⁸	11b/g/n ²⁸	Cosmic Night		4-cell	Starter	Jan 10
0651-4EU	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	160GB	11b/g/n	Cosmic Wonder		4-cell	Starter	Jan 10
0651-3EU	N470	1.83	2GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB	11b/g/n	Cosmic Night	Blue	4-cell	Prem 32	Jan 10
0651-86U	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB	11b/g/n	Cosmic Night		4-cell	Starter	Aug 10
0651-95U	N470	1.83	2GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	320GB	11b/g/n	Cosmic Wonder	Blue	4-cell	Prem 32	Nov 10
0651-99U	N475	1.83	2GB DDR3	10.1" WSVGA	Multi	1.3M	GMA 3150	320GB	11b/g/n	Cosmic Night	Blue	8-cell	Prem 32	Nov 10
0651-9BU	N455	1.66	2GB DDR3	10.1" WSVGA	Multi	1.3M	GMA 3150	320GB	11b/g/n	Cosmic Night	Blue	4-cell	Prem 32	Feb 11
0651-6DU	N450	1.66	2GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	320GB	11b/g/n	Cosmic Night		4-cell	Pro 32	Mar 11

- **Tablet netbook features a multi-touch panel and a durable steel hinge supporting ±180 degree rotation**
- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.6 inch thin)**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your netbook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	Tablet netbook; consumer markets										Preloaded operating system²⁰			
Processor	Intel® Atom™ Processor N450 or N470 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz), integrated graphic controller, Hyper-Threading technology, and 512KB L2 cache or Intel Atom Processor N455 or N475 with single-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 667MHz), integrated graphic controller, Hyper-Threading Technology, and 512KB L2 cache										- Some: Genuine Windows® 7 Starter Edition - Some: Genuine Windows 7 Home Premium 32 - Some: Genuine Windows 7 Professional 32			
Memory	1GB or 2GB std / 2GB max Some: PC2-5300 667MHz DDR2, non-parity, dual-channel capable, one 200-pin SO-DIMM socket; Some: PC3-10600 1333MHz DDR3*, non-parity, dual-channel capable, one 204-pin SO-DIMM socket; * System automatically clocks down for processors with 667MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Quick Start • Lenovo VeriTouch • Lenovo Natural Touch • Microsoft® Research AutoCollage Touch (Home Premium only)			
Optical drive	None										30-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant			
SATA disk	160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™													
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 180 nits, 16:9 aspect ratio, 400:1 contrast ratio, rotatable dual swivel hinge for tablet mode, support display auto rotation													
Touch screen type	MultiTouch (touchscreen supports two-finger touch)													
Camera	Camera on top of screen, 1.3-megapixel, fixed focus													
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor External monitor support via analog VGA DB-15 connector													
Keyboard	Full size keyboard, Fn keys													
Touch pad	One-piece touch pad with two button function													
Dimensions ³	4-cell: (WxDxH): 11.0" x 6.9" x 0.6-1.1"; 280mm x 174mm x 15-27.6mm 8-cell: (WxDxH): 11.1" x 8.0" x 0.6-1.4"; 282mm x 202mm x 15-35.0mm													
Weight ²	4-cell: starting at 2.76 lb (1.25 kg) 8-cell: starting at 3.31 lb (1.50 kg)													
Case color	Top: black color with different pattern bottom: black Palm rest: White										Limited Warranty¹² ↪ 1-year warranty*: * 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ↪ Mail In repair service ↪ Service upgrade options (in eligible locations): ⁹ • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 ↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion, 4-cell or Hybrid 8-cell													
Battery - life ¹⁰	4-cell: up to 4 hr; 8-cell: up to 10 hr													
Chipset	Intel NM10 Express Chipset													
ExpressCard/34	None													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip													
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR, LED indicator													
Modem	None													
Ethernet	Gigabit ethernet, Broadcom 57780													
Audio support	High Definition (HD) Audio, Conexant® CX20582 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certified													
Security	Power-on password, supervisor password, hard disk password, security keyhole													
Fingerprint reader	None													

See footnotes for important warranty information

US models announced January 18, August 4, or November 3, 2010 or February 16 or August 10, 2011

US models withdrawn effective June 2012

Type-model	Processor	GHz	Memory	Widescreen display	Multi-touch screen	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date
0651-37U	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB ⁸	11b/g/n ²⁸	Cosmic Night	None	8-cell	Starter	Jan 10
0651-85U	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB	11b/g/n	Cosmic Night	None	4-cell	Prem 32	Aug 10
0651-7HU	N455	1.66	1GB DDR3	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB	11b/g/n	Cosmic Night	None	4-cell	Prem 32	Aug 10

- **Tablet netbook features a multi-touch panel and a durable steel hinge supporting ±180 degree rotation**
- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.6 inch thin)**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Tablet netbook; consumer markets</i></p> <p>Intel® Atom™ Processor N450 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz), integrated graphic controller, Hyper-Threading technology, and 512KB L2 cache or Intel Atom Processor N455 with single-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 667MHz), integrated graphic controller, Hyper-Threading Technology, and 512KB L2 cache</p>										<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Some: Genuine Windows® 7 Starter Edition - Some: Genuine Windows® 7 Home Premium 32 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Quick Start • Lenovo VeriTouch • Lenovo Natural Touch • BumpTop™ • Microsoft® Research AutoCollage Touch (Home Premium only) • Microsoft Office 2010 preloaded; purchase product key to activate 			
Memory	<p>1GB std / 2GB max /</p> <p>Some: PC2-5300 667MHz DDR2, non-parity, dual-channel capable, one 200-pin SO-DIMM socket;</p> <p>Some: PC3-10600 1333MHz DDR3*, non-parity, dual-channel capable, one 204-pin SO-DIMM socket;</p> <p>* System automatically clocks down for processors with 667MHz DDR3 memory controller</p>													
Optical drive	None													
SATA disk	<p>250GB (5400 rpm) /</p> <p>SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™</p>													
Widescreen display	<p>10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight, 180 nits, 16:9 aspect ratio, 400:1 contrast ratio, rotatable dual swivel hinge for tablet mode, touch display auto rotation</p>													
Touch screen type	MultiTouch (touchscreen supports two-finger touch)													
Camera	Camera on top of screen, 1.3-megapixel, fixed focus													
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor													
Keyboard	Full size keyboard, Fn keys													
Touch pad	One-piece touch pad with two button function													
Dimensions ³	<p><i>4-cell:</i> (WxDxH): 11.0" x 6.9" x 0.6-1.1"; 280mm x 174mm x 15-27.6mm</p> <p><i>8-cell:</i> (WxDxH): 11.1" x 8.0" x 0.6-1.4"; 282mm x 202mm x 15-35.0mm</p>										<p>30-watt AC adapter</p> <p>Wireless on/off switch</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p>			
Weight ²	<p><i>4-cell:</i> starting at 2.76 lb (1.25 kg)</p> <p><i>8-cell:</i> starting at 3.31 lb (1.50 kg)</p>													
Case color	<p><i>Top:</i> black color with different pattern</p> <p><i>bottom:</i> black</p> <p><i>Palm rest:</i> White</p>										<p>Limited Warranty¹²</p> <p>↪ 1-year warranty*:</p> <p>* 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter</p> <p>↪ Mail In repair service</p> <p>↪ Service upgrade options (in eligible locations):⁹</p> <ul style="list-style-type: none"> • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 <p>↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686</p>			
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion, 4-cell or Hybrid 8-cell													
Battery - life ¹⁰	<i>4-cell:</i> up to 4 hr; <i>8-cell:</i> up to 10 hr													
Chipset	Intel NM10 Express Chipset													
ExpressCard/34	None													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Two PCI Express Mini Card slots													
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip													
Bluetooth™	None													
Modem	None													
Ethernet	Gigabit ethernet, Broadcom 57780													
Audio support	High Definition (HD) Audio, Conexant® CX20582 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certified													
Security	Power-on password, supervisor password, hard disk password, security keyhole													
Fingerprint reader	None													

See footnotes for important warranty information
 US models announced January 18 or August 4, 2010
 US models withdrawn effective June 2012



Lenovo IdeaPad S12 (VIA or Intel platform)
Black with 3-cell battery



Lenovo IdeaPad S12
Black with 3-cell battery



Lenovo IdeaPad S12 (VIA or Intel platform)
Black with 3-cell battery



Lenovo IdeaPad S12 (VIA or Intel platform)
White and Black with 3-cell battery



Lenovo IdeaPad S12 (VIA or Intel platform)
White with 6-cell battery



Lenovo IdeaPad S12 (NVIDIA ION platform*)
White with 6-cell battery
* ION models have HDMI port instead of ExpressCard/34

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Preload	Avail date
2959-55U	Atom N270	1.60	1GB	12.1" WXGA	1.3M	GMA	160GB ⁸	11b/g ¹¹	White	None	6-cell	XP Home	Jun 09
2959-33U	Atom N270	1.60	1GB	12.1" WXGA	1.3M	GMA	160GB	11b/g	White	None	6-cell	XP Home	Sep 09
2959-54U	Atom N270	1.60	1GB	12.1" WXGA	1.3M	GMA	160GB	11b/g	Black	None	6-cell	XP Home	Jun 09
2959-32U	Atom N270	1.60	1GB	12.1" WXGA	1.3M	GMA	160GB	11b/g	Black	None	6-cell	XP Home	Sep 09

- **A 12" netbook provides full size keyboard with standard touchpad for good user experience**
- **12.1" widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face.**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning	<i>Netbook; consumer markets</i>										Preloaded operating system²⁰
Processor	Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache										- Genuine Windows® XP Home Edition
Memory	1GB std / 2GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, single-channel, one 200-pin SO-DIMM socket <i>Non-italics:</i> standard memory 1GB soldered to systemboard; one socket available										Preloaded applications¹⁴
Diskette drive	None										• Lenovo® OneKey Recovery
External combo	None										• Norton Internet Security™ (90 days of virus definitions)
SATA disk	160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, 2.5" platter, not removable										• Adobe® Reader
Widescreen display	12.1" (307mm) WXGA (1280x800) TFT color, VibrantView (glossy), LED backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio										• Windows Live™ Toolbar
Camera	Camera on top of screen, 1.3-megapixel, fixed focus										• Lenovo Energy Management Software
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), in 945GSE										• VeriFace™
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button										• Lenovo Quick Start
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)										
Dimensions ³	3-cell: (WxDxH): 11.5" x 8.5" x 0.9-1.1"; 292mm x 216mm x 22-28.9mm 6-cell: (WxDxH): 11.5" x 9.1" x 0.9-1.4"; 292mm x 230mm x 22-36mm										
Weight ²	3-cell: starting at 3.09 lb (1.4 kg) 6-cell: starting at 3.42 lb (1.55 kg)										40-watt AC adapter
Case color	Top: black or white, with fashion pattern Palm rest: color matches top color Bottom: color matches top color										wireless on/off switch
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										EPEAT™ Silver rating
Battery - type	Lithium Ion, 3-cell or 6-cell										ENERGY STAR® 5.0-compliant
Battery - life ¹⁰	3-cell: up to 3.0 hr; 6-cell: up to 6.0 hr										RoHS-compliant
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)										Limited Warranty¹²
ExpressCard/34	One slot (ExpressCard/34)										↪ 1-year warranty*:
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)										* 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)										↪ Mail In repair service
TV tuner	None										↪ Service upgrade options (in eligible locations): ⁹
Mini PCI Express	One Mini PCI Express slot										• 2-year Mail-In warranty 78Y1544
11b/g ¹¹	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312										• 3-year Mail-In warranty 78Y1547
Bluetooth™	None										• 1-year accidental damage protection via Mail-In 78Y1543
Modem	None										• 2-year accidental damage protection via Mail-In 78Y1545
Ethernet	10/100 ethernet, Broadcom® BCM5784M										• 3-year accidental damage protection via Mail-In 78Y1548
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm) with Dolby® Headphone™ certification										↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Security	Power-on password, supervisor password, harddisk password, security keyhole										
Fingerprint reader	None										

See footnotes for important warranty information
 US models announced on June 24, 2009 or September 10, 2009;
 US models withdrawn effective October, 2010

IdeaPad™ S12 (2959) - VIA - withdrawn

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Preload	Avail date
2959-56U	U2250	1.30+	1GB	12.1" WXGA	1.3M	VIA Chrome9 HC3	160GB ⁸	11b/g ¹¹	Black	None	6-cell	XP Home	Aug 09

- **A 12" netbook provides full size keyboard with standard touchpad for good user experience**
- **12.1" widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face.**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning Processor	<i>Netbook; consumer markets</i> VIA Nano™ Processor U2250 with single-core, 800MHz system bus, and 1MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® XP Home Edition Preloaded applications¹⁴ • Lenovo® OneKey Recovery • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Lenovo Energy Management Software • VeriFace™ • Lenovo Quick Start
Memory	1GB std / 2GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket <i>Non-italics</i> : standard memory 1GB soldered to systemboard; one socket available	
Diskette drive	None	
External combo	None	
SATA disk	160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, 2.5" platter, not removable	
Widescreen display	12.1" (307mm) WXGA (1280x800) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:10 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	VIA Chrome9™ HC3 integrated graphics , in VX800	
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	<i>3-cell</i> : (WxDxH): 11.5" x 8.5" x 0.9-1.1"; 292mm x 216mm x 22-28.9mm <i>6-cell</i> : (WxDxH): 11.5" x 9.1" x 0.9-1.4"; 292mm x 230mm x 22-36mm	Available at these retailers • lenovo.com 40-watt AC adapter wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty¹² ⇨ 1-year warranty* : * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail in repair service ⇨ Service upgrade options (in eligible locations):⁹ • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Weight ²	<i>3-cell</i> : starting at 3.09 lb (1.4 kg) <i>6-cell</i> : starting at 3.42 lb (1.55 kg)	
Case color	<i>Top</i> : black or white, with fashion pattern <i>Palm rest</i> : color matches top color <i>Bottom</i> : color matches top color	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion, 3-cell or 6-cell	
Battery - life ¹⁰	<i>3-cell</i> : up to 2.5 hr; <i>6-cell</i> : up to 4.6 hr	
Chipset	VIA VX800 Unified Chipset (integrates all the cutting-edge features of a modern chipset's North and South bridges into a single chip package)	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)	
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)	
TV tuner	None	
Mini PCI Express	One Mini PCI Express slot	
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet, Broadcom® BCM5906M	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm) with Dolby® Headphone™ certification	
Security	Power-on password, supervisor password, harddisk password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US model announced on August 5, 2009
 US models withdrawn effective October, 2010

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 (MC1-2) October 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Color	Bluetooth	Battery	Win 7 preload	Avail date
2959-5FU	Atom N270	1.60	2GB	12.1" WXGA	1.3M	NVIDIA ION	250GB ⁸	11b/g ¹¹	Black	Bluetooth	6-cell	Prem 32	Oct 09
2959-5GU	Atom N270	1.60	3GB	12.1" WXGA	1.3M	NVIDIA ION	320GB	11b/g	Black	Bluetooth	6-cell	Prem 32	Oct 09
2959-5DU	Atom N270	1.60	2GB	12.1" WXGA	1.3M	NVIDIA ION	250GB	11b/g	Black	Bluetooth	6-cell	Prem 32	Oct 09
2959-5EU	Atom N270	1.60	2GB	12.1" WXGA	1.3M	NVIDIA ION	250GB	11b/g	White	Bluetooth	6-cell	Prem 32	Oct 09

- **A 12" netbook provides full size keyboard with standard touchpad for good user experience**
- **12.1" widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face.**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning Processor	<i>Netbook; consumer markets</i> Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Toolbar • Lenovo Energy Management Software • VeriFace™ • Lenovo Quick Start
Memory	2GB or 3GB std / 3GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket <i>Italics:</i> standard memory 1GB soldered to systemboard; 1GB or 2GB in socket; no sockets available;	
Diskette drive	None	
External combo SATA disk	None 250GB (5400 rpm) or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable	
Widescreen display	12.1" (307mm) WXGA (1280x800) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:10 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	NVIDIA® ION™ graphics processor , in MCP79, DirectX 10, PureVideo® HD technology, Full HD decode (1080i/p), uses main memory, one VGA DB-15 connector, one HDMI connector, HDCP-compliant	
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	<i>3-cell:</i> (WxDxH): 11.5" x 8.5" x 0.9-1.1"; 292mm x 216mm x 22-28.9mm <i>6-cell:</i> (WxDxH): 11.5" x 9.1" x 0.9-1.4"; 292mm x 230mm x 22-36mm	
Weight ²	<i>3-cell:</i> starting at 3.09 lb (1.4 kg) <i>6-cell:</i> starting at 3.42 lb (1.55 kg)	
Case color	<i>Top:</i> black or white, with fashion pattern <i>Palm rest:</i> color matches top color <i>Bottom:</i> color matches top color	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion, 3-cell or 6-cell	
Battery - life ¹⁰	<i>3-cell:</i> up to 3.0 hr; <i>6-cell:</i> up to 6.0 hr	
Chipset	NVIDIA ION chipset (MCP79) , integrates all features of a modern chipset's North and South bridges into a single chip package	
ExpressCard/34 Multicard reader	None 4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)	
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
Mini PCI Express 11b/g ¹¹	One Mini PCI Express slot 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312	
Bluetooth™	Bluetooth 2.1 wireless, LED indicator	
Modem	None	
Ethernet	10/100 ethernet, Broadcom® BCM5784M	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm) with Dolby® Headphone™ certification	
Security	Power-on password, supervisor password, harddisk password, security keyhole	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year warranty*: * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US models announced October 22, 2009
 US models withdrawn effective December 2010

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 (MC1-3) December 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Color	Blue-tooth	Battery	Win 7 preload	Avail date
2959-5AU	Atom N270	1.60	2GB	12.1" WXGA	1.3M	GMA	160GB	11b/g	White	None	6-cell	Prem 32	Oct 09
2959-5BU	Atom N270	1.60	2GB	12.1" WXGA	1.3M	GMA	160GB	11b/g	Black	None	6-cell	Prem 32	Oct 09

- **A 12" netbook provides full size keyboard with standard touchpad for good user experience**
- **12.1" widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face.**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype® without booting Windows**

Positioning Processor	<i>Netbook; consumer markets</i> Intel® Atom™ Processor N270 with single-core, Hyper-Threading technology, 533MHz system bus, and 512KB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Toolbar • Lenovo Energy Management Software • VeriFace™ • Lenovo Quick Start
Memory	2GB std / 2GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket <i>Italics:</i> standard memory 1GB soldered to systemboard; 1GB in socket; no sockets available;	
Diskette drive	None	
External combo	None	
SATA disk	160GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable	
Widescreen display	12.1" (307mm) WXGA (1280x800) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:10 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) , in 945GSE	
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	<i>3-cell:</i> (WxDxH): 11.5" x 8.5" x 0.9-1.1"; 292mm x 216mm x 22-28.9mm <i>6-cell:</i> (WxDxH): 11.5" x 9.1" x 0.9-1.4"; 292mm x 230mm x 22-36mm	
Weight ²	<i>3-cell:</i> starting at 3.09 lb (1.4 kg) <i>6-cell:</i> starting at 3.42 lb (1.55 kg)	
Case color	<i>Top:</i> black or white, with fashion pattern <i>Palm rest:</i> color matches top color <i>Bottom:</i> color matches top color	40-watt AC adapter wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion, 3-cell or 6-cell	Limited Warranty¹² ⇨ 1-year warranty*: * 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Battery - life ¹⁰	<i>3-cell:</i> up to 3.0 hr; <i>6-cell:</i> up to 6.0 hr	
Chipset	Mobile Intel 945GSE Express Chipset (Graphics Memory Controller Hub), ICH7M I/O Controller Hub (SATA 1.5Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)	
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)	
TV tuner	None	
Mini PCI Express	One Mini PCI Express slot	
11b/g ¹¹	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet, Broadcom® BCM5784M	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm) with Dolby® Headphone™ certification	
Security	Power-on password, supervisor password, harddisk password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US models announced October 23, 2009
 US models withdrawn effective December 2010



Lenovo IdeaPad U110



Lenovo IdeaPad U110
(also available with black top)



Lenovo IdeaPad U110



Lenovo IdeaPad U110



Lenovo IdeaPad U110
(also available with black top)



Lenovo IdeaPad U110

Part number	Low Voltage processor	GHz	Memory	Widescreen display	Camera	Graphics controller	EIDE disk	USB external optical	Mini PCIe 802.11 wireless	Top color	Batteries	Vista preload	Avail date
59014189	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB ⁸	DVD±RW	*4965AG ¹¹	Red	4- + 7-cell	Home Prem	Jun 08
59014294	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	*4965AG	Red	4- + 7-cell	Home Prem	Jun 08
59014847	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	*4965AG	Red	4- + 7-cell	Home Prem	Jul 08
59014234	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	*4965AG	Black	4- + 7-cell	Home Prem	Jun 08
59014295	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	*4965AG	Black	4- + 7-cell	Home Prem	Jun 08
59014245	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	*4965AG	Black	4- + 7-cell	Home Prem	Jul 08
59014843	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	*4965AG	Black	4- + 7-cell	Home Prem	Aug 08
59014844	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	*4965AG	Black	4- + 7-cell	Home Prem	Sep 08
59014845	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	*4965AG	Black	4- + 7-cell	Home Prem	Sep 08

- **11.1" widescreen, glossy display**
- **Frameless screen (no plastic frame) to extend to the edges of the PC**
- **The thinnest and lightest of versatile ultraportables; starting at 0.7 inch high and 2.42 pounds**
- **Top cover with tendril textured floral pattern**
- **Bottom air vents resemble scroll patterns from antique Chinese rosewood furniture**
- **Cherry blossom design on bottom cover**
- **Ultra-glossy keyboard reminiscent of glass**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Theater™ premium audio system with two stereo speakers**
- **Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume control on the keyboard**

Positioning	<i>Ultimate mobility; one-spindle</i>	Preloaded operating system²⁰ - Genuine Windows® Vista® Home Premium 32 ↕ Vista Premium logo
Processor	Intel® Core™ 2 Duo processor L7500 with low voltage, dual-core , Intel 64 Technology, Enhanced Intel SpeedStep® technology ¹ , Intel Dynamic Acceleration, Execute Disable Bit, 800MHz system bus, and 4MB L2 cache	
Memory	3GB std / 3GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, one 200-pin SO-DIMM socket; <i>Italics:</i> std memory 1GB soldered to systemboard, 2GB in socket; no sockets avail	Preloaded applications¹⁴ • Lenovo® OneKey Recovery • Lenovo Anycomm • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • EarthLink® • Lenovo Energy Management Software • Lenovo Shuttle Center (DVD±RW) • Cyberlink Power2Go (DVD±RW)
Diskette drive	None	
External DVD±RW	USB 2.0 external DVD burner, dual-layer support, 12.7mm high, tray-in	Available at these retailers • B&H™ • Newegg® • TigerDirect • MICROCENTER® • Best Buy™ • The Source (Canada)
EIDE disk	120GB (4200 rpm) / ATA-100, 8mm high, 1.8" wide, not removable, Active Protection System™	
Widescreen display	11.1" (281.9mm) WXGA (1366x768) TFT color, VibrantView (glossy), CCFL backlight, 370 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless screen	Limited Warranty¹² ↕ 1-year parts and labor ↕ Depot repair service¹⁹ ↕ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ↕ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Intel Graphics Media Accelerator X3100 , in GM965	65-watt AC adapter Wireless on/off switch RoHS-compliant
Keyboard	Ultra-glossy keyboard, 6-row, 83-key, multimedia Fn keys	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	ExpressCard One slot (ExpressCard/34)
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 10.8" x 7.7" x 0.7-0.9"; 275mm x 196mm x 18.4-22.4mm	Multicard reader 4-in-1 reader (MultiMedia Card, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)
Weight ²	4-cell: starting at 2.42 lb (1.09kg); 7-cell: starting at 2.92 lb (1.32kg)	
Case color	Red or black top, black bottom	Ports Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)
Case material	<i>Top:</i> aluminum alloy; <i>Bottom:</i> magnesium-aluminum alloy	
Battery - type	Lithium Ion, 4-cell 1750 mAh and 7-cell 4600 mAh	TV tuner None
Battery - life ¹⁰	<i>4-cell:</i> up to 2.0 hr; <i>7-cell:</i> up to 6.0 hr	
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus	Mini PCI Express One Mini PCI Express slot
ExpressCard	One slot (ExpressCard/34)	
Multimedia reader	4-in-1 reader (MultiMedia Card, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	Intel 4965AG³² 11a/g wireless ⁴ , Mini PCIe adapter, Intel Wireless WiFi Link 4965AG
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	Bluetooth™ Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator
Mini PCI Express	One Mini PCI Express slot	
Bluetooth™	Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator	Modem None
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	Intel High Definition (HD) Audio, RealTek® ALC888S codec / two stereo speakers (1.5 watt), Dolby® Home Theater™ speaker system / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	Security Power-on password, hard disk password, supervisor password, security keyhole
Fingerprint reader	None	

See footnotes for important warranty information

* Intel Centrino® processor technology

US models announced June 2, July 15, or September 9, 2008

US models withdrawn effective September 2009

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IdeaPad™ U110 11W (2304) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Low Voltage processor	GHz	Memory	Widescreen display	Cam-era controller	Graphics era controller	EIDE disk	USB external optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Batteries	Vista preload	Avail date
2304-2AU	L7500	1.60	2GB	11.1" WXGA	Cam	GMA	120GB ⁸	DVD±RW	* 4965AG ¹¹	Red	Blue	4- + 7-cell	Home Prem	May 08
2304-2BU	L7500	1.60	2GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	* 4965AG	Black	Blue	4- + 7-cell	Home Prem	May 08
2304-3AU	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	* 4965AG	Red	Blue	4- + 7-cell	Home Prem	Aug 08
2304-3BU	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	* 4965AG	Black	Blue	4- + 7-cell	Home Prem	Aug 08
2304-4AU	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	* 4965AG	Red	Blue	4- + 7-cell	Home Prem	Sep 08
2304-4BU	L7500	1.60	3GB	11.1" WXGA	Cam	GMA	120GB	DVD±RW	* 4965AG	Black	Blue	4- + 7-cell	Home Prem	Sep 08

- **11.1" widescreen, glossy display**
- **Frameless screen (no plastic frame) to extend to the edges of the PC**
- **The thinnest and lightest of versatile ultraportables; starting at 0.7 inch high and 2.42 pounds**
- **Top cover with tendril textured floral pattern**
- **Bottom air vents resemble scroll patterns from antique Chinese rosewood furniture**
- **Cherry blossom design on bottom cover**
- **Ultra-glossy keyboard reminiscent of glass**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Theater™ premium audio system with two stereo speakers**
- **Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume control on the keyboard**

Positioning Processor	<i>Ultimate mobility; one-spindle</i> Intel® Core™ 2 Duo processor L7500 with low voltage, dual-core , Intel 64 Technology, Enhanced Intel SpeedStep® technology ¹ , Intel Dynamic Acceleration, Execute Disable Bit, 800MHz system bus, and 4MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® Vista® Home Premium 32 ◇ Vista Premium logo
Memory	2GB or 3GB std / 3GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, one 200-pin SO-DIMM socket; <i>Italics:</i> std memory 1GB soldered to systemboard, 1GB or 2GB in socket; no sockets available	Preloaded applications ¹⁴ • Lenovo® OneKey Recovery • Lenovo Anycomm • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • EarthLink® • Lenovo Energy Management Software • Lenovo Shuttle Center (DVD±RW) • Cyberlink Power2Go (DVD±RW)
Diskette drive	None	Available at these retailers • lenovo.com • Fry's
External DVD±RW EIDE disk	USB 2.0 external DVD burner, dual-layer support, 12.7mm high, tray-in 120GB (4200 rpm) / ATA-100, 8mm high, 1.8" wide, not removable, Active Protection System™	
Widescreen display	11.1" (281.9mm) WXGA (1366x768) TFT color, VibrantView (glossy), CCFL backlight, 370 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless screen	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Intel Graphics Media Accelerator X3100 , in GM965	
Keyboard	Ultra-glossy keyboard, 6-row, 83-key, multimedia Fn keys	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 10.8" x 7.7" x 0.7-0.9"; 275mm x 196mm x 18.4-22.4mm	
Weight ²	4-cell: starting at 2.42 lb (1.09kg); 7-cell: starting at 2.92 lb (1.32kg)	
Case color	Red or black top, black bottom	65-watt AC adapter Wireless on/off switch RoHS-compliant
Case material	<i>Top:</i> aluminum alloy; <i>Bottom:</i> magnesium-aluminum alloy	
Battery - type	Lithium Ion, 4-cell 1750 mAh and 7-cell 4600 mAh	Limited Warranty ¹² ⇒ 1-year parts and labor ⇒ Depot repair service ¹⁹ ⇒ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Battery - life ¹⁰	<i>4-cell:</i> up to 2.0 hr; <i>7-cell:</i> up to 6.0 hr	
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Mini PCI Express	One Mini PCI Express slot	
Intel 4965AG ³²	11a/g wireless ⁴ , Mini PCIe adapter, Intel Wireless WiFi Link 4965AG	
Bluetooth™	Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator	
Modem	None	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	High Definition (HD) Audio, RealTek® ALC888S codec / two stereo speakers (1.5 watt), Dolby® Home Theater™ speaker system / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information * Intel Centrino® processor technology
US models announced April 29, August 12, or September 9, 2008
US models withdrawn effective September 2009

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Lenovo IdeaPad U150



Lenovo IdeaPad U150



Lenovo IdeaPad U150
red cover



Lenovo IdeaPad U150



Lenovo IdeaPad U150



Lenovo IdeaPad U150
black cover

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Battery	Win7 preload	Avail date
6909-68U	SU4100	1.30	3GB	11.6" HD	1.3M	GMA 4500MHD	250GB ^B	11b/g ¹¹	Red	Blue	6-cell	Prem 64	Nov 09
6909-69U	SU7300	1.30	4GB	11.6" HD	1.3M	GMA 4500MHD	320GB	Intel 5100 ²⁸	Black	Blue	6-cell	Prem 64	Nov 09
6909-56U	SU2300	1.20	2GB	11.6" HD	1.3M	GMA 4500MHD	160GB	11b/g	Black		6-cell	Prem 32	Apr 10

- **Super-slim (starts at 0.5 inches thin), ultra-light (weighs just over 3.52 pounds)**
- **11.6" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Sound Room™ premium audio system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen flexibility; one-spindle</i> Intel® Celeron® processor SU2300 with ultra low voltage, dual-core , 800MHz system bus, and 1MB L2 cache or Intel Pentium® processor SU4100 with ultra low voltage, dual-core , 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo processor SU7300 with ultra low voltage, dual-core , 800MHz system bus, and 3MB L2 cache							Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® 7 Home Premium 32 - <i>Some:</i> Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed)					
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available							<ul style="list-style-type: none"> • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus 2009 (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Toolbar • Easy Capture • VeriFace™ • Lenovo Energy Management Software 					
Diskette drive	None							40-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686					
Optical drive	None												
SATA disk	160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, Active Protection System™												
Widescreen display	11.6" (294.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	Camera on top of screen, 1.3-megapixel, fixed focus												
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45, External monitor support via analog VGA DB-15 connector / digital HDMI connector												
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button												
Light sensor	None												
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch												
Dimensions ³	6-cell: (WxDxH): 11.4" x 7.5" x 0.5-1.35"; 290mm x 191.5mm x 13.5-34.3mm												
Weight ²	6-cell: starting at 3.31 lb (1.5kg)												
Case color	Black or red top with texture; black bottom												
Case material	Top: Aluminum Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic												
Battery - type	Lithium Ion, 6-cell												
Battery - life ¹⁰	6-cell: up to 7 hr												
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF)												
ExpressCard/34	None												
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)												
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
TV tuner	None												
Mini PCI Express	Two Mini PCI Express slots												
Intel 5100 ²⁸	Some: 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312												
11b/g ¹¹	Some: Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator												
Bluetooth™	None												
Modem	None												
Ethernet	Gigabit ethernet, Broadcom 57780												
Audio support	High Definition (HD) Audio, Conexant® CX20582 codec / two stereo speakers (1.5 watt), Dolby Home Sound Room audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Fingerprint reader	None												

See footnotes for important warranty information
 US models announced November 3, 2009 or April 7, 2010
 US models withdrawn effective November, 2010



Lenovo IdeaPad U160



Lenovo IdeaPad U160



Lenovo IdeaPad U160
black cover



Lenovo IdeaPad U160
red cover



Lenovo IdeaPad U160
red cover



Lenovo IdeaPad U160
red cover

Type-model	Pro cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
0894-5JU	i5-520UM	1.06	1.86	4GB	11.6" HD	1.3M	Intel HD	320GB ⁸	11b/g/n ²⁸	Black	Bluetooth	6-cell	Prem 32	Jun 10
0894-55U	i7-640UM	1.20	2.26	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Black	Bluetooth	6-cell	Prem 64	Jun 10
0894-59U	i7-640UM	1.20	2.26	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Red	Bluetooth	6-cell	Prem 64	Jun 10
0894-5KU	i5-470UM	1.33	1.86	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Red	Bluetooth	6-cell	Prem 64	Nov 10
0894-5LU	i5-470UM	1.33	1.86	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Black	Bluetooth	6-cell	Prem 64	Nov 10
0894-5MU	i3-380UM	1.33		4GB	11.6" HD	1.3M	Intel HD	320GB	11b/g/n	Black	Bluetooth	6-cell	Prem 64	Nov 10

- **Thin and light design for easy mobility**
- **11.6" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; one-spindle Intel® Core™ i3 processor i3-380UM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), 3MB cache or Intel Core i5 processor i5-470UM or i5-520UM with dual-core, DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, 3MB cache or Intel Core i7 processor i7-640UM with dual-core, DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, and 4MB cache	Preloaded operating system²⁰ - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • CyberLink YouCam • ooVoo™ • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace™ • Lenovo Security Suite • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None	
Optical drive	None	
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
Widescreen display	11.6" (294.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery button	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	<i>6-cell: (WxDxH):</i> 11.4" x 7.6" x 0.89"; 290mm x 193mm x 22.5mm	
Weight ²	<i>6-cell:</i> starting at 3.09 lb (1.4kg)	
Case color	<i>Top:</i> black or red top with texture; <i>Bottom:</i> black or red bottom, color matches top color	
Case material	<i>Top:</i> Aluminum <i>Bottom:</i> PC/ABS	
Battery - type	Lithium Ion, 6-cell	40-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant
Battery - life ¹⁰	<i>6-cell:</i> up to 7 hr	
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Limited Warranty¹² ↔ 1-year parts and labor Depot repair service¹⁹ ↔ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® BCM4313 or Atheros® AR9285	
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Atheros AR8131	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1.5 watt x 2), Dolby® Advanced Audio™ certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Administrator password, hard disk password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced June 23 or November 3, 2010
US model(s) withdrawn effective November 2010 or March 2013

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Lenovo IdeaPad U260
Clementine Orange cover



Lenovo IdeaPad U260



Lenovo IdeaPad U260
Mocha Brown cover



Lenovo IdeaPad U260
Mocha Brown cover



Lenovo IdeaPad U260
Clementine Orange cover



Lenovo IdeaPad U260
Mocha Brown cover

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
0876-3DU	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB ^B	Intel 1000 ²⁸	Orange	Bluetooth	4-cell	Prem 64	Mar 11
0876-3AU	i3-380UM	1.33		4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Orange	Bluetooth	4-cell	Prem 64	Mar 11
0876-3BU	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Mocha	Bluetooth	4-cell	Prem 64	Mar 11
0876-3CU	i3-380UM	1.33		4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Mocha	Bluetooth	4-cell	Prem 64	Mar 11

- **Ultra slim and light design for easy mobility**
- **12.5" HD widescreen, anti-glare display with LED backlight**
- **Breathable Keyboard, a spill-resistant keyboard that also dissipates heat through the keys**
- **Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Advanced Audio certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; one-spindle Intel® Core™ i3 processor i3-380UM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), 3MB cache or Intel Core i5 processor i5-470UM with dual-core, DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • CyberLink YouCam • ooVoo™ • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace™ • Lenovo Security Suite • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB std / 4GB max* / PC3-8500 1066MHz DDR3 , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, 2.5" platter, Active Protection System™	
Widescreen display	12.5" (317.5mm) HD (WXGA 1366x768) TFT color , anti-glare, LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, spill-resistant, multimedia Fn keys, recovery button	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	4-cell: (WxDxH): 12.5" x 8.1" x 0.71"; 318mm x 204.5mm x 18mm	
Weight ²	4-cell: starting at 3.04 lb (1.38kg)	
Case color	Top: Clementine Orange or Mocha Brown top; Bottom: Clementine Orange or Mocha Brown, color matches top color	40-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Case material	Top: magnesium-aluminum alloy Bottom: magnesium-aluminum alloy	
Battery - type	Lithium Polymer, 4-cell	
Battery - life ¹⁰	4-cell: up to 4 hr	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Chipset	Mobile Intel QS57 Express Chipset	
ExpressCard/34	None	
Multicard reader	None	
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCI Express Mini Card slot	
Intel 1000 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1 watt x 2), Dolby® Advanced Audio™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced March 2, 2011
US model(s) withdrawn effective March 2013

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(MARS1-2) March 2013

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
0876-33U	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB ^B	Intel 1000 ²⁸	Mocha	Bluetooth	4-cell	Prem 64	Nov 10
0876-32U	i3-380UM	1.33		4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Mocha	Bluetooth	4-cell	Prem 64	Nov 10
0876-34U	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Orange	Bluetooth	4-cell	Prem 64	Nov 10

- **Ultra slim and light design for easy mobility**
- **12.5" HD widescreen, anti-glare display with LED backlight**
- **Breathable Keyboard, an spill-resistant keyboard that also dissipates heat through the keys**
- **Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; one-spindle</i></p> <p>Intel® Core™ i3 processor i3-380UM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), 3MB cache or</p> <p>Intel Core i5 processor i5-470UM with dual-core, DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache</p>										<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • CyberLink YouCam • ooVoo™ • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace™ • Lenovo Security Suite • Microsoft Office 2010 preloaded; purchase product key to activate 			
Memory	<p>4GB std / 4GB max* / PC3-8500 1066MHz DDR3, non-parity, one 204-pin SO-DIMM socket</p>										<p>40-watt AC adapter</p> <p>Wireless on/off switch</p> <p>EPEAT™ Silver rating</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p>			
Diskette drive	None													
Optical drive	None										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
SATA disk	<p>320GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, 2.5" platter, Active Protection System™</p>													
Widescreen display	<p>12.5" (317.5mm) HD (WXGA 1366x768) TFT color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>										<p>40-watt AC adapter</p> <p>Wireless on/off switch</p> <p>EPEAT™ Silver rating</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p>			
Camera	<p>Camera on top of screen, 0.3-megapixel, fixed focus</p>													
Integrated graphics	<p>Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector, HDCP-compliant</p>										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
Keyboard	<p>Full-size keyboard, 6-row, spill-resistant, multimedia Fn keys, recovery button</p>													
Light sensor	<p>Ambient light sensor</p>										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
Touch pad	<p>Two-button touch pad with scroll feature (no TrackPoint®), multi-touch</p>													
Dimensions ³	<p><i>4-cell: (WxDxH):</i> 12.5" x 8.1" x 0.71"; 318mm x 204.5mm x 18mm</p>										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
Weight ²	<p><i>4-cell:</i> starting at 3.04 lb (1.38kg)</p>													
Case color	<p><i>Top:</i> Clementine Orange or Mocha Brown top; <i>Bottom:</i> Clementine Orange or Mocha Brown, color matches top color</p>										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
Case material	<p><i>Top:</i> magnesium-aluminum alloy <i>Bottom:</i> magnesium-aluminum alloy</p>													
Battery - type	<p>Lithium Polymer, 4-cell</p>										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
Battery - life ¹⁰	<p><i>4-cell:</i> up to 4 hr</p>													
Chipset	<p>Mobile Intel QS57 Express Chipset</p>										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
ExpressCard/34	None													
Multicard reader	None										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
Ports	<p>Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p>													
TV tuner	None										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
PCIe Mini Card	<p>One PCI Express Mini Card slot</p>													
Intel 1000 ²⁸	<p>11b/g/n wireless⁴, PCIe Mini Card adapter, Intel Centrino® Wireless-N 1000, 1x2</p>										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
Bluetooth™	<p>Bluetooth 2.1 wireless, internal USB 2.0 interface</p>													
Modem	None										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
Ethernet	<p>Gigabit ethernet, Atheros AR8151</p>													
Audio support	<p>High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1 watt x 2), Dolby® Advanced Audio™ certified / microphone, microphone input and headphone combo jack (3.5 mm)</p>										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
Security	<p>Administrator password, hard disk password, security keyhole</p>													
Fingerprint reader	None										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			

See footnotes for important warranty information
 US model(s) announced November 3, 2010
 US model(s) withdrawn effective March 2013

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 (MARS1-1) March 2013



Lenovo IdeaPad U330



Lenovo IdeaPad U330



Lenovo IdeaPad U330



Lenovo IdeaPad U330



Lenovo IdeaPad U330



Lenovo IdeaPad U330

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Battery	Vista preload	Avail date
2267-65U	T4200	2.00	2GB	13.3" WXGA	Cam	GMA 4500MHD	250GB ⁸	DVD±RW	11b/g ¹¹	Black	6-cell	Prem 32	Oct 09
2267-58U	T4200	2.00	3GB	13.3" WXGA	Cam	GMA 4500MHD	320GB	DVD±RW	11b/g	Black	6-cell	XP Pro	Oct 09
2267-64U	T4200	2.00	3GB	13.3" WXGA	Cam	GMA 4500MHD	320GB	DVD±RW	11b/g	Black	6-cell	Prem 32	Oct 09

- **The "U" series is about expressing ideas with style**
- **Super-slim (starts at 0.9 inches thin), ultra-light (weighs just over 4 pounds)**
- **13.3" widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Theater® premium audio system with two stereo speakers**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Pentium® processor T4200 with dual-core, 800MHz system bus, and 1MB L2 cache		Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business) - <i>Some:</i> Genuine Windows Vista Home Premium 32 ♦ <i>Vista models:</i> Vista Premium logo Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	2GB or 3GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available		
Diskette drive	None		
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 9.5mm high, tray-in		
SATA disk	250GB (5400 rpm) or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable Active Protection System™		
Widescreen display	13.3" (337.8mm) WXGA (1280x800) TFT color, VibrantView (glossy), LED backlight , 300 nits, 16:10 aspect ratio, 300:1 contrast ratio		
Camera	Camera on top of screen, 1.3-megapixel, fixed focus		
Graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45		
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys		
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key		
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)		
Dimensions ³	<i>(WxDxH):</i> 12.5" x 9.3" x 0.9-1.1"; 318mm x 237mm x 23-28mm		
Weight ²	<i>6-cell:</i> starting at 4.32 lb (1.96kg)		
Case color	Black top, black bottom		
Case material	<i>Top:</i> magnesium-aluminum alloy; <i>Bottom:</i> magnesium-aluminum alloy		
Battery - type	Lithium Ion, 6-cell 5200 mAh		
Battery - life ¹⁰	Up to 5.5 hr (integrated graphics)		
Chipset	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)		
ExpressCard/34	One slot (ExpressCard/34)		
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)		
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)		
TV tuner	None		
Mini PCI Express	One Mini PCI Express slot		
11b/g ¹¹	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312		
Bluetooth™	Bluetooth 2.0 wireless, USB 2.0 interface via ICH9M, LED indicator		
Modem	None		
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3		
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt), Dolby Home Theater speaker system / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)		
Security	Power-on password, hard disk password, supervisor password, security keyhole		
Fingerprint reader	None		
			Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US models announced September 30, 2009
 US models withdrawn effective October, 2010

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Type-model	Processor	GHz	Memory	Widescreen display	Camera	Switchable graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Battery	Vista preload	Avail date
2267-2DU	T6400	2.00	2GB	13.3" WXGA	Cam	GMA, HD 3450	250GB ⁸	DVD±RW	* Intel 5100 ²⁸	Black	6-cell	Prem 32	Apr 09
2267-2EU	T6400	2.00	2GB	13.3" WXGA	Cam	GMA, HD 3450	320GB	DVD±RW	* Intel 5100	Black	6-cell	Prem 32	Apr 09
2267-2BU	P7350	2.00	2GB	13.3" WXGA	Cam	GMA, HD 3450	250GB	DVD±RW	⚡ Intel 5100	Glossy black	6-cell	Prem 32	Aug 08
2267-3AU	P7350	2.00	3GB	13.3" WXGA	Cam	GMA, HD 3450	250GB	DVD±RW	⚡ Intel 5100	Glossy black	6-cell	Prem 32	Sep 08
2267-2AU	P7350	2.00	3GB	13.3" WXGA	Cam	GMA, HD 3450	320GB	DVD±RW	⚡ Intel 5100	Glossy black	6-cell	Prem 32	Aug 08
2267-2FU	P7450	2.13	3GB	13.3" WXGA	Cam	GMA, HD 3450	320GB	DVD±RW	⚡ Intel 5100	Black	6-cell	Prem 32	May 09
2267-2CU	P8600	2.40	4GB	13.3" WXGA	Cam	GMA, HD 3450	320GB	DVD±RW	⚡ Intel 5100	Black	6-cell	Prem 64	Apr 09
2267-2GU	P7450	2.13	2GB	13.3" WXGA	Cam	GMA, HD 3450	250GB	DVD±RW	⚡ Intel 5100	Black	6-cell	Prem 32	Oct 09
2267-2FU	P7450	2.13	3GB	13.3" WXGA	Cam	GMA, HD 3450	320GB	DVD±RW	⚡ Intel 5100	Black	6-cell	Prem 32	Oct 09

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- Super-slim (starts at 0.9 inches thin), ultra-light (weighs just over 4 pounds)
- 13.3" widescreen, glossy display with LED backlight
- Dynamic switching between discrete and integrated graphics (user selectable)
- Integrated 1.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Dolby® Home Theater® premium audio system with two stereo speakers
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor T6400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7350, P7450, or P8600 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available	⚡ Vista Premium logo Preloaded applications ¹⁴ (only some listed) • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Diskette drive	None	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 9.5mm high, tray-in	
SATA disk	250GB (5400 rpm) or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable Active Protection System™	
Widescreen display	13.3" (337.8mm) WXGA (1280x800) TFT color, VibrantView (glossy), LED backlight , 300 nits, 16:10 aspect ratio, 300:1 contrast ratio, frameless screen	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Switchable graphics	Dynamic switching between discrete and integrated graphics (user selectable), Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, and ATI™ Mobility Radeon™ HD 3450 , PCI Express® x16, 256MB memory, DirectX® 10, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 12.5" x 9.3" x 0.9-1.1"; 318mm x 237mm x 23-28mm	
Weight ²	6-cell: starting at 4.32 lb (1.96kg)	
Case color	Black or high glossy black top, black bottom	
Case material	Top: magnesium-aluminum alloy; Bottom: magnesium-aluminum alloy	
Battery - type	Lithium Ion, 6-cell 5200 mAh	
Battery - life ¹⁰	Up to 3.5 hr (discrete graphics); up to 5.5 hr (integrated graphics)	90-watt AC adapter Wireless on/off switch RoHS-compliant
Chipset	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	
ExpressCard/34	One slot (ExpressCard/34)	Limited Warranty ¹²
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	↪ 1-year parts and labor ↪ Depot repair service ¹⁹ ↪ Service upgrade options (in eligible locations): ⁹
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	• 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541
TV tuner	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Mini PCI Express	One Mini PCI Express slot	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Bluetooth 2.0 wireless, USB 2.0 interface via ICH9M, LED indicator	
Modem	None	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt), Dolby Home Theater speaker system / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
US models announced August 19 or September 9, 2008
or April 22, May 27, or September 30, 2009;
US models withdrawn effective October, 2010

* Intel Centrino® processor technology
⚡ Intel Centrino 2 processor technology

Part number	Processor	GHz	Memory	Widescreen display	Camera	Switchable graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Battery	Vista preload	Avail date
59015270	P7350	2.00	3GB	13.3" WXGA	Cam	GMA, HD 3450	250GB ⁸	DVD±RW	✦ Intel 5100 ²⁸	Black	6-cell	Home Prem	Nov 08
59016807	P7350	2.00	3GB	13.3" WXGA	Cam	GMA, HD 3450	250GB	DVD±RW	✦ Intel 5100	Black	6-cell	Home Prem	Nov 08
59016806	P7350	2.00	3GB	13.3" WXGA	Cam	GMA, HD 3450	250GB	DVD±RW	✦ Intel 5100	Black	6-cell	Home Prem	Nov 08

- **The "U" series is about expressing ideas with style**
- **Super-slim (starts at 0.9 inches thin), ultra-light (weighs just over 4 pounds)**
- **13.3" widescreen, glossy display with LED backlight**
- **Bold black color with piano finish**
- **Dynamic switching between discrete and integrated graphics (user selectable)**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Theater™ premium audio system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor P7350 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® Vista® Home Premium 32 ✦ Vista Premium logo Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Easy Capture • Microsoft® Office 2007 Trial (60-day) • Carbonite Online Backup • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	3GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5mm high, tray-in 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, Active Protection System™	
Widescreen display Camera	13.3" (337.8mm) WXGA (1280x800) TFT color, VibrantView (glossy), LED backlight , 300 nits, 16:10 aspect ratio, 300:1 contrast ratio, frameless screen Camera on top of screen, 1.3-megapixel, fixed focus	
Switchable graphics	Dynamic switching between discrete and integrated graphics (user selectable), Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, and ATI™ Mobility Radeon™ HD 3450 , PCI Express® x16, 256MB memory, DirectX® 10, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	Available at these retailers • B&H™ • J&R™ • MICROCENTER® • TigerDirect • Amazon.com • Supercom (Canada)
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(<i>WxDxH</i>): 12.5" x 9.3" x 0.9-1.1"; 318mm x 237mm x 23-28mm <i>6-cell</i> : starting at 4.32 lb (1.96kg) Black top, black bottom <i>Top</i> : magnesium-aluminum alloy; <i>Bottom</i> : magnesium-aluminum alloy Lithium Ion, 6-cell 5200 mAh Up to 3.5 hr (discrete graphics); up to 5.5 hr (integrated graphics)	
Chipset	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	90-watt AC adapter Wireless on/off switch RoHS-compliant
ExpressCard/34 Multicard reader	One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem	One Mini PCI Express slot 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Bluetooth 2.0 wireless, USB 2.0 interface via ICH9M, LED indicator None	
Ethernet Audio support	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3 High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt), Dolby® Home Theater™ speaker system / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None	

See footnotes for important warranty information
US models announced November 12, 2008
US models withdrawn effective March 2010

✦ Intel Centrino® 2 processor technology

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(OLP1-2) March 2010



Lenovo IdeaPad U350



Lenovo IdeaPad U350



Lenovo IdeaPad U350 with
with Lizard Skin pattern cover



Lenovo IdeaPad U350 cover



Lenovo IdeaPad U350



Lenovo IdeaPad U350
Lightweave pattern cover

IdeaPad™ U350 (2963) - withdrawn

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Chipset	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Battery	Vista preload	Avail date
2963-25U	SU2700	1.30	2GB	13.3" WXGA	Cam	GMA 4500M	250GB ⁸	GS40	Intel 5100 ²⁸	Black	Blue	4-cell	Prem 32	Jun 09
2963-26U	SU2700	1.30	3GB	13.3" WXGA	Cam	GMA 4500M	250GB	GS40	Intel 5100	Black	Blue	4-cell	Prem 32	Jun 09
2963-27U	SU2700	1.30	3GB	13.3" WXGA	Cam	GMA 4500M	320GB	GS40	Intel 5100	Black	Blue	4-cell	Prem 32	Jun 09
2963-23U	SU2700	1.30	4GB	13.3" WXGA	Cam	GMA 4500M	320GB	GS40	Intel 5100	Black	Blue	4-cell	Prem 32	Jun 09
2963-2HU	SU2700	1.30	3GB	13.3" WXGA	Cam	GMA 4500M	250GB	GS40	Intel 5100	Black		4-cell	Prem 32	Aug 09
2963-2CU	SU2700	1.30	3GB	13.3" WXGA	Cam	GMA 4500M	250GB	GS40	Intel 5100	Black		4-cell	Prem 32	Aug 09
2963-2JU	SU3500	1.40	4GB	13.3" WXGA	Cam	GMA 4500MHD	320GB	GS45	Intel 5100	Black	Blue	4-cell	Prem 64	Oct 09

- **Super-slim (starts at 0.7 inches thin), ultra-light (weighs just over 3.52 pounds)**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Sound Room™ premium audio system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen flexibility; one-spindle</i> Intel® Pentium® processor SU2700 with ultra low voltage, single-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Solo processor SU3500 with ultra low voltage, single-core, 800MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® Vista® Home Premium 32 - <i>Some:</i> Genuine Windows Vista Home Premium 64 ◇ Vista Premium logo
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available	Preloaded applications¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • VeriFace™ • Lenovo Energy Management Software
Diskette drive	None	65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Optical drive	None	
SATA disk	250GB (5400 rpm) or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable Active Protection System™	
Widescreen display	13.3" (337.8mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	<i>Some:</i> Intel Graphics Media Accelerator 4500M (GMA 4500M) , in GS40, <i>Some:</i> Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45, External monitor support via analog VGA DB-15 connector / digital HDMI connector; Maximum external resolution: 2048x1536 @ 75Hz (VGA)	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	<i>(WxDxH):</i> 12.9" x 9.0" x 0.7-1.0"; 328mm x 228mm x 17-24.9mm	
Weight ²	<i>4-cell:</i> starting at 3.52 lb (1.6kg)	
Case color	Black top with square weave texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Polymer, 4-cell	
Battery - life ¹⁰	<i>4-cell:</i> up to 5 hr	
Chipset	Mobile Intel GS40/GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF) (SATA 3Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	Limited Warranty¹² ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
ExpressCard/34	None	
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)	
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45),	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	<i>Some:</i> Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® 57780	
Audio support	High Definition (HD) Audio, Conexant CX 20582 codec / two stereo speakers (1.5 watt), Dolby Home Sound Room audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
US models announced June 24, August 19, or September 30, 2009
US models withdrawn effective December 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Battery	Win7 preload	Avail date
2963-47U	SU4100	1.30	3GB	13.3" WXGA	1.3M	GMA 4500MHD	320GB ⁸	11b/g ¹¹	Black		4-cell	Prem 32	Oct 09
2963-46U	SU7300	1.30	4GB	13.3" WXGA	1.3M	GMA 4500MHD	320GB	Intel 5100 ²⁸	Black		4-cell	Prem 64	Oct 09
2963-2YU	SU4100	1.30	3GB	13.3" WXGA	1.3M	GMA 4500MHD	320GB	Intel 5100	Black	Blue	8-cell	Prem 64	Oct 09
2963-2UU	SU7300	1.30	4GB	13.3" WXGA	1.3M	GMA 4500MHD	320GB	Intel 5100	Black	Blue	8-cell	Prem 64	Oct 09
2963-2VU	SU7300	1.30	4GB	13.3" WXGA	1.3M	GMA 4500MHD	320GB	Intel 5100	Lightweave	Blue	8-cell	Prem 64	Oct 09
2963-2XU	SU7300	1.30	4GB	13.3" WXGA	1.3M	GMA 4500MHD	320GB	Intel 5100	Lizard Skin	Blue	8-cell	Prem 64	Oct 09
2963-4GU	SU4100	1.30	3GB	13.3" WXGA	1.3M	GMA 4500MHD	250GB	11b/g	Black		8-cell	Prem 32	Apr 10

- **Super-slim (starts at 0.7 inches thin), ultra-light (weighs just over 3.52 pounds)**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Sound Room™ premium audio system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**



Lizard Skin



LightWeave

Positioning Processor	<i>Widescreen flexibility; one-spindle</i> Intel® Pentium® processor SU4100 with ultra low voltage, dual-core , 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo processor SU7300 with ultra low voltage, dual-core , 800MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® 7 Home Premium 32 - <i>Some:</i> Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee VirusScan® Plus (60 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • VeriFace™ • Lenovo Energy Management Software
Memory	3GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None	
Optical drive	None	
SATA disk	250GB (5400 rpm) or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable Active Protection System™	
Widescreen display	13.3" (337.8mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45, External monitor support via analog VGA DB-15 connector / digital HDMI connector; Maximum external resolution: 2048x1536@75Hz (VGA)	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	<i>(WxDxH):</i> 12.9" x 9.0" x 0.7-1.0"; 328mm x 228mm x 17-24.9mm	
Weight ²	<i>4-cell:</i> starting at 3.52 lb (1.6kg); <i>8-cell:</i> starting at 4 lb (1.8kg)	
Case color	Black top with square weave, lightweave, or lizard skin texture; black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Polymer, 4-cell or 8-cell	
Battery - life ¹⁰	<i>4-cell:</i> up to 5 hr; <i>8-cell:</i> up to 10 hr	
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF) (SATA 3Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	
ExpressCard/34 Multicard reader	None	
Ports	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card) Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots <i>Some:</i> 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) <i>Some:</i> 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312	
Bluetooth™	<i>Some:</i> Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom 57780	
Audio support	High Definition (HD) Audio, Conexant CX 20582 codec / two stereo speakers (1.5 watt), Dolby Home Sound Room audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US models announced October 23, 2009 or April 7, 2010
 US models withdrawn effective December 2010



Lenovo IdeaPad U450p



Lenovo IdeaPad U450p



Lenovo IdeaPad U450p



Lenovo IdeaPad U450p



Lenovo IdeaPad U450p



Lenovo IdeaPad U450p

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Battery	Vista preload	Avail date
3389-26U	SU2700	1.30	3GB	14.0" WXGA	Cam	GMA 4500MHD	250GB ⁸	DVD±RW	11b/g ²⁸	Black	None	6-cell	Prem 32	Aug 09
3389-28U	SU3500	1.40	4GB	14.0" WXGA	Cam	GMA 4500MHD	320GB	DVD±RW	Intel 5100	Black	None	6-cell	Prem 64	Aug 09
3389-29U	SU3500	1.40	4GB	14.0" WXGA	Cam	GMA 4500MHD	500GB	DVD±RW	Intel 5100	Black	None	6-cell	Prem 64	Aug 09

- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Sound Room™ premium audio system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Pentium® processor SU2700 with ultra low voltage, single-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Solo processor SU3500 with ultra low voltage, single-core, 800MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - <i>Some:</i> Genuine Windows® Vista® Home Premium 32 - <i>Some:</i> Genuine Windows Vista Home Premium 64 ↕ Vista Premium logo
Memory	3GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available;	Preloaded applications ¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in 250GB (5400 rpm), 320GB (5400 rpm), or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, not removable	
Widescreen display Camera	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45, External monitor support via analog VGA DB-15 connector / digital HDMI connector; Maximum external resolution: 2048x1536@75Hz (VGA)	
Keyboard Light sensor Touch pad	Full-size keyboard, 6-row, Fn keys, recovery button None Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(<i>WxDxH</i>): 13.3" x 9.3" x 0.9-1.1"; 338.5mm x 235.5mm x 23~28.9mm <i>6-cell:</i> starting at 4.62 lb (2.1kg) Black top with square weave texture, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell <i>6-cell:</i> up to 6 hr	Available at these retailers • lenovo.com 65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF) (SATA 3Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	
ExpressCard/34 Multicard reader	None 4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)	Limited Warranty ¹² ↔ 1-year parts and labor ↔ Depot repair service ¹⁹ ↔ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner Mini PCI Express 11b/g ²⁸ Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two Mini PCI Express slots <i>Some:</i> 11b/g wireless ⁴ , Mini PCI Express Adapter, Broadcom® BCM4312 <i>Some:</i> 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None Gigabit ethernet, RealTek® 8111L High Definition (HD) Audio, RealTek ALC272 codec / two stereo speakers (1.5 watt), Dolby® Home Sound Room™ audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None	

See footnotes for important warranty information
US models announced August 11, 2009
US models withdrawn effective December 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Battery	Win7 preload	Avail date
3389-2BU	SU4100	1.30	3GB	14.0" WXGA	1.3M	GMA 4500MHD	250GB ⁸	DVD±RW	11b/g ¹¹	Black		6-cell	Prem 32	Oct 09
3389-32U	SU4100	1.30	3GB	14.0" WXGA	1.3M	GMA 4500MHD	250GB	DVD±RW	Intel 5100	Black	Blue	6-cell	Prem 64	Oct 09
3389-33U	SU4100	1.30	4GB	14.0" WXGA	1.3M	GMA 4500MHD	320GB	DVD±RW	Intel 5100	Black	Blue	6-cell	Prem 64	Oct 09
3389-2EU	SU7300	1.30	4GB	14.0" WXGA	1.3M	GMA 4500MHD	320GB	DVD±RW	Intel 5100 ²⁸	Black		6-cell	Prem 64	Oct 09

- 14.0" HD widescreen, glossy display with LED backlight
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Home Sound Room™ premium audio system with two stereo speakers
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® processor SU4100 with ultra low voltage, dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo processor SU7300 with ultra low voltage, dual-core, 800MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64
Memory	3GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available;	Preloaded applications¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee VirusScan® Plus (60 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in 250GB (5400 rpm) or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, not removable	
Widescreen display Camera	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45, External monitor support via analog VGA DB-15 connector / digital HDMI connector; Maximum external resolution: 2048x1536@75Hz (VGA)	
Keyboard Light sensor Touch pad	Full-size keyboard, 6-row, Fn keys, recovery button None Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 13.3" x 9.3" x 0.9-1.1"; 338.5mm x 235.5mm x 23~28.9mm <i>6-cell:</i> starting at 4.62 lb (2.1kg) Black top with square weave texture, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell <i>6-cell:</i> up to 6 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF) (SATA 3Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	
ExpressCard/34 Multicard reader	None 4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)	Limited Warranty¹² ↔ 1-year parts and labor ↔ Depot repair service¹⁹ ↔ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner Mini PCI Express 11b/g ¹¹ Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two Mini PCI Express slots <i>Some:</i> 11b/g wireless ⁴ , Mini PCI Express Adapter, Broadcom® BCM4312 <i>Some:</i> 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) <i>Some:</i> Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator None Gigabit ethernet, RealTek® 8111L High Definition (HD) Audio, RealTek ALC272 codec / two stereo speakers (1.5 watt), Dolby® Home Sound Room™ audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None	

See footnotes for important warranty information
US models announced October 23, 2009
US models withdrawn effective December 2010

↔ Intel Centrino® 2 processor technology

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(URL1-2) December 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Battery	Win7 preload	Avail date
3389-2GU	SU7300	1.30	4GB	14.0" WXGA	1.3M	ATI HD4330	320GB ⁸	DVD±RW	Intel 5100 ²⁸	Black	Blue	6-cell	Prem 64	Oct 09
3389-2HU	SU9400	1.40	6GB	14.0" WXGA	1.3M	ATI HD4330	500GB	DVD±RW	Intel 5100	Black	Blue	6-cell	Prem 64	Oct 09

- 14.0" HD widescreen, glossy display with LED backlight
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Home Sound Room™ premium audio system with two stereo speakers
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor SU7300 or SU9400 with ultra low voltage, dual-core, 800MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee VirusScan® Plus (60 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	4GB or 6GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available;	
Diskette drive	None	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in	
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, not removable	
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Discrete graphics	ATI™ Mobility Radeon™ HD 4330, PCI Express® x16, 512MB memory, DirectX® 10.1, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 13.3" x 9.3" x 0.9-1.1"; 338.5mm x 235.5mm x 23-28.9mm	65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Weight ²	6-cell: starting at 4.62 lb (2.1kg)	
Case color	Black top with square weave texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	6-cell: up to 4 hr	
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF) (SATA 3Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	
ExpressCard/34 Multicard reader	None	
Ports	4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card) Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, RealTek® 8111L	
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / two stereo speakers (1.5 watt), Dolby® Home Sound Room™ audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US models announced October 23, 2009
 US models withdrawn effective December 2010

⇨ Intel Centrino® 2 processor technology

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 (URL1-3) December 2010



Lenovo IdeaPad U460/U460s



Lenovo IdeaPad U460/U460s



Lenovo IdeaPad U460/U460s
Black cover



Lenovo IdeaPad U460/U460s
Black cover



Lenovo IdeaPad U460/U460s
Midnight Plum cover



Lenovo IdeaPad U460/U460s

IdeaPad™ U460 (0877) - Integrated (Windows 7) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Finger print reader	Blue-tooth	Battery	Win7 preload	Avail date
0877-23U	i3-350M	2.26	None	2GBx2	14.0" HD	1.3M	Intel HD	500GB ⁸	Intel 1000 ²⁸	Black	Fing	Blue	8-cell	Prem 64	Jul 10
0877-2CU	i3-370M	2.40	None	2GBx2	14.0" HD	1.3M	Intel HD	500GB	Intel 1000	Midnight Plum	Fing	Blue	8-cell	Prem 64	Nov 10
0877-2GU	i3-380M	2.53	None	2GBx2	14.0" HD	1.3M	Intel HD	500GB	Intel 1000	Midnight Plum	Fing	Blue	8-cell	Prem 64	Mar 11

- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Advanced Audio system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; one-spindle</i> Intel® Core™ i3-350M, i3-370M, or i3-380M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64				
Memory	4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;										Preloaded applications¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Fingerprint Software • Windows Live™ Essential • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Lenovo DirectShare • Lenovo Security Suite • ooVoo™ • Microsoft Office 2010 preloaded; purchase product key to activate				
Diskette drive	None														
SATA optical drive	None														
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™														
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	Camera on top of screen, 1.3-megapixel, fixed focus														
Integrated graphics	Intel HD Graphics in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector														
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button														
Touch controls	Power plan button and mute button														
Light sensor	Ambient light sensor														
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch														
Dimensions ³	<i>(WxDxH):</i> 13.3" x 9.3" x 0.8-1.0"; 338mm x 235mm x 21-24.9mm														
Weight ²	<i>8-cell:</i> starting at 4.3 lb (1.95kg)														
Case color	Black top with square weave texture or Midnight Plum with hairline texture, black bottom, and silver palm rest														
Case material	<i>Top and palm rest:</i> PC/ABS with Aluminum cover; <i>bottom:</i> PC/ABS														
Battery - type	Lithium Ion 8-cell														
Battery - life ¹⁰	<i>8-cell:</i> up to 6 hr														
Chipset	Mobile Intel HM55 Express Chipset														
ExpressCard/34	None														
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)														
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)														
TV tuner	None														
PCIe Mini Card	Three PCIe Mini Card slots, two full size and one half size														
Intel 1000 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1000, 1x2														
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface														
Modem	None														
Ethernet	Gigabit ethernet, Atheros® AR8131M														
Audio support	High Definition (HD) Audio, RealTek AD259 codec / stereo speakers (1.5 watt x 2), Dolby® Advanced Audio™ system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)														
Security	User password, supervisor password, hard disk password, security keyhole														
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor										Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				

See footnotes for important warranty information

US model announced July 28 or November 3, 2010 or March 2, 2011;

US models withdrawn effective November 2010 or December, 2012

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(URAL2-1) December 2012

IdeaPad™ U460 (0877) - Switchable (Windows 7) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-processor	Max turbo GHz (GHz)	Memory	Widescreen display	Switchable graphics	SATA disk GB ⁸ rpm	PCIe Mini Card 802.11	Top color	Finger print reader	Blue-tooth	Battery	Win7 preload	Avail date
0877-22U	i5-450M	2.40	2.66	2GBx2	14.0" HD Intel HD, GeF 305M	500 5400	Intel 1000 ²⁸	Black	Fing	Blue	8-cell	Prem 64 Jul 10	10
0877-2AU	i5-560M	2.66	3.20	2GBx2	14.0" HD Intel HD, GeF 305M	500 5400	Intel 1000	Midnight Plum	Fing	Blue	8-cell	Prem 64 Nov 10	10
0877-2BU	i5-460M	2.53	2.80	2GBx2	14.0" HD Intel HD, GeF 305M	500 5400	Intel 1000	Midnight Plum	Fing	Blue	8-cell	Prem 64 Dec 10	10
0877-25U	i5-460M	2.53	2.80	2GBx2	14.0" HD Intel HD, GeF 305M	500 7200	Intel 1000	Black	Fing	Blue	8-cell	Prem 64 Dec 10	10
0877-26U	i5-560M	2.66	3.20	4+2GB	14.0" HD Intel HD, GeF 305M	500 5400	Intel 1000	Black	Fing	Blue	8-cell	Prem 64 Dec 10	10
0877-2DU	i5-480M	2.66	2.93	2GBx2	14.0" HD Intel HD, GeF 305M	500 5400	Intel 1000	Midnight Plum	Fing	Blue	8-cell	Prem 64 Feb 11	11

- 14.0" HD widescreen, glossy display with LED backlight
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ system with two stereo speakers
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; one-spindle Intel® Core™ i5 processor i5-450M, i5-460M, i5-480M, or i5-560M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Fingerprint Software • Windows Live™ Essential • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Lenovo DirectShare • Lenovo Security Suite • ooVoo™ • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB or 6GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;	
Diskette drive	None	
SATA optical drive	None	
SATA disk	500GB (5400 rpm) or 500GB (7200 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Switchable graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics in processor, and NVIDIA GeForce® 305M, PCI Express® x16, 512MB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Touch controls	GPU switch button, power plan button, and mute button	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 13.3" x 9.3" x 0.8-1.0"; 338mm x 235mm x 21-24.9mm	
Weight ²	8-cell: starting at 4.3 lb (1.95kg)	
Case color	Black top with square weave texture or Midnight Plum with hairline texture, black bottom, and silver palm rest	
Case material	Top and palm rest: PC/ABS with Aluminum cover; bottom: PC/ABS	
Battery - type	Lithium Ion 8-cell	
Battery - life ¹⁰	8-cell: up to 6 hr	
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots, two full size and one half size	
Intel 1000 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8131M	
Audio support	High Definition (HD) Audio, RealTek AD259 codec / stereo speakers (1.5 watt x 2), Dolby® Advanced Audio™ system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	User password, supervisor password, hard disk password, security keyhole	
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor	
		Limited Warranty¹² <ul style="list-style-type: none"> ↔ 1-year parts and labor ↔ Depot repair service¹⁹ ↔ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

US model announced July 28, November 3, December 1, 2010, or February 16, 2011;
US models withdrawn effective November 2010 or December, 2012

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IdeaPad™ U460s (0885) - Switchable (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Switchable graphics	SATA disk	PCIe Mini Card 802.11	Top color	Finger print reader	Blue-tooth	Battery	Win7 preload	Avail date	
0885-25U	i3-330UM	1.20	None	2GBx2	14.0" HD	1.3M	Intel HD, GeF 305M	320GB ⁸	11b/g/n ²⁸	Black	Fing	Blue	8-cell	Prem 64	Jul 10
0885-26U	i3-330UM	1.20	None	2G+1G	14.0" HD	1.3M	Intel HD, GeF 305M	250GB	11b/g/n	Black	Fing	Blue	8-cell	Prem 32	Jul 10

- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; one-spindle</i> Intel® Core™ i3 processor i3-330UM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), Hyper-Threading technology and 3MB cache										Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® 7 Home Premium 32 - <i>Some:</i> Genuine Windows 7 Home Premium 64			
Memory	3GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;										Preloaded applications¹⁴ (only some listed)			
Diskette drive	None										<ul style="list-style-type: none"> • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Fingerprint Software • Windows Live™ Essential • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Lenovo DirectShare • Lenovo Security Suite • ooVoo™ • Microsoft Office 2010 preloaded; purchase product key to activate 			
SATA optical drive	None													
SATA disk	250GB (5400 rpm) or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™													
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio										65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant			
Camera	Camera on top of screen, 1.3-megapixel, fixed focus													
Switchable graphics	Switches between discrete and integrated graphics via graphics mode software Intel HD Graphics in processor, and NVIDIA® GeForce® 305M , PCI Express® x16, 512MB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector										Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button													
Touch controls	GPU switch button, power plan button, and mute button													
Light sensor	Ambient light sensor													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³	<i>(WxDxH):</i> 13.3" x 9.3" x 0.8-1.0"; 338mm x 235mm x 21-24.9mm													
Weight ²	<i>8-cell:</i> starting at 4.3 lb (1.95kg)													
Case color	Black top with square weave texture, black bottom, and silver palm rest													
Case material	<i>Top and palm rest:</i> PC/ABS with Aluminum cover; <i>bottom:</i> PC/ABS													
Battery - type	Lithium Ion 8-cell													
Battery - life ¹⁰	<i>8-cell:</i> up to 8 hr													
Chipset	Mobile Intel HM55 Express Chipset													
ExpressCard/34	None													
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Three PCIe Mini Card slots, two full size and one half size													
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® or Atheros® chip													
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface													
Modem	None													
Ethernet	Gigabit ethernet, Atheros® AR8131M													
Audio support	High Definition (HD) Audio, RealTek AD259 codec / stereo speakers (1.5 watt x 2), Dolby® Advanced Audio™ system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)													
Security	User password, supervisor password, hard disk password, security keyhole													
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor													

See footnotes for important warranty information
 US models announced July 28, 2010
 US models withdrawn effective December, 2012

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Lenovo IdeaPad U550



Lenovo IdeaPad U550



Lenovo IdeaPad U550



Lenovo IdeaPad U550 cover



Lenovo IdeaPad U550



Lenovo IdeaPad U550
Lightweave pattern cover

IdeaPad™ U550 (3749) - GMA (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Finger print reader	Blue-tooth	Battery	Win 7 preload	Avail date
3749-5EU	SU4100	1.30	3GB	15.6" HD	1.3M	GMA 4500MHD	250GB ⁸	DVD±RW	Intel 5100 ²⁸	Black Fing	Blue	6-cell	Prem 32	Oct 09
3749-54U	SU4100	1.30	4GB	15.6" HD	1.3M	GMA 4500MHD	250GB	DVD±RW	Intel 5100	Black Fing	Blue	6-cell	Prem 32	Oct 09
3749-59U	SU7300	1.30	4GB	15.6" HD	1.3M	GMA 4500MHD	320GB	DVD±RW	Intel 5100	Black Fing		6-cell	Prem 64	Oct 09
3749-5BU	SU4100	1.30	3GB	15.6" HD	1.3M	GMA 4500MHD	250GB	DVD±RW	11b/g ¹¹	Black Fing		6-cell	Prem 32	Apr 10

- **15.6" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Sound Room™ premium audio system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Pentium® processor SU4100 with ultra low voltage, dual-core , 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo processor SU7300 with ultra low voltage, dual-core , 800MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® 7 Home Premium 32 - <i>Some:</i> Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Fingerprint Software • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	3GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available;	
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in 250GB (5400 rpm) or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, not removable	
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45, External monitor support via analog VGA DB-15 connector / digital HDMI connector; Maximum external resolution: 2048x1536@75Hz (VGA)	
Keyboard Numeric keypad Light sensor Touch pad	Full-size keyboard, 6-row, multimedia Fn keys, recovery button Numeric keypad on right of keyboard Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(<i>WxDxH</i>): 14.8" x 9.9" x 0.9-1.2"; 377mm x 251mm x 24~29.4mm <i>6-cell</i> : starting at 5.3 lb (2.4kg) Black top with square weave texture, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell <i>6-cell</i> : up to 6 hr	
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF) (SATA 3Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34 Multicard reader	None 4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)	
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner PCIe Mini Card 11b/g ¹¹ Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two Mini PCI Express slots <i>Some:</i> 11b/g wireless ⁴ , PCIe Mini Card, Broadcom® BCM4312 <i>Some:</i> 11a/b/g/n wireless ⁴ , PCIe Mini Card, Intel WiFi Link 5100, 1x2 (Shirley Peak) <i>Some:</i> Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator None Gigabit ethernet, Atheros® AR8131 High Definition (HD) Audio, RealTek AD269 codec / two stereo speakers (1.5 watt), Dolby® Home Sound Room™ audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Fingerprint reader on palm rest, swipe sensor	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US model announced October 22, 2009 or April 7, 2010;
 US models withdrawn effective December, 2012

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 (URL2-1) December 2012

IdeaPad™ U550 (3749) - Switchable (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Switchable graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Finger print reader	Blue-tooth	Battery	Win 7 preload	Avail date
3749-55U	SU7300	1.30	4GB	15.6" HD	1.3M	GMA, HD4330	320GB ⁸	DVD±RW	Intel 5100 ²⁸	Black	Fing	Blue	6-cell	Prem 64	Oct 09

- 15.6" HD widescreen, glossy display with LED backlight
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Home Sound Room™ premium audio system with two stereo speakers
- HDMI port, HDCP-compliant
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor SU7300 with ultra low voltage, dual-core, 800MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64
Memory	4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available;	Preloaded applications ¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Fingerprint Software • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, not removable	
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus	
Switchable graphics	Dynamic switching between discrete and integrated graphics (user selectable), Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45, and ATI™ Mobility Radeon™ HD 4330 , PCI Express® x16, 512MB memory, DirectX® 10.1, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard Numeric keypad Light sensor Touch pad	Full-size keyboard, 6-row, multimedia Fn keys, recovery button Numeric keypad on right of keyboard Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.8" x 9.9" x 0.9-1.2"; 377mm x 251mm x 24~29.4mm 6-cell: starting at 5.3 lb (2.4kg) Black top with square weave texture, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell 6-cell: Up to 4 hr (discrete graphics); up to 6 hr (integrated graphics)	65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF) (SATA 3Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34 Multicard reader	None 4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)	Limited Warranty ¹² ⇒ 1-year parts and labor ⇒ Depot repair service ¹⁹ ⇒ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator None Gigabit ethernet, Atheros® AR8131 High Definition (HD) Audio, RealTek AD269 codec / two stereo speakers (1.5 watt), Dolby® Home Sound Room™ audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Power-on password, hard disk password, supervisor password, security keyhole	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Fingerprint reader on palm rest, swipe sensor	

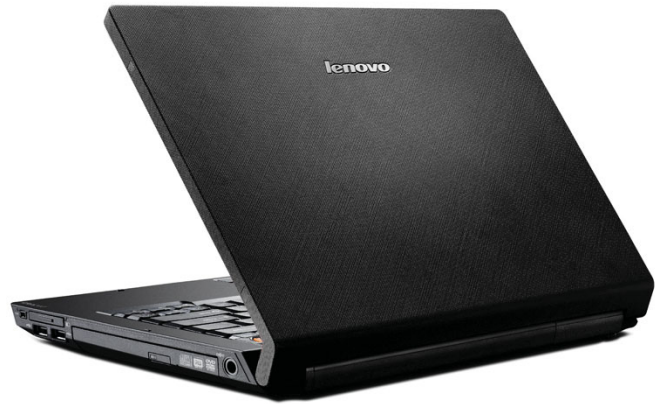
See footnotes for important warranty information
US model announced October 22, 2009
US model withdrawn effective December, 2012

Intel Centrino® 2 processor technology

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Lenovo IdeaPad Y430



Lenovo IdeaPad Y430



Lenovo IdeaPad Y430



Lenovo IdeaPad Y430



Lenovo IdeaPad Y430



Lenovo IdeaPad Y430

Part number	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	ENERGY STAR 5.0	Vista preload	Avail date
59015967	T3200	2.00	2GB DDR2	14.1" WXGA		Cam	GMA	160GB ⁸	DVD±RW	Intel 5100 ²⁸	Black	None	Prem 32	Oct 08
59015954	T3200	2.00	2GB DDR2	14.1" WXGA		Cam	GMA	160GB	DVD±RW	Intel 5100	Black	None	Prem 32	Dec 08
59016011	T3200	2.00	2GB DDR2	14.1" WXGA		Cam	GMA	250GB	DVD±RW	Intel 5100	Black	None	Prem 32	Nov 08
59015974	T3200	2.00	3GB DDR2	14.1" WXGA		Cam	GMA	160GB	DVD±RW	Intel 5100	Black	None	Prem 32	Oct 08
59018804	T3400	2.16	4GB DDR3	14.1" WXGA	LED	Cam	GMA	250GB	DVD±RW	Intel 5100	Black	None	Prem 64	Apr 09
59018800	T3400	2.16	4GB DDR3	14.1" WXGA	LED	Cam	GMA	250GB	DVD±RW	Intel 5100	Black	None	Prem 64	Apr 09
59018801	T3400	2.16	4GB DDR3	14.1" WXGA	LED	Cam	GMA	250GB	DVD±RW	Intel 5100	Black	None	Prem 64	May 09
59016751	T5800	2.00	4GB DDR2	14.1" WXGA		Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	Prem 64	Oct 08
59016838	T5800	2.00	4GB DDR2	14.1" WXGA		Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	Prem 64	Nov 08
59016785	T5800	2.00	4GB DDR2	14.1" WXGA		Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	Prem 64	Nov 08
59018213	T6400	2.00	4GB DDR3	14.1" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	Prem 64	Mar 09
59018216	T6400	2.00	4GB DDR3	14.1" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	Prem 64	May 09
59018214	T6400	2.00	4GB DDR3	14.1" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	Prem 64	May 09

- 14.1" widescreen, glossy display
- Light Weave textured cover
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater® premium audio system with two speakers and one subwoofer
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- OneKey silence mode provides quieter operation through a touch-sensitive control button

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® processor T3200 or T3400 with dual-core, 667MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5800 or T6400 with dual-core, 800MHz system bus, and 2MB L2 cache	Preloaded operating system²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • Carbonite Online Backup • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ <i>Italics:</i> standard memory in both sockets; no sockets available <i>Some:</i> PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Some:</i> PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive SATA DVD±RW SATA disk	None (use optional USB-based diskette drive) DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	14.1" (358.1mm) WXGA (1280x800) TFT color, VibrantView (glossy), <i>Some:</i> CCFL backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio <i>Some:</i> LED backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content	
Keyboard Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, recovery key Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 13.1" x 9.5" x 1.0" to 1.5"; 334mm x 241mm x 26 to 38mm with optical drive and battery: 6-cell: 5.2 lb (2.35 kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell, 5200 mAh, smart battery Up to 5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™ Modem	None 56K V.92 ⁶ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	High Definition (HD) Audio, Conexant 20561 codec / two main speakers (2 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	
	65-watt AC adapter Wireless on/off switch RoHS-compliant	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
	Available at these retailers • B&H™ • J&R™ • TigerDirect • Amazon.com • Supercom (Canada)	

See footnotes for important warranty information * Intel Centrino® processor technology
US models announced October 22, November 12, or December 10, 2008, or March 17, April 7 or May 6, 2009
US models withdrawn effective September 2009

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	ENERGY STAR 5.0	Vista preload	Avail date
2781-74U	T3200	2.00	2GB	14.1" WXGA		Cam	GMA	250GB ⁸	DVD±RW	Intel 5100 ²⁸	Black	None	Prem 32	Nov 08
2781-82U	T3400	2.16	2GB	14.1" WXGA	LED	Cam	GMA	160GB	DVD±RW	* Intel 5100	Black	None	Prem 32	Feb 09
2781-83U	T3400	2.16	2GB	14.1" WXGA	LED	Cam	GMA	320GB	DVD±RW	* Intel 5100	Black	None	Prem 32	Feb 09
2781-84U	T3400	2.16	3GB	14.1" WXGA	LED	Cam	GMA	320GB	DVD±RW	* Intel 5100	Black	None	Prem 32	Feb 09
2781-73U	T5800	2.00	3GB	14.1" WXGA		Cam	GMA	250GB	DVD±RW	* Intel 5100	Black	None	Prem 32	Sep 08
2781-86U	T6400	2.00	3GB	14.1" WXGA	LED	Cam	GMA	320GB	DVD±RW	* Intel 5100	Black	None	Prem 32	Feb 09
2781-7AU	T6400	2.00	4GB	14.1" WXGA	LED	Cam	GMA	250GB	DVD±RW	* Intel 5100	Black	None	Prem 64	Jan 09
2781-87U	T6400	2.00	4GB	14.1" WXGA	LED	Cam	GMA	320GB	DVD±RW	* Intel 5100	Black	None	Prem 64	Feb 09

- 14.1" widescreen, glossy display
- Light Weave textured cover
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater® premium audio system with two speakers and one subwoofer
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- OneKey silence mode provides quieter operation through a touch-sensitive control button

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® processor T3200 or T3400 with dual-core, 667MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5800 or T6400 with dual-core, 800MHz system bus, and 2MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ ; <i>Italics:</i> standard memory in both sockets; no sockets available <i>73U/74U:</i> PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Others:</i> PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	◇ Vista Premium logo Preloaded applications ¹⁴ (only some listed) • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • Carbonite Online Backup • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Diskette drive SATA DVD±RW SATA disk	None (use optional USB-based diskette drive) DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	14.1" (358.1mm) WXGA (1280x800) TFT color, VibrantView (glossy), <i>Some:</i> CCFL backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio <i>Some:</i> LED backlight , 200 nits, 16:10 aspect ratio, 400:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content	
Keyboard Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, recovery key Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 13.1" x 9.5" x 1.0" to 1.5"; 334mm x 241mm x 26 to 38mm with optical drive and battery: 6-cell: 5.2 lb (2.35 kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell , 5200 mAh, smart battery Up to 5 hr	Available at these retailers • lenovo.com
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	65-watt AC adapter Wireless on/off switch RoHS-compliant
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	Limited Warranty ¹² ⇨ 1-year parts and labor depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None 56K V.92 ⁶ modem 10/100 ethernet, Broadcom® BCM5906M, PCI 2.3 High Definition (HD) Audio, Conexant 20561 codec / two main speakers (2 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information
US models announced September 9 or November 12, 2008 or January 13 or February 24, 2009
US models withdrawn effective September 2009

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	ENERGY STAR 5.0	Vista preload	Avail date
2781-89U	P7450	2.13	4GB	14.1" WXGA	LED	Cam	9300M GS	320GB ⁸	DVD±RW	✦ Intel 5100 ²⁸	Black	None	Prem 64	Feb 09

- **14.1" widescreen, glossy display**
- **Light Weave textured cover**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Dolby® Home Theater® premium audio system with two speakers and one subwoofer**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **OneKey silence mode provides quieter operation through a touch-sensitive control button**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor P7450 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® Vista® Home Premium 64 ✦ Vista Premium logo Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • Carbonite Online Backup • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None (use optional USB-based diskette drive)	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	14.1" (358.1mm) WXGA (1280x800) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:10 aspect ratio, 400:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Discrete graphics	NVIDIA® GeForce® 9300M GS , PCI Express® x16, 256MB memory, DirectX® 10, PureVideo® HD technology, VGA, HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, recovery key	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(<i>WxDxH</i>): 13.1" x 9.5" x 1.0" to 1.5"; 334mm x 241mm x 26 to 38mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.2 lb (2.35 kg)	
Case color	Black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 5200 mAh, smart battery	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel PM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	90-watt AC adapter Wireless on/off switch RoHS-compliant
ExpressCard/54	One slot (ExpressCard/34, ExpressCard/54)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	None	
Modem	56K V.92 ⁶ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	High Definition (HD) Audio, Conexant 20561 codec / two main speakers (2 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model announced February 24, 2009
US models withdrawn effective September 2009

✦ Intel Centrino® 2 processor technology

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Lenovo IdeaPad Y450



Lenovo IdeaPad Y450



Lenovo IdeaPad Y450



Lenovo IdeaPad Y450



Lenovo IdeaPad Y450



Lenovo IdeaPad Y450

IdeaPad™ Y450 (GMA) - withdrawn

Part Number	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
59019444	T6400	2.00	4GB	14.0" WXGA	LED	Cam	GMA	320GB ⁸	DVD±RW	* Intel 5100 ²⁸	Black	None	ES50	Prem 64	Apr 09

- **14.0" widescreen, glossy display with LED backlight**
- **Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor T6400 with dual-core, 800MHz system bus, and 2MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® Vista® Home Premium 64 ↗ Vista Premium logo Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;	
Diskette drive	None (use optional USB-based diskette drive)	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content	
Keyboard	Full-size keyboard, 6-row, 84-key	
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key, recovery key, mute, volume up, volume down button	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	<i>(WxDxH):</i> 13.4" x 9.1" x 0.8" to 1.4"; 340mm x 232mm x 21mm to 34.8mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 4.63 lb (2.1 kg)	
Case color	Black top with engraved pattern, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, IEEE 1394 FireWire 400 (4-pin connector)	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, user password, supervisor password, security lockhole	
Fingerprint reader	None	
		65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
		Limited Warranty¹² ↗ 1-year parts and labor ↗ Depot repair service¹⁹ ↗ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ↗ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US models announced April 22, 2009
 US models withdrawn effective July 2009

* Intel Centrino® processor technology

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Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
4189-34U	T3400	2.16	3GB	14.0" WXGA	LED	1.3M	GMA	160GB ⁸	DVD±RW	Intel 5100 ²⁸	Black		ES50	Prem 32	Apr 09
4189-32U	T4200	2.00	2GB	14.0" WXGA	LED	1.3M	GMA	160GB	DVD±RW	Intel 5100	Black		ES50	Prem 32	Apr 09
4189-35U	T4200	2.00	3GB	14.0" WXGA	LED	1.3M	GMA	250GB	DVD±RW	Intel 5100	Black		ES50	Prem 32	Apr 09
4189-7GU	T4200	2.00	4GB	14.0" WXGA	LED	1.3M	GMA	250GB	DVD±RW	Intel 5100	Black		ES50	Prem 64	Oct 09
4189-67U	T4300	2.10	3GB	14.0" WXGA	LED	1.3M	GMA	250GB	DVD±RW	Intel 5100	Black	Blue	ES50	Prem 32	Dec 09
4189-36U	T6400	2.00	3GB	14.0" WXGA	LED	1.3M	GMA	250GB	DVD±RW	* Intel 5100	Black		ES50	Prem 32	Apr 09
4189-38U	T6400	2.00	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	* Intel 5100	Black		ES50	Prem 64	Apr 09
4189-7HU	T6400	2.00	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	* Intel 5100	Black		ES50	Prem 64	Oct 09
4189-63U	T6500	2.10	3GB	14.0" WXGA	LED	1.3M	GMA	250GB	DVD±RW	* Intel 5100	Black		ES50	Prem 32	Aug 09
4189-7AU	T6500	2.10	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	* Intel 5100	Black		ES50	Prem 64	Aug 09
4189-64U	T6500	2.10	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	* Intel 5100	Black		ES50	Prem 64	Aug 09
4189-2AU	T6500	2.10	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	* Intel 5100	Black		ES50	Prem 64	Aug 09
4189-2BU	T6500	2.10	4GB	14.0" WXGA	LED	1.3M	GMA	500GB	DVD±RW	* Intel 5100	Black		ES50	Prem 64	Aug 09
4189-2CU	P7350	2.00	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	⚡ Intel 5100	Black		ES50	Prem 64	Aug 09
4189-2DU	P7350	2.00	4GB	14.0" WXGA	LED	1.3M	GMA	500GB	DVD±RW	⚡ Intel 5100	Black		ES50	Prem 64	Aug 09

- 14.0" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two stereo speakers
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® processor T3400, T4200, or T4300 with dual-core, 1MB L2 cache, T3400: 667MHz system bus; T4200/T4300: 800MHz system bus or Intel Core™ 2 Duo processor T6400 or T6500 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7350 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64 ⚡ Vista Premium logo
Memory	2GB, 3GB, or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;	Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader® • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software
Diskette drive	None	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in	
SATA disk	160GB, 250GB, 320GB, or 500GB / SATA 3.0Gb/s, 9.5mm high, 5400 rpm	
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content	
Keyboard	Full-size keyboard, 6-row, 84-key, recovery key	
Touch controls	Lenovo Desktop Navigator, OneKey Theater, Dolby control center key, mute, volume up, and volume down buttons	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.1" x 0.8" to 1.4"; 340mm x 232mm x 21mm to 34.8mm	
Weight ²	with optical drive and battery: 6-cell: 4.63 lb (2.1 kg)	
Case color	Black top with engraved pattern, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	Limited Warranty ¹² ⚡ 1-year parts and labor ⚡ Depot repair service ¹⁹ ⚡ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⚡ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Three USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, IEEE 1394 FireWire 400 (4-pin connector)	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack / SPDIF-out (stereo, 3.5 mm)	
Security	Hard disk password, user password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

* Intel Centrino® processor technology
⚡ Intel Centrino 2 processor technology

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(KTW1-1) July 2010

US models announced April 22, August 19, September 30, or December 17, 2009
US models withdrawn effective July 2010

IdeaPad™ Y450 (4189) - GMA (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Win7 preload	Avail date
4189-6LU	T4300	2.10	3GB	14.0" WXGA	LED	1.3M	GMA	250GB ⁸	DVD±RW	Intel 5100 ²⁸	Black		ES50	Prem 64	Oct 09
4189-6GU	T4300	2.10	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	Intel 5100	Black	Blue	ES50	Prem 64	Oct 09
4189-6FU	T6600	2.20	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	* Intel 5100	Black		ES50	Prem 64	Oct 09
4189-6AU	T6600	2.20	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	* Intel 5100	Black	Blue	ES50	Prem 64	Oct 09
4189-6EU	T6600	2.20	4GB	14.0" WXGA	LED	1.3M	GMA	500GB	DVD±RW	* Intel 5100	Black		ES50	Prem 64	Oct 09
4189-69U	P7450	2.13	4GB	14.0" WXGA	LED	1.3M	GMA	320GB	DVD±RW	⚡ Intel 5100	Black		ES50	Prem 64	Oct 09
4189-68U	P7450	2.13	4GB	14.0" WXGA	LED	1.3M	GMA	500GB	DVD±RW	⚡ Intel 5100	Black		ES50	Prem 64	Oct 09

- 14.0" widescreen, glossy display with LED backlight
- **Lenovo® Desktop Navigator** easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- **Integrated 1.3 megapixel camera** and **Lenovo's VeriFace** face recognition software helps control access to your notebook by recognizing your face.
- **Touch pad** supports multi-touch function (pinch, expansion, chiral motion)
- **Dolby® Home Theater®** premium audio system with two stereo speakers
- **Lenovo Rescue System** provides **OneKey™** recovery and **OneKey Antivirus** without booting into Windows
- **OneKey Theater** allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning	<i>Widescreen flexibility; two-spindle</i>										Preloaded operating system ²⁰				
Processor	Intel® Pentium® Processor T4300 with dual-core, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T6600 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7450 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache										- Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee VirusScan® Plus 2009 (30 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software 				
Memory	3GB or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;														
Diskette drive	None														
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in														
SATA disk	250GB, 320GB, or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high														
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator														
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content														
Keyboard	Full-size keyboard, 6-row, 84-key														
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key recovery key, mute, volume up, volume down button														
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch														
Dimensions ³	(WxDxH): 13.4" x 9.1" x 0.8" to 1.4"; 340mm x 232mm x 21mm to 34.8mm														
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.63 lb (2.1 kg)														
Case color	Black top with engraved pattern, black bottom														
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic														
Battery - type	Lithium Ion 6-cell										65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant				
Battery - life ¹⁰	Up to 4.5 hr														
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)														
ExpressCard/34	One slot (ExpressCard/34)														
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)														
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, IEEE 1394 FireWire 400 (4-pin connector)														
TV tuner	None										Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686				
Mini PCI Express	Two Mini PCI Express slots														
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)														
Bluetooth™	<i>Some:</i> Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator														
Modem	None														
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1														
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)														
Security	Hard disk password, user password, supervisor password, security lockhole														
Fingerprint reader	None														

See footnotes for important warranty information
 US models announced October 23, 2009;
 US models withdrawn effective July 2010

* Intel Centrino® processor technology
 ⚡ Intel Centrino 2 processor technology

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Type-model	Pro-cessor	GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
4189-39U	P7450	2.13	4GB	14.0" WXGA	LED	Cam	G110M	320GB ⁸	DVD±RW	⇧ Intel 5100 ²⁸	Black	Blue	ES50	Prem 64	Apr 09
4189-7KU	P7450	2.13	4GB	14.0" WXGA	LED	Cam	G110M	320GB	DVD±RW	⇧ Intel 5100	Black	Blue	ES50	Prem 64	Oct 09
4189-66U	P8700	2.53	4GB	14.0" WXGA	LED	Cam	GT 130M	320GB	DVD±RW	⇧ Intel 5100	Black	Blue	ES50	Prem 64	Aug 09

- 14.0" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two stereo speakers
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor P7450 or P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache										Preloaded operating system ²⁰ - Genuine Windows® Vista® Home Premium 64 ⇧ Vista Premium logo				
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available										Preloaded applications ¹⁴ (only some listed)				
Diskette drive	None										<ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software 				
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, slot-in														
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable														
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator										90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant				
Discrete graphics	Some: NVIDIA® GeForce® G110M, PCI Express® x16, 256MB memory, DirectX® 10, PureVideo® HD technology, VGA, HDMI, HDCP-compliant Some: NVIDIA GeForce GT 130M, PCI Express x16, 512MB memory, DirectX 10, PureVideo HD technology, CUDA® technology, VGA, HDMI, HDCP-compliant														
Keyboard	Full-size keyboard, 6-row, 84-key										Limited Warranty ¹² ⇧ 1-year parts and labor ⇧ Depot repair service ¹⁹ ⇧ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇧ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686				
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key, recovery key, mute, volume up, volume down button														
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch														
Dimensions ³	(WxDxH): 13.4" x 9.1" x 0.8" to 1.4"; 340mm x 232mm x 21mm to 34.8mm														
Weight ²	with optical drive and battery: 6-cell: 4.63 lb (2.1 kg)														
Case color	Black top with engraved pattern, black bottom														
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic														
Battery - type	Lithium Ion 6-cell														
Battery - life ¹⁰	Up to 3.5 hr														
Chipset	Mobile Intel PM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)														
ExpressCard/34	One slot (ExpressCard/34)														
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)														
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, IEEE 1394 FireWire 400 (4-pin connector)														
TV tuner	None														
Mini PCI Express	Two Mini PCI Express slots														
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)														
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator														
Modem	None														
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1														
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)														
Security	Hard disk password, user password, supervisor password, security lockhole														
Fingerprint reader	None														

See footnotes for important warranty information ⇧ Intel Centrino® 2 processor technology
 US models announced April 22, August 19, or September 30, 2009
 US models withdrawn effective July 2010

IdeaPad™ Y450 (4189) - NVIDIA (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Win7 preload	Avail date
4189-6HU	P8700	2.53	4GB	14.0" WXGA	LED	1.3M	GT 240M	320GB ⁸	DVD±RW	✦ Intel 5100 ²⁸	Black	Blue	ES50	Prem 64	Oct 09

- **14.0" widescreen, glossy display with LED backlight**
- **Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • Lenovo ReadyComm • McAfee VirusScan® Plus 2009 (30 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software
Diskette drive	None	90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® GeForce® GT 240M , PCI Express x16, 512MB memory, DirectX 10.1, PureVideo® HD technology, CUDA™ technology, VGA, HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, 84-key	
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key, recovery key, mute, volume up, volume down button	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	<i>(WxDxH):</i> 13.4" x 9.1" x 0.8" to 1.4"; 340mm x 232mm x 21mm to 34.8mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 4.63 lb (2.1 kg)	
Case color	Black top with engraved pattern, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel PM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, IEEE 1394 FireWire 400 (4-pin connector)	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / two stereo speakers (1.5 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, user password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model announced October 23, 2009
US models withdrawn effective July 2010

✦ Intel Centrino® 2 processor technology

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Lenovo IdeaPad Y460



Lenovo IdeaPad Y460



Lenovo IdeaPad Y460



Lenovo IdeaPad Y460



Lenovo IdeaPad Y460



Lenovo IdeaPad Y460

Type-model	Pro-processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
0633-47U	i3-330M	2.13	4GB	14.0" HD	LED	1.3M	Intel HD	320GB ⁸	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Mar 10
0633-4DU	i3-350M	2.26	4GB	14.0" HD	LED	1.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Nov 10
0633-4FU	i3-370M	2.40	4GB	14.0" HD	LED	1.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Nov 10
0633-4EU	i3-370M	2.40	3GB	14.0" HD	LED	1.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 32	Dec 10

- 14.0" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M, i3-350M, or i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64
Memory	3GB or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav
Diskette drive	None	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
SATA optical	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Lenovo SlideNav bar, Power on, OneKey Theater, and Energy Management keys mute, volume up, volume down buttons	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.3" x 0.8" to 1.3"; 340mm x 235mm x 20mm to 32.8mm	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.71 lb (2.1 kg)	
Case color	Black top with engraved pattern, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4 hr	
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US models announced February 16, November 3, or December 1, 2010
 US models withdrawn effective November 2011

IdeaPad™ Y460 (0633) - Switchable - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Switchable graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0633-42U	i3-330M	2.13	4GB	14.0" WXGA	LED	1.3M	Intel HD, HD 5650	500GB ⁸	DVD±RW	Intel 1000	Black	None	Prem 64	Mar 10
0633-44U	i5-430M	2.26 2.53	4GB	14.0" WXGA	LED	1.3M	Intel HD, HD 5650	500GB	DVD±RW	Intel 1000	Black	None	Prem 64	Mar 10

- 14.0" widescreen, glossy display with LED backlight
- Dynamic switching between discrete and integrated graphics (user selectable)
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-430M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav			
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available										90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant			
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high													
Widescreen display Camera	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator										Limited Warranty¹² ⇒ 1-year parts and labor Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Switchable graphics	Switches between discrete and integrated graphics via graphic switch Intel HD Graphics in processor, and ATI™ Mobility Radeon™ HD 5650 , PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant													
Keyboard Touch controls	Full-size keyboard, 6-row, recovery key Lenovo SlideNav bar, Power on, OneKey Theater, and Energy Management keys mute, volume up, volume down buttons													
Light sensor Touch pad	Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 13.4" x 9.3" x 0.8" to 1.3"; 340mm x 235mm x 20mm to 32.8mm with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg) Black top with engraved pattern, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 3.5 hr													
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner PCIe Mini Card Intel 1000 Bluetooth™ Modem Ethernet Audio support	None Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 None None Gigabit ethernet, Broadcom® BCM57780, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)													
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None													

See footnotes for important warranty information
US models announced March 11, 2010
US models withdrawn effective November 2011

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IdeaPad™ Y460 (0633) - Switchable (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Switchable graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0633-46U	i5-520M	2.40	2.93	4GB	14.0" HD	LED	1.3M Intel HD, HD 5650	500GB ⁸	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0633-4GU	i5-460M	2.53	2.80	4GB	14.0" HD	LED	1.3M Intel HD, HD 5650	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0633-4HU	i5-560M	2.66	3.20	4GB	14.0" HD	LED	1.3M Intel HD, HD 5650	500GB	Blu-ray	Intel 1000	Black	Blue	Prem 64	Nov 10
0633-4JU	i5-460M	2.53	2.80	4GB	14.0" HD	LED	1.3M Intel HD, HD 5650	750GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10
0633-4LU	i5-480M	2.66	2.93	4GB	14.0" HD	LED	1.3M Intel HD, HD 5650	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Feb 11

- 14.0" widescreen, glossy display with LED backlight
- Dynamic switching between discrete and integrated graphics (user selectable)
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5 processor i5-460M, i5-480M, i5-520M, or i5-560M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Switchable graphics	Switches between discrete and integrated graphics via graphic switch Intel HD Graphics in processor, and ATI Mobility Radeon™ HD 5650, PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Lenovo SlideNav bar, Power on, OneKey Theater, and Energy Management keys, mute, volume up, volume down buttons	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.3" x 0.8" to 1.3"; 340mm x 235mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: 6-cell: 4.85lb (2.2 kg)	
Case color	Black top with engraved pattern, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Power-on password, hard disk password, supervisor password,, security lockhole	
Fingerprint reader	None	
		90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information
 US models announced February 16, November 3, or December 1, 2010 or February 16, 2011
 US models withdrawn effective November 2011

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 (GL1-2) November 2011

Type-model	Pro-cessor	Max turbo GHz	Max turbo (GHz)	Memory	Widescreen or display	CCFL or LED	Discrete graphics	SATA disk GB ³	rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
4395-22U	i3-2310M	2.10		2GBx2	14.0" HD	LED	HD 6550M	500GB	5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Jan 11
4395-23U	i5-2410M	2.30	2.90	2+4GB	14.0" HD	LED	HD 6550M	500GB	5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Jan 11
4395-24U	i7-2630QM	2.00	2.90	4GBx2	14.0" HD	LED	HD 6550M	750GB	5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Jan 11
4395-25U	i7-2630QM	2.00	2.90	4GBx2	14.0" HD	LED	HD 6550M	750GB	5400	32GB	Blu-ray	Intel 1000	Black	Blue	Prem 64	Jan 11
4395-27U	i7-2630QM	2.00	2.90	4GBx2	14.0" HD	LED	HD 6550M	500GB	7200		Blu-ray	Intel 1000	Black	Blue	Prem 64	Feb 11
4395-28U	i7-2630QM	2.00	2.90	4GBx2	14.0" HD	LED	HD 6550M	500GB	7200		DVD±RW	Intel 1000	Black	Blue	Prem 64	Feb 11
4395-26U	i7-2630QM	2.00	2.90	4GBx2	14.0" HD	LED	HD 6550M	500GB	5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	May 11
4395-2BU	i7-2630QM	2.00	2.90	4GBx2	14.0" HD	LED	HD 6550M	500GB	7200		Blu-ray	Intel 1000	Black	Blue	Prem 64	May 11
4395-29U	i7-2630QM	2.00	2.90	4GBx2	14.0" HD	LED	HD 6550M	750GB	5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	May 11
4395-2CU	i7-2630QM	2.00	2.90	4GBx2	14.0" HD	LED	HD 6550M	500GB	7200		DVD±RW	Intel 1000	Black	Blue	Prem 64	May 11
4395-2EU	i3-2310M	2.10		2GBx2	14.0" HD	LED	HD 6550M	500GB	5400		Blu-ray	Intel 1000	Black	Blue	Prem 64	Sep 11
4395-2DU	i3-2310M	2.10		2+4GB	14.0" HD	LED	HD 6550M	500GB	5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Sep 11
4395-2FU	i3-2310M	2.10		4GBx2	14.0" HD	LED	HD 6550M	500GB	5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 11

- **14.0" widescreen, glossy display with LED backlight**
- **Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare • Lenovo SlideNav
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
mSATA™ SSD	Some: 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	AMD Radeon™ HD 6550M Graphics , PCI Express® x16, 1GB memory, DirectX® 11, VGA connector, HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Lenovo SlideNav bar, Power on, OneKey Theater, and Energy Management keys, mute, volume up, volume down buttons	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.3" x 0.8" to 1.3"; 340mm x 235mm x 20mm to 33.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85lb (2.2 kg)	
Case color	Black top with hairline texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	Dual-core models: 90-watt AC adapter Quad-core models: 120-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced January 12, February 16, May 18, September 1, or November 23, 2011

US model(s) withdrawn effective March 2013



Lenovo IdeaPad Y550



Lenovo IdeaPad Y550



Lenovo IdeaPad Y550



Lenovo IdeaPad Y550



Lenovo IdeaPad Y550



Lenovo IdeaPad Y550

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
4186-48U	T4200	2.00	2GB	15.6" WXGA	LED	Cam	GMA	250GB ⁸	DVD±RW	Intel 5100 ²⁸	Black	None		Prem 32	May 09
4186-46U	T4200	2.00	4GB	15.6" WXGA	LED	Cam	GMA	320GB	DVD±RW	Intel 5100	Black	None		Prem 64	May 09
4186-45U	T6400	2.00	3GB	15.6" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	ES50	Prem 32	May 09
4186-44U	T6400	2.00	4GB	15.6" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	ES50	Prem 64	May 09
4186-5DU	T6500	2.10	4GB	15.6" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	ES50	Prem 64	Aug 09
4186-75U	T6500	2.10	4GB	15.6" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	ES50	Prem 64	Aug 09
4186-55U	T6500	2.10	4GB	15.6" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	ES50	Prem 64	Aug 09
4186-56U	T6500	2.10	4GB	15.6" WXGA	LED	Cam	GMA	500GB	DVD±RW *	Intel 5100	Black	None	ES50	Prem 64	Aug 09
4186-58U	P7350	2.00	4GB	15.6" WXGA	LED	Cam	GMA	320GB	DVD±RW †	Intel 5100	Black	None	ES50	Prem 64	Aug 09
4186-79U	P7350	2.00	4GB	15.6" WXGA	LED	Cam	GMA	500GB	DVD±RW †	Intel 5100	Black	None	ES50	Prem 64	Aug 09
4186-59U	P7350	2.00	4GB	15.6" WXGA	LED	Cam	GMA	500GB	DVD±RW †	Intel 5100	Black	None	ES50	Prem 64	Aug 09

- 15.6" widescreen, glossy display with LED backlight
- **Lenovo® Desktop Navigator** easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- **Integrated 1.3 megapixel camera** and **Lenovo's VeriFace** face recognition software helps control access to your notebook by recognizing your face.
- **Touch pad** supports multi-touch function (pinch, expansion, chiral motion)
- **Dolby® Home Theater®** premium audio system with two stereo speakers and one subwoofer
- **Lenovo Rescue System** provides **OneKey™** recovery and **OneKey Antivirus** without booting into Windows
- **OneKey Theater** allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® Processor T4200 with dual-core, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T6400 or T6500 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7350 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64 ◇ Vista Premium logo
Memory	2GB, 3GB, or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; 1 socket available	Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo Desktop Navigator software
Diskette drive	None	Available at these retailers • lenovo.com
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in	
SATA disk	250GB, 320GB, or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	15.6" (396.2mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content	
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down button	
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 1.02" to 1.5"; 385mm x 255mm x 26mm to 37mm	
Weight ²	with optical drive and battery: 6-cell: 6.06 lb (2.75 kg)	
Case color	Black top, black bottom	Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR	
TV tuner	None	
Mini PCI Express	Three Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two stereo speakers (2 watt) and subwoofer (2 watt), Dolby® Home Theater® Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, user password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US models announced May 6 or August 19, 2009
US models withdrawn effective October 2009 or December 2010

* Intel Centrino® processor technology
† Intel Centrino 2 processor technology

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Win7 preload	Avail date
4186-5FU	T6600	2.20	4GB	15.6" WXGA	LED	1.3M	GMA	320GB ⁸	DVD±RW	* Intel 5100 ²⁸	Black	None	ES50	Prem 64	Dec 09
4186-5PU	T6600	2.20	4GB	15.6" WXGA	LED	1.3M	GMA	500GB	DVD±RW	* Intel 5100	Black	None	ES50	Prem 64	Dec 09

- 15.6" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two stereo speakers and one subwoofer
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor T6600 with dual-core, 800MHz system bus, and 2MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64-bit
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Media Show • Lenovo Desktop Navigator software
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in 320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Widescreen display Camera	15.6" (396.2mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content	
Keyboard Touch controls Touch pad	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down button Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material	(<i>WxDxH</i>): 15.2" x 10.0" x 1.02" to 1.5"; 385mm x 255mm x 26mm to 37mm with optical drive and battery: <i>6-cell</i> : 6.06 lb (2.75 kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell Up to 4.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34 Multicard reader	One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Two USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR	
TV tuner Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None Gigabit ethernet, Broadcom® BCM5784, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / two stereo speakers (2 watt) and subwoofer (2 watt), Dolby® Home Theater® Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)	
Security Fingerprint reader	Hard disk password, user password, supervisor password, security lockhole None	Limited Warranty ¹² ⇒ 1-year parts and labor ⇒ Depot repair service ¹⁹ ⇒ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information
US models announced December 17, 2009
US models withdrawn effective December 2010

* Intel Centrino® processor technology

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Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
4186-5BU	T6500	2.10	4GB	15.6" WXGA	LED	Cam	GT130M	320GB ⁸	DVD±RW	* Intel 5100 ²⁸	Black		ES50	Prem 64	Aug 09
4186-7CU	P7350	2.00	6GB	15.6" WXGA	LED	Cam	GT130M	500GB	DVD±RW	⚡ Intel 5100	Black		ES50	Prem 64	Aug 09
4186-5EU	P7350	2.00	6GB	15.6" WXGA	LED	Cam	GT130M	500GB	DVD±RW	⚡ Intel 5100	Black		ES50	Prem 64	Aug 09
4186-4AU	P8600	2.40	4GB	15.6" WXGA	LED	Cam	GT130M	500GB	DVD±RW	⚡ Intel 5100	Black	Blue	ES50	Prem 64	May 09
4186-42U	P8700	2.53	4GB	15.6" WXGA	LED	Cam	GT130M	500GB	DVD±RW	⚡ Intel 5100	Black	Blue	ES50	Prem 64	May 09

- 15.6" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two stereo speakers and one subwoofer
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor T6500 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7350, P8600, or P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® Vista® Home Premium 64-bit ⚡ Vista Premium logo
Memory	4GB or 6GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;	Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software
Diskette drive	None	Available at these retailers • lenovo.com
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in	
SATA disk	320GB or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	15.6" (396.2mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® GeForce® GT 130M, PCI Express® x16, 512MB memory, DirectX® 10, PureVideo® HD technology, CUDA® technology, VGA, HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down button	
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 1.02" to 1.5"; 385mm x 255mm x 26mm to 37mm	
Weight ²	with optical drive and battery: 6-cell: 6.06 lb (2.75 kg)	
Case color	Black top, black bottom	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel PM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR	
TV tuner	None	
Mini PCI Express	Three Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two stereo speakers (2 watt) and subwoofer (2 watt), Dolby® Home Theater® Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, user password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US models announced May 6 or August 19, 2009
US models withdrawn effective October 2009 or December 2010

* Intel Centrino® processor technology
⚡ Intel Centrino 2 processor technology

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(BM2-2) December 2010

IdeaPad™ Y550 (4186) - NVIDIA (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Win7 preload	Avail date
4186-5GU	P7450	2.13	4GB	15.6" WXGA	LED	1.3M	GT240M	320GB ⁸	DVD±RW	* Intel 5100 ²⁸	Black	None	ES50	Prem 64	Dec 09

- **15.6" widescreen, glossy display with LED backlight**
- **Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two stereo speakers and one subwoofer**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor P7450 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64-bit Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Media Show • Lenovo Desktop Navigator software
Memory	4GB std / 8GB max ⁷ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	15.6" (396.2mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® GeForce® GT 240M , PCI Express® x16, 1GB memory, DirectX® 10.1, PureVideo® HD technology, CUDA® technology, VGA, HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons	
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(<i>WxDxH</i>): 15.2" x 10.0" x 1.02" to 1.5"; 385mm x 255mm x 26mm to 37mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 6.06 lb (2.75 kg)	
Case color	Black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Two USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR	
TV tuner	None	
Mini PCI Express	Three Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two stereo speakers (2 watt) and subwoofer (2 watt), Dolby® Home Theater® Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack / SPDIF-out (stereo, 3.5 mm)	
Security	Hard disk password, user password, supervisor password, security lockhole	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US model announced December 17, 2009
 US models withdrawn effective December 2010

⇨ Intel Centrino® 2 processor technology

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 (BM2-4) December 2010

Type-model	Pro-cessor	Base (GHz)	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Win7 preload	Avail date
3241-64U	i7-720QM	1.60	2.80	4GB	15.6" HD	LED	1.3M	GT240M	320GB ⁸	DVD±RW	Intel 5100 ²⁸	Black	Blue	Prem 64	Nov 09
3241-62U	i7-820QM	1.73	3.06	4GB	15.6" HD	LED	1.3M	GT240M	500GB	DVD±RW	Intel 5100	Black	Blue	Prem 64	Nov 09

- 15.6" HD widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two stereo speakers and one subwoofer
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning	<i>Widescreen flexibility; two-spindle</i>										Preloaded operating system²⁰			
Processor	Intel® Core™ i7 processor i7-720QM or i7-820QM with quad-core, 2.5GT/s (giga-transfers/second) DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology; i7-720QM: 6MB cache; i7-820QM: 8MB cache										- Genuine Windows® 7 Home Premium 64-bit			
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available										Preloaded applications¹⁴ (only some listed)			
Diskette drive	None										• Lenovo OneKey Recovery			
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in										• Lenovo ReadyComm			
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable										• McAfee VirusScan® Plus (60 days of virus definitions)			
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio										• Easy Capture			
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator										• Adobe® Reader®			
Discrete graphics	NVIDIA® GeForce® GT 240M, PCI Express® x16, 1GB memory, DirectX® 10.1, PureVideo® HD technology, CUDA® technology, VGA, HDMI, HDCP-compliant										• VeriFace™			
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down button										• Lenovo Energy Management Software			
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key										• Cyberlink Power2Go (DVD±RW)			
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch										• Media Show			
Dimensions ³	(WxDxH): 15.2" x 10.0" x 1.02" to 1.5"; 385mm x 255mm x 26mm to 37mm										• Lenovo Desktop Navigator software			
Weight ²	with optical drive and battery: 6-cell: 6.06 lb (2.75 kg)										90-watt AC adapter			
Case color	Black top, black bottom										Wireless on/off switch			
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										EPEAT™ Silver rating			
Battery - type	Lithium Ion 6-cell										ENERGY STAR® 5.0-compliant			
Battery - life ¹⁰	Up to 3.5 hr										RoHS-compliant			
Chipset	Mobile Intel PM55 Express Chipset										Limited Warranty¹²			
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)										↪ 1-year parts and labor			
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR										↪ Depot repair service ¹⁹			
TV tuner	None										↪ Service upgrade options (in eligible locations): ⁹			
Mini PCI Express	Three Mini PCI Express slots										• 1-year Onsite with accidental damage protection 78Y1533			
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)										• 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540			
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator										• 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541			
Modem	None										↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
Ethernet	Gigabit ethernet, Broadcom® 57780, PCIe x1													
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two stereo speakers (2 watt) and subwoofer (2 watt), Dolby® Home Theater® Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)													
Security	Hard disk password, user password, supervisor password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
 US models announced November 3, 2009
 US models withdrawn effective December 2010

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Type-model	Pro-processor	Max Base turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Chipset	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Win7 preload	Avail date
3241-56U	i7-720QM	1.60	2.80	4GB	15.6" HD	LED	1.3M PM55	GT240M	500GB ^B	DVD±RW	Intel 5300 ²⁸	Black	Blue	Prem 64	Dec 09
3241-58U	i3-330M	2.13	4GB	15.6" HD	LED	1.3M HM55	GT240M	500GB	DVD±RW		Intel 6200	Black	Blue	Prem 64	Apr 10

- 15.6" HD widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two stereo speakers and one subwoofer
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i7 processor i7-720QM with quad-core, 2.5GT/s (giga-transfers/second) DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading Technology, and 6MB cache										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64-bit Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Easy Capture • Adobe® Reader® • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software 			
Memory	4GB std / 8GB max ⁷ , PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available										90-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant			
Diskette drive	None													
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7 mm high, tray-in										Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable													
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator													
Discrete graphics	NVIDIA® GeForce® GT 240M, PCI Express® x16, 1GB memory, DirectX® 10.1, PureVideo® HD technology, CUDA® technology, VGA, HDMI, HDCP-compliant													
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons													
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³	(WxDxH): 15.2" x 10.0" x 1.02" to 1.5"; 385mm x 255mm x 26mm to 37mm													
Weight ²	with optical drive and battery: 6-cell: 6.06 lb (2.75 kg)													
Case color	Black top, black bottom													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion 6-cell													
Battery - life ¹⁰	Up to 3.5 hr													
Chipset	Mobile Intel PM55 or HM55 Express Chipset													
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Two USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR													
TV tuner	None													
Mini PCI Express	Three Mini PCI Express slots													
Intel 5300 ²⁸	Some: 11a/b/g/n, PCIe Half Mini Card, Intel WiFi Link 5300, 3x3 (Shirley Peak)													
Intel 6200 ²⁸	Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2													
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator													
Modem	None													
Ethernet	Gigabit ethernet, Broadcom® 57780, PCIe x1													
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two stereo speakers (2 watt) and subwoofer (2 watt), Dolby® Home Theater® Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)													
Security	Hard disk password, user password, supervisor password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
 US models announced December 17, 2009 or April 7, 2010
 US models withdrawn effective December 2010

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 (BM3-2) December 2010



Lenovo IdeaPad Y560



Lenovo IdeaPad Y560



Lenovo IdeaPad Y560



Lenovo IdeaPad Y560



Lenovo IdeaPad Y560



Lenovo IdeaPad Y560

Type-model	Pro- cessor	Max turbo GHz (GHz)	Memory (MHz)	Widescreen or display	CCFL or LED	Cam- Integrated era graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue- tooth	Win7 preload	Avail date
0646-55U	i3-370M	2.40	2GBx2	1066	15.6" HD	LED	1.3M Intel HD	500GB 5400	DVD±RW	11b/g/n ²⁸	Black	Prem 64	Aug 10
0646-53U	i5-460M	2.53	2.80	2GBx2	1066	15.6" HD	LED	1.3M Intel HD	500GB 5400	DVD±RW	11b/g/n	Prem 64	Aug 10
0646-52U	i5-460M	2.53	2.80	4+2GB	1066	15.6" HD	LED	1.3M Intel HD	500GB 5400	DVD±RW	11b/g/n	Prem 64	Aug 10
0646-5HU	i5-480M	2.66	2.93	2GBx2	1066	15.6" HD	LED	1.3M Intel HD	500GB 5400	DVD±RW	11b/g/n	Black Blue	Prem 64 Feb 11

- **15.6" widescreen, glossy display with LED backlight**
- **Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3 processor i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-460M or i5-480M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav
Memory	4GB or 6GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons	
Touch controls	Lenovo SlideNav bar, OneKey Theater and Energy Management keys	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	<i>(WxDxH):</i> 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.95lb (2.7 kg)	
Case color	Black top with engraved pattern, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4 hr	
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots	
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros® chip	
Bluetooth™	<i>Some:</i> Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	
	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant	
	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	

See footnotes for important warranty information
 US models announced August 25, 2010 or February 16, 2011
 US models withdrawn effective November 2011

Type-model	Pro-cessor	Max turbo GHz (GHz)	Memory (MHz)	Widescreen or display	CCFL or LED	Cam- Integrated era	Integrated graphics	SATA disk GB ⁹ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date				
0646-5UU	i5-480M	2.66	2.93	4GBx2	1066	15.6" HD	LED	1.3M	Intel HD	500GB	5400	DVD±RW	11b/g/n ²⁸	Black	None	Prem	64	Jun 11

- 15.6" widescreen, glossy display with LED backlight
- **Lenovo® Desktop Navigator** easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software** helps control access to your notebook by recognizing your face
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Ambient Light Sensor** automatically adjusts screen brightness based on surrounding light conditions
- **Lenovo Rescue System** provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- **OneKey Theater** allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5 processor i5-480M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64			
Memory	8GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav			
Diskette drive	None													
SATA optical	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in													
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high													
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator													
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant													
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons													
Touch controls	Lenovo SlideNav bar, OneKey Theater and Energy Management keys													
Light sensor	Ambient light sensor													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³	<i>(WxDxH)</i> : 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm													
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95lb (2.7 kg)													
Case color	Black top with engraved pattern, black bottom													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion 6-cell													
Battery - life ¹⁰	Up to 4 hr													
Chipset	Mobile Intel HM55 Express Chipset													
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Three PCIe Mini Card slots													
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros® chip													
Bluetooth™	None													
Modem	None													
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1													
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)													
Security	Power-on password, hard disk password, supervisor password, security lockhole													
Fingerprint reader	None										Limited Warranty¹² ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			

See footnotes for important warranty information
US model announced June 8, 2011
US model withdrawn effective November 2011

Type-model	Pro- cessor	Max turbo GHz (GHz)	Memory	Widescreen or display	CCFL or LED	Switchable graphics	SATA disk	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue- tooth	Win7 preload	Avail date
0646-23U	i3-330M	2.13	4GB	15.6" HD	LED	Intel HD, HD 5730	500GB ⁸		DVD±RW	Intel 1000 ²⁸	Black		Prem 64	Mar 10
0646-22U	i5-430M	2.26 2.53	4GB	15.6" HD	LED	Intel HD, HD 5730	500GB		DVD±RW	Intel 1000	Black		Prem 64	Mar 10
0646-2YU	i5-460M	2.53 2.80	4GB	15.6" HD	LED	Intel HD, HD 5730	500GB	32GB	Blu-ray	11b/g/n ²⁸	Black		Prem 64	Aug 10
0646-2MU	i5-450M	2.40 2.66	4GB	15.6" HD	LED	Intel HD, HD 5730	320GB		DVD±RW	11b/g/n	Black		Prem 64	Feb 11
0646-2QU	i5-450M	2.40 2.66	4GB	15.6" HD	LED	Intel HD, HD 5730	500GB	32GB	DVD±RW	11b/g/n	Black		Prem 64	Feb 11
0646-5JU	i5-480M	2.66 2.93	4GB	15.6" HD	LED	Intel HD, HD 5730	500GB	32GB	DVD±RW	11b/g/n	Black	Blue	Prem 64	Feb 11
0646-5KU	i5-480M	2.66 2.93	6GB	15.6" HD	LED	Intel HD, HD 5730	500GB		DVD±RW	11b/g/n	Black	Blue	Prem 64	Feb 11
0646-5LU	i5-480M	2.66 2.93	4GB	15.6" HD	LED	Intel HD, HD 5730	500GB		DVD±RW	11b/g/n	Black	Blue	Prem 64	Feb 11

- 15.6" widescreen, glossy display with LED backlight
- Dynamic switching between discrete and integrated graphics (user selectable)
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-430M, i5-450M, i5-460M, or i5-480M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav
Memory	4GB or 6GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive SATA optical	None <i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk mSATA™ SSD	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high <i>Some:</i> 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Switchable graphics	Switches between discrete and integrated graphics via graphic switch Intel HD Graphics in processor, and ATI Mobility Radeon™ HD 5730 , PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons Lenovo SlideNav bar, OneKey Theater and Energy Management keys Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg) Black top with engraved pattern, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 3.5 hr	90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner PCIe Mini Card Intel 1000 ²⁸ 11b/g/n ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three PCIe Mini Card slots <i>Some:</i> 11b/g/n wireless ² , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 <i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros® chip <i>Some:</i> Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator None Gigabit ethernet, Broadcom® BCM57780, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / JBL stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information

US models announced March 11 or August 25, 2010 or February 16, 2011

US models withdrawn effective November 2011

Type-model	Pro-cessor	Max turbo GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Switchable graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0646-26U	i5-520M	2.40	2.93	4GB	15.6" HD	LED	1.3M	Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0646-27U	i5-430M	2.26	2.53	4GB	15.6" HD	LED	1.3M	Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0646-28U	i3-330M	2.13		4GB	15.6" HD	LED	1.3M	Intel HD, HD 5730	320GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0646-59U	i3-370M	2.40		4GB	15.6" HD	LED	1.3M	Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5AU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M	Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5EU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M	Intel HD, HD 5730	750GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10
0646-5NU	i5-480M	2.66	2.93	4GB	15.6" HD	LED	1.3M	Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Feb 11
0646-5RU	i3-380M	2.53		4GB	15.6" HD	LED	1.3M	Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Feb 11

- 15.6" widescreen, glossy display with LED backlight
- Dynamic switching between discrete and integrated graphics (user selectable)
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M, i3-370M, or i3-380M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache Intel Core i5 processor i5-430M, i5-460M, i5-480M, or i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav
Diskette drive	None	90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	320GB (5400 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Switchable graphics	Switches between discrete and integrated graphics via graphic switch Intel HD Graphics in processor, and ATI Mobility Radeon™ HD 5730 , PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons	
Touch controls	Lenovo SlideNav bar, OneKey Theater and Energy Management keys	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95lb (2.7 kg)	
Case color	Black top with engraved pattern, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel HM55 Express Chipset	Limited Warranty ¹² ↪ 1-year parts and labor ↪ Depot repair service ¹⁹ ↪ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US models announced February 16, November 3, or December 1, 2010 or February 16, 2011

US models withdrawn effective November 2011

Type-model	Pro- cessor	Max turbo GHz (GHz)	Memory (MHz)	Widescreen or display	CCFL or LED	Cam- era	Discrete graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue- tooth	Win7 preload	Avail date
0646-54U	i7-740QM	1.73	2.93	2GBx2 1333	15.6" HD	LED	1.3M HD 5730	500GB 5400	DVD±RW	11b/g/n ²⁸	Black	None	Prem 64	Aug 10
0646-56U	i7-740QM	1.73	2.93	4+2GB 1333	15.6" HD	LED	1.3M HD 5730	640GB 5400	Blu-ray	11b/g/n	Black	None	Prem 64	Aug 10
0646-2EU	i7-720QM	1.60	2.80	2GBx2 1333	15.6" HD	LED	1.3M HD 5730	500GB 5400	DVD±RW	Intel 1000	Black	None	Prem 64	Feb 11
0646-2HU	i7-720QM	1.60	2.80	4+2GB 1333	15.6" HD	LED	1.3M HD 5730	500GB 5400	DVD±RW	11b/g/n	Black	None	Prem 64	Feb 11

- **15.6" widescreen, glossy display with LED backlight**
- **Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i7 processor i7-720QM or i7-740QM with quad-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav
Memory	4GB or 6GB std / 8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 640GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	ATI Mobility Radeon™ HD 5730 , PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons	
Touch controls	Lenovo SlideNav bar, OneKey Theater and Energy Management keys	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	<i>(WxDxH):</i> 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.95lb (2.7 kg)	
Case color	Black top with engraved pattern, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3 hr	
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots	
11b/g/n ²⁸	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros® chip	
Intel 1000 ²⁸	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US models announced August 25, 2010 or February 16, 2011
 US models withdrawn effective November 2011

Type-model	Processor	Max turbo GHz (GHz)	Memory (MHz)	Widescreen display	CCFL or LED	Discrete graphics	SATA disk GB ⁸ rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0646-2AU	i7-720QM	1.60	2.80	2GBx2 1333	15.6" HD	LED	HD 5730	500GB 7200	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0646-58U	i7-740QM	1.73	2.93	4GBx1 1333	15.6" HD	LED	HD 5730	500GB 7200	Blu-ray	Intel 6200	Black	Blue	Prem 64	Nov 10
0646-5BU	i7-740QM	1.73	2.93	2GBx2 1333	15.6" HD	LED	HD 5730	500GB 7200	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5CU	i7-740QM	1.73	2.93	4GBx2 1333	15.6" HD	LED	HD 5730	500GB 7200	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5DU	i7-740QM	1.73	2.93	4+2GB 1333	15.6" HD	LED	HD 5730	750GB 5400	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5GU	i7-740QM	1.73	2.93	4+2GB 1333	15.6" HD	LED	HD 5730	500GB 7200	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10

- 15.6" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
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- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7 processor i7-720QM or i7-740QM with quad-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	4GB, 6GB, or 8GB std / 8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate
Diskette drive SATA optical	None <i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	• VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav
SATA disk mSATA™ SSD	500GB (7200 rpm) or 750GB (5400 rpm)/ SATA 3.0Gb/s, 9.5mm high <i>Some:</i> 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	• 120-watt AC adapter • Wireless on/off switch • EPEAT™ Gold rating • ENERGY STAR® 5.0-compliant • RoHS-compliant
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	ATI™ Mobility Radeon™ HD 5730 , PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons Lenovo SlideNav bar, OneKey Theater and Energy Management keys Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: <i>6-cell</i> : 5.95lb (2.7 kg) Black top with engraved pattern, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 3 hr	
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner PCIe Mini Card Intel 1000 ²⁸ Intel 6200 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three PCIe Mini Card slots <i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 <i>Some:</i> 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator None Gigabit ethernet, Broadcom® BCM57780, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password,, security lockhole None	

See footnotes for important warranty information

US models announced February 16 or November 3, 2010 or December 1, 2010

US models withdrawn effective November 2011

IdeaPad™ Y560d (0646) - 3D (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-processor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0646-2KU	i7-720QM	1.60 2.80	2GBx2	15.6" HD (3D)	LED	1.3M	HD 5730	500G 7200	DVD±RW	Intel 6200 ²⁸	Black	None	Prem 64	Feb 11

- **15.6" widescreen, glossy display with LED backlight**
- **3D panel and glasses - enjoy compatible games and movies in 3D vision**
- **Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i7 processor i7-720QM with quad-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerDVD (3D models) • TriDef Media Player (3D models) • Lenovo DirectShare • Lenovo SlideNav
Memory	4GB std / 8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (7200 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display 3D glasses Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, with 3D panel 3D glasses and clip-on lenses for conversion of normal optical glasses Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	ATI Mobility Radeon™ HD 5730 , PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons Lenovo SlideNav bar, OneKey Theater and Energy Management keys Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(<i>WxDxH</i>): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: <i>6-cell</i> : 5.95lb (2.7 kg) Black top with engraved pattern, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 3 hr	
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner PCIe Mini Card Intel 6200 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three PCIe Mini Card slots 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 None None Gigabit ethernet, Broadcom® BCM57780, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None	
	120-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant	
	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	

See footnotes for important warranty information
 US model(s) announced February 16, 2011
 US model(s) withdrawn effective March 2013

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 (HW11-7) March 2013

IdeaPad™ Y560d (0646) - 3D (Windows 7) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0646-2NU	i7-720QM	1.60	2GBx2	15.6" HD (3D)	LED	1.3M	HD 5730	500G 7200	DVD±RW	Intel 6200 ²⁸	Black	Blue	Prem 64	Oct 10
0646-57U	i7-740QM	1.73	4+2GB	15.6" HD (3D)	LED	1.3M	HD 5730	500G 7200	DVD±RW	Intel 6200	Black	Blue	Prem 64	Oct 10

- 15.6" widescreen, glossy display with LED backlight
- 3D panel and glasses - enjoy compatible games and movies in 3D vision
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These system are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7 processor i7-720QM or i7-740QM with quad-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	4GB or 6GB std / 8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerDVD (3D models) • TriDef Media Player (3D models) • Lenovo DirectShare • Lenovo SlideNav
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (7200 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display 3D glasses Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, with 3D panel 3D glasses and clip-on lenses for conversion of normal optical glasses Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	ATI™ Mobility Radeon™ HD 5730 , PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons Lenovo SlideNav bar, OneKey Theater and Energy Management keys Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: <i>6-cell</i> : 5.95lb (2.7 kg) Black top with engraved pattern, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 3 hr	120-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Limited Warranty¹² ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner PCIe Mini Card Intel 6200 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three PCIe Mini Card slots 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator None Gigabit ethernet, Broadcom® BCM57780, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information
US model(s) announced September 28, 2010
US model(s) withdrawn effective March 2013

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(HW11-6) March 2013

IdeaPad™ Y560p (4397) - AMD® Radeon™ (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Discrete graphics	SATA disk	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
4397-22U	i7-2630QM	2.00	2.90	2+4GB	15.6" HD	LED	1.3M	HD 6570M	750GB ⁸	None	DVD±RW	11b/g/n	Black	Blue	Prem 64	Jan 11
4397-23U	i7-2630QM	2.00	2.90	2GBx2	15.6" HD	LED	1.3M	HD 6570M	500GB	None	DVD±RW	11b/g/n	Black	Blue	Prem 64	Jan 11

- 15.6" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications¹⁴ (only some listed)
Diskette drive	None	• Lenovo OneKey Recovery
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	• Lenovo ReadyComm
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	• ooVoo™
mSATA™ SSD	None	• McAfee® VirusScan® Plus (60 days of virus definitions)
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	• CyberLink YouCam
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	• Microsoft Office 2010 preloaded; purchase product key to activate
Discrete graphics	AMD® Radeon™ HD 6570M Graphics , PCI Express® x16, 1GB memory, DirectX® 11, VGA connector, HDMI connector, HDCP-compliant	• VeriFace™
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons	• Lenovo Energy Management Software
Touch controls	Lenovo SlideNav bar, OneKey Theater and Energy Management keys	• Cyberlink Power2Go (DVD±RW, Blu-ray)
Light sensor	None	• Lenovo DirectShare
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	• Lenovo SlideNav
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm	Dual-core models: 90-watt AC adapter
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95lb (2.7 kg)	Quad-core models: 120-watt AC adapter
Case color	Black top with hairline texture, black bottom	Wireless on/off switch
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	EPEAT™ Gold rating
Battery - type	Lithium Ion 6-cell	ENERGY STAR® 5.0-compliant
Battery - life ¹⁰	Up to 3 hr	RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	Limited Warranty¹²
ExpressCard/34	One slot (ExpressCard/34)	↪ 1-year parts and labor
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	↪ Depot repair service¹⁹
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Three PCIe Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip, 1x2	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	Gigabit ethernet, Broadcom BCM57780, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced January 12, 2011
US model(s) withdrawn effective March 2013

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(GL2-1) March 2013

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Discrete graphics	SATA disk GB ³ rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
4397-24U	i3-2310M	2.10		2GBx2	15.6" HD	LED	HD 6570M	500GB 5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Jan 11
4397-25U	i5-2410M	2.30	2.90	2+4GB	15.6" HD	LED	HD 6570M	500GB 5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Jan 11
4397-26U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	HD 6570M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Jan 11
4397-27U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	HD 6570M	750GB 5400	32GB	Blu-ray	Intel 1000	Black	Blue	Prem 64	Jan 11
4397-29U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	HD 6570M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	Prem 64	Feb 11
4397-2DU	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	HD 6570M	500GB 7200		Blu-ray	Intel 1000	Black	Blue	Prem 64	May 11
4397-2FU	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	HD 6570M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	May 11
4397-2EU	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	HD 6570M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	Prem 64	Jun 11
4397-28U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	HD 6570M	500GB 5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Jun 11
4397-2GU	i3-2310M	2.10		2+4GB	15.6" HD	LED	HD 6570M	500GB 5400		DVD±RW	Intel 1000	Black	Blue	Prem 64	Sep 11
4397-2HU	i3-2310M	2.10		2GBx2	15.6" HD	LED	HD 6570M	500GB 5400		Blu-ray	Intel 1000	Black	Blue	Prem 64	Sep 11

- 15.6" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare • Lenovo SlideNav
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive SATA optical	None Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk mSATA™ SSD	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high Some: 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	AMD Radeon™ HD 6570M Graphics , PCI Express® x16, 1GB memory, DirectX® 11, VGA connector, HDMI connector, HDCP-compliant	
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons Lenovo SlideNav bar, OneKey Theater and Energy Management keys None Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: <i>6-cell</i> : 5.95lb (2.7 kg) Black top with hairline texture, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 3 hr	Dual-core models: 90-watt AC adapter Quad-core models: 120-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM65 Express Chipset One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner PCIe Mini Card Intel 1000 Bluetooth™ Modem Ethernet Audio support	None Three PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator None Gigabit ethernet, Broadcom® BCM57780, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security Fingerprint reader	Hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information
US model(s) announced January 12, February 16, May 18, June 22, or September 1, 2011
US model(s) withdrawn effective March 2013



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650

IdeaPad™ Y650 (GMA) - withdrawn

Part number	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
59019001	P8600	2.40	4GB	16.0" WXGA	LED	Cam	GMA	320GB ⁸	DVD±RW	Intel 5100 ²⁸	Black	Blue	ES50	Prem 64	Apr 09
59018999	P8600	2.40	4GB	16.0" WXGA	LED	Cam	GMA	320GB	DVD±RW	Intel 5100	Black	Blue	ES50	Prem 64	May 09

- 16.0" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor P8600 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® Vista® Home Premium 64 ↗ Vista Premium logo Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;	
Diskette drive	None	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	16.0" (406.4mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content	
Keyboard	Full-size keyboard, 6-row, 84-key, recovery key, mute, vol up, vol down button	
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 15.4" x 10.2" x 1.0"; 390mm x 260mm x 26mm	
Weight ²	with optical drive and battery: 6-cell: 5.62 lb (2.55 kg)	
Case color	Black top with engraved pattern, black bottom	
Case material	Top: carbon fiber reinforced plastic; Bottom: magnesium-aluminum alloy	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, eSATA port	
TV tuner	None	
Mini PCI Express	Three Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two JBL® stereo speakers (2 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, user password, supervisor password, security lockhole	
Fingerprint reader	None	
Available at these retailers • TigerDirect		
65-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant		
Limited Warranty ¹² ↗ 1-year parts and labor ↗ Depot repair service ¹⁹ ↗ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ↗ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686		

See footnotes for important warranty information
 US models announced April 7 or May 27, 2009
 US models withdrawn effective January 18, 2012

↗ Intel Centrino® 2 processor technology

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 (BM1-3) January 2012

Type-model	Pro-processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
4185-36U	P8600	2.40	3GB	16.0" WXGA	LED	Cam	GMA	320GB ⁸	DVD±RW	⇄ Intel 5100 ²⁸	Black	Blue	ES50	Prem 32	Feb 09
4185-56U	P8700	2.53	4GB	16.0" WXGA	CCFL	Cam	GMA	320GB	DVD±RW	⇄ Intel 5100	Black		ES50	Prem 64	Aug 09
4185-55U	P8700	2.53	4GB	16.0" WXGA	CCFL	Cam	GMA	320GB	DVD±RW	⇄ Intel 5100	Black		ES50	Prem 64	Aug 09
4185-75U	P8700	2.53	4GB	16.0" WXGA	CCFL	Cam	GMA	320GB	DVD±RW	⇄ Intel 5100	Black		ES50	Prem 64	Aug 09

- 16.0" widescreen, glossy display
- Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor P8600 or P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64 ⇄ Vista Premium logo Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software
Memory	3GB or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;	
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	16.0" (406.4mm) WXGA (1366x768) TFT color, VibrantView (glossy); <i>Some:</i> LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> CCFL backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Camera		
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content	
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, 84-key, recovery key, mute, vol up, vol down button Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.4" x 10.2" x 1.0" to 1.2"; 390mm x 260mm x 26 to 30mm with optical drive and battery: 6-cell: 5.62 lb (2.55 kg) Black top, black bottom <i>Top:</i> carbon fiber reinforced plastic; <i>Bottom:</i> magnesium-aluminum alloy Lithium Ion 6-cell Up to 3.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34 Multicard reader	One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, eSATA port	
TV tuner Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) <i>Some:</i> Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator None Gigabit ethernet, Broadcom® BCM5784, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / two JBL stereo speakers (2 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)	
Security Fingerprint reader	Hard disk password, user password, supervisor password, security lockhole None	
		Available at these retailers • lenovo.com 65-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty ¹² ⇄ 1-year parts and labor ⇄ Depot repair service ¹⁹ ⇄ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇄ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information ⇄ Intel Centrino® 2 processor technology
 US models announced February 24, August 5, or August 19, 2009
 US models withdrawn effective January 18, 2012

IdeaPad™ Y650 (4185) - GMA (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Win7 preload	Avail date
4185-57U	P8700	2.53	4GB	16.0" HD	CCFL	1.3M	GMA 4500MHD	500GB ⁸	DVD±RW	✧ Intel 5100 ²⁸	Black	None	Prem 64	Nov 09

- **16.0" widescreen, glossy display**
- **Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive slide bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software
Diskette drive	None	65-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	
Widescreen display	16.0" (406.4mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); CCFL backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content	
Keyboard	Full-size keyboard, 6-row, 84-key, recovery key, mute, vol up, vol down button	
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	<i>(WxDxH):</i> 15.4" x 10.2" x 1.0" to 1.2"; 390mm x 260mm x 26 to 30mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.62 lb (2.55 kg)	
Case color	Black top, black bottom	
Case material	<i>Top:</i> carbon fiber reinforced plastic; <i>Bottom:</i> magnesium-aluminum alloy	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, eSATA port	
TV tuner	None	
Mini PCI Express	Three Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two JBL stereo speakers (2 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, user password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US model(s) announced November 3, 2009
 US model(s) withdrawn effective March 2013

✧ Intel Centrino® 2 processor technology

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 (BM1-4) March 2013

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Vista preload	Avail date
4185-37U	P8600	2.40	3GB	16.0" WXGA	LED	Cam	G105M	320GB ⁸	DVD±RW	✦ Intel 5100 ²⁸	Black	Blue	Prem 64	Feb 09
4185-34U	P8700	2.53	4GB	16.0" WXGA	LED	Cam	G105M	320GB	DVD±RW	✦ Intel 5100	Black	Blue	Prem 64	Feb 09

- 16.0" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor P8600 or P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache										Preloaded operating system ²⁰ - Genuine Windows® Vista® Home Premium 64 ✦ Vista Premium logo			
Memory	3GB or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;										Preloaded applications ¹⁴ (only some listed)			
Diskette drive	None										<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software 			
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in													
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable													
Widescreen display	16.0" (406.4mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator													
Discrete graphics	NVIDIA® GeForce® G105M, PCI Express® x16, 256MB memory, DirectX® 10, PureVideo® HD technology, VGA, HDMI, HDCP-compliant													
Keyboard	Full-size keyboard, 6-row, 84-key, recovery key, mute, vol up, vol down button													
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key													
Light sensor	Ambient light sensor													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³	(WxDxH): 15.4" x 10.2" x 1.0"; 390mm x 260mm x 26mm										Available at these retailers • lenovo.com			
Weight ²	with optical drive and battery: 6-cell: 5.62 lb (2.55 kg)													
Case color	Black top with engraved pattern, black bottom										90-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant			
Case material	Top: carbon fiber reinforced plastic; Bottom: magnesium-aluminum alloy													
Battery - type	Lithium Ion 6-cell										Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
Battery - life ¹⁰	Up to 2.5 hr													
Chipset	Mobile Intel PM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)													
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, eSATA port													
TV tuner	None													
Mini PCI Express	Three Mini PCI Express slots													
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)													
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator													
Modem	None													
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1													
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two JBL® stereo speakers (2 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)													
Security	Hard disk password, user password, supervisor password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US models announced February 24, 2009
US models withdrawn effective January 18, 2012

✦ Intel Centrino® 2 processor technology

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(BM1-2) January 2012



Lenovo IdeaPad Y510



Lenovo IdeaPad Y510
with aluminum palm rest



Lenovo IdeaPad Y510



Lenovo IdeaPad Y510
with aluminum palm rest



Lenovo IdeaPad Y510



Lenovo IdeaPad Y510

Part number	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk	EIDE optical	Mini PCIe 802.11 wireless	Blue-tooth	Vista preload	Avail date
59012693	Pentium T2330	1.60	2GB	15.4" WXGA	Cam	GMA	160GB ⁸	DVD±RW	* Intel 11a/b/g ¹¹	None	Home Prem	Jan 08
59012889	Pentium T2330	1.60	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	Mar 08
59012696	Pentium T2330	1.60	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	Mar 08
59012697	Pentium T2330	1.60	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	Jan 08
59013478	Pentium T2370	1.73	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	Apr 08
59012698	Core 2 Duo T5450	1.66	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	Jan 08
59012924	Core 2 Duo T5450	1.66	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	Mar 08
59013046	Core 2 Duo T5450	1.66	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11n ²⁸	None	Home Prem	Mar 08
59012779	Core 2 Duo T5550	1.83	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11n	None	Home Prem	Jan 08
59012891	Core 2 Duo T5550	1.83	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11n	None	Home Prem	Mar 08
59013333	Core 2 Duo T5550	1.83	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11n	None	Home Prem	Mar 08
59013272	Core 2 Duo T8100	2.10	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11n	None	Home Prem	Mar 08

- **15.4" widescreen, glossy display**
- **Frameless screen (no plastic frame) to extend to the edges of the PC**
- **Light Weave textured cover**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Dolby® Home Theater™ premium audio system with four speakers and one subwoofer**
- **Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume and equalizer controls on the keyboard**
- **One key system recovery**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® Dual-Core Processor T2330 or T2370 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep™ technology ¹ , Execute Disable Bit, 533MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5450 or T5550 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep technology, Execute Disable Bit, 667MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor T8100 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep technology, Intel Dynamic Acceleration, Execute Disable Bit, 800MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Microsoft® Windows® Vista® Home Premium Edition (32-bit) ◇ Vista Premium logo Preloaded applications ¹⁴ • Lenovo™ OneKey Recovery • Lenovo Anycomm • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft Office 2007 Trial (60-day) • VeriFace™ Facial Recognition • EarthLink® • Energy Cut • Lenovo ShuttleCenter (DVD±RW) • Cyberlink Power2Go (DVD±RW)
Memory	2GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive EIDE DVD±RW SATA disk	None (use optional USB-based diskette drive) DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 160GB (5400 rpm) or 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	
Widescreen display	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy), CCFL backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio, frameless screen	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Intel Graphics Media Accelerator X3100, in GM965	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm with optical drive and battery: 6-cell: 6.4 lb (2.91 kg) Black top, black bottom ABS plastic Lithium Ion 6-cell, 5200 mAh, smart battery, 5-bar battery indicator Up to 4 hr	Available at these retailers • B&H™ • BJ's™ • J&R™ • MICROCENTER® • Newegg® • Office DEPOT® • RCSEXPERIENCE • TigerDirect
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus	
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	65-watt AC adapter Wireless on/off switch RoHS-compliant
Ports	Three USB 2.0, external monitor (VGA DB-15), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
TV tuner	None	
Video out	S-video out port (TV-out), one 7-pin industry standard connector	
Mini PCI Express Intel 11a/b/g Intel 11n	Two Mini PCI Express slot 11a/b/g wireless ⁴ , Mini PCI Express adapter, Intel PRO/Wireless 3945ABG 11a/b/g/n wireless, Mini PCIe adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)	
Bluetooth™ Modem Ethernet Audio support	None 56K V.92 ⁶ modem 10/100 ethernet, Broadcom® BCM5906M, PCI 2.3 Intel High Definition (HD) Audio, RealTek® ALC882 codec / two main speakers (2 watt), two secondary speaker (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information * Intel Centrino® processor technology
US models announced January 6, March 25, or April 15, 2008
US models withdrawn effective July 2009

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(MKL1-1) July 2009

Part number	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk	EIDE optical	Mini PCIe 802.11 wireless	Blue-tooth	Vista preload	Avail date
59014835	Pentium T2390	1.86	2GB	15.4" WXGA	Cam	GMA	120GB ⁸	DVD±RW	Intel 4965AG ¹¹	None	Home Prem	Aug08
59014810	Pentium T2390	1.86	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	Intel 4965AG	None	Home Prem	Jul 08
59014900	Pentium T2390	1.86	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	Intel 4965AG	None	Home Prem	Jul 08
59014632	Pentium T2390	1.86	3GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	Intel 4965AG	None	Home Prem	Jul 08
59014807	Pentium T2390	1.86	3GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	Intel 4965AG	None	Home Prem	Jul 08
59014834	Core 2 Duo T5750	2.00	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 4965AG	None	Home Prem	Aug08
59014491	Core 2 Duo T5750	2.00	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 4965AG	None	Home Prem	Jul 08
59014899	Core 2 Duo T5750	2.00	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 4965AG	None	Home Prem	Jul 08
59015479	Core 2 Duo T5750	2.00	3GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11a/b/g ¹¹	None	Home Prem	Sep08
59014866	Core 2 Duo T5750	2.00	3GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 4965AG	None	Home Prem	Sep08
59014867	Core 2 Duo T5750	2.00	3GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 4965AG	None	Home Prem	Jul 08
59014898	Core 2 Duo T5750	2.00	3GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 4965AG	None	Home Prem	Jul 08
59014633	Core 2 Duo T5750	2.00	3GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 4965AG	None	Home Prem	Sep08
59014903	Core 2 Duo T5750	2.00	3GB	15.4" WXGA	Cam	GMA	320GB	DVD±RW	* Intel 4965AG	None	Home Prem	Jul 08

- 15.4" widescreen, glossy display
- Light Weave textured cover
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater™ premium audio system with four speakers and one subwoofer
- Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume and equalizer controls on the keyboard
- One key system recovery

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® Dual-Core Processor T2390 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep™ technology ¹ , Execute Disable Bit, 533MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5750 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep technology, Execute Disable Bit, 667MHz system bus, and 2MB L2 cache	Preloaded operating system²⁰ - Microsoft® Windows® Vista® Home Premium Edition (32-bit) ♦ Vista Premium logo Preloaded applications¹⁴ • Lenovo™ OneKey Recovery • Lenovo Anycomm • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft Office 2007 Trial (60-day) • VeriFace™ Facial Recognition • EarthLink® • Energy Cut • Lenovo Shuttle Center (DVD±RW) • Cyberlink Power2Go (DVD±RW)
Memory	2GB or 3GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None (use optional USB-based diskette drive)	
EIDE DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	120GB (5400 rpm), 160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	
Widescreen display	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy), CCFL backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Intel Graphics Media Accelerator X3100 , in GM965	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm	Available at these retailers • B&H™ • MICROCENTER® • Newegg® • TigerDirect • The Source (Canada)
Weight ²	with optical drive and battery: <i>6-cell</i> : 6.4 lb (2.91 kg)	
Case color	Black top, black bottom	
Case material	ABS plastic	
Battery - type	Lithium Ion 6-cell , 5200 mAH, smart battery, 5-bar battery indicator	
Battery - life ¹⁰	Up to 4 hr	
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus	
ExpressCard/54	One slot (ExpressCard/34, ExpressCard/54)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Three USB 2.0, external monitor (VGA DB-15), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Video out	S-video out port (TV-out), one 7-pin industry standard connector	
Mini PCI Express	Two Mini PCI Express slot	
Intel 11a/b/g	<i>Some:</i> 11a/b/g wireless ⁴ , Mini PCI Express adapter, Intel PRO/Wireless 3945ABG	
Intel 4965AG	<i>Some:</i> 11a/b/g wireless, Mini PCIe adapter, Intel Wireless WiFi Link 4965AG	
Bluetooth™	None	
Modem	56K V.92 ⁶ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	Intel High Definition (HD) Audio, RealTek® ALC882 codec / two main speakers (2 watt), two secondary speaker (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information * Intel Centrino® processor technology
 US models announced July 15, September 9, or September 30, 2008
 US models withdrawn effective July 2009

Part number	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk	EIDE optical	Mini PCIe 802.11 wireless	Blue-tooth	Vista preload	Avail date
59013791	Pentium T2370	1.73	2GB	15.4" WXGA	Cam	GMA	160GB ⁸	DVD±RW	* Intel 11a/b/g ¹¹	None	Home Prem	May 08
59013613	Pentium T2370	1.73	3GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	May 08
59013769	Pentium T2370	1.73	3GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	May 08
59013615	Core 2 Duo T5550	1.83	3GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11n ²⁸	None	Home Prem	May 08
59013765	Core 2 Duo T5550	1.83	3GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11n	None	Home Prem	May 08
59013885	Core 2 Duo T5550	1.83	3GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	May 08
59014491	Core 2 Duo T5750	2.00	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 4965AG	None	Home Prem	Jun 08
59013782	Core 2 Duo T8100	2.10	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11n	None	Home Prem	May 08

- 15.4" widescreen, glossy display
- Frameless screen (no plastic frame) to extend to the edges of the PC
- Light Weave textured cover
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater™ premium audio system with four speakers and one subwoofer
- Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume and equalizer controls on the keyboard
- One key system recovery

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® Dual-Core Processor T2370 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep™ technology ¹ , Execute Disable Bit, 533MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5550 or T5750 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep technology, Execute Disable Bit, 667MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor T8100 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep technology, Intel Dynamic Acceleration, Execute Disable Bit, 800MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Microsoft® Windows® Vista® Home Premium Edition (32-bit) ◇ Vista Premium logo Preloaded applications ¹⁴ • Lenovo™ OneKey Recovery • Lenovo Anycomm • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft Office 2007 Trial (60-day) • VeriFace™ Facial Recognition • EarthLink® • Energy Cut • Lenovo ShuttleCenter (DVD±RW) • Cyberlink Power2Go (DVD±RW)
Memory	2GB or 3GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive EIDE DVD±RW SATA disk	None (use optional USB-based diskette drive) DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 160GB (5400 rpm) or 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	
Widescreen display Camera	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy), CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio, frameless screen Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Intel Graphics Media Accelerator X3100, in GM965	
Keyboard Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm with optical drive and battery: 6-cell: 6.4 lb (2.91 kg) Black top, black bottom ABS plastic Lithium Ion 6-cell, 5200 mAh, smart battery, 5-bar battery indicator Up to 4 hr	Available at these retailers • B&H™ • BJ's SM • J&R™ • MICROCENTER® • Newegg® • Office DEPOT® • RCSEXPERIENCE • TigerDirect
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus	
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	65-watt AC adapter Wireless on/off switch RoHS-compliant
Ports	Three USB 2.0, external monitor (VGA DB-15), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner Video out Mini PCI Express Intel 11a/b/g Intel 4965AG Intel 11n	None S-video out port (TV-out), one 7-pin industry standard connector Two Mini PCI Express slot <i>Some:</i> 11a/b/g wireless ⁴ , Mini PCI Express adapter, Intel PRO/Wireless 3945ABG <i>Some:</i> 11a/b/g wireless, Mini PCIe adapter, Intel Wireless WiFi Link 4965AG <i>Some:</i> 11a/b/g/n wireless, Mini PCIe adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Bluetooth™ Modem Ethernet Audio support	None 56K V.92 ⁶ modem 10/100 ethernet, Broadcom® BCM5906M, PCI 2.3 Intel High Definition (HD) Audio, RealTek® ALC882 codec / two main speakers (2 watt), two secondary speaker (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information
US models announced May 12 or June 27, 2008
US models withdrawn effective July 2009

* Intel Centrino® processor technology

Part number	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk	EIDE optical	Mini PCIe 802.11 wireless	Blue-tooth	Vista preload	Avail date
59013678	Core 2 Duo T5550	1.83	2GB	15.4" WXGA	Cam	8600M GT	160GB ⁸	DVD±RW	* Intel 11n ²⁸	Blue	Home Prem	May 08
59013679	Core 2 Duo T5550	1.83	2GB	15.4" WXGA	Cam	8600M GT	250GB	DVD±RW	* Intel 11n	Blue	Home Prem	May 08
59013680	Core 2 Duo T5550	1.83	4GB	15.4" WXGA	Cam	8600M GT	250GB	DVD±RW	* Intel 11n	Blue	Home Prem	May 08
59013779	Core 2 Duo T5550	1.83	4GB	15.4" WXGA	Cam	8600M GT	250GB	DVD±RW	* Intel 11n	Blue	Home Prem	May 08

- **15.4" widescreen, glossy display**
- **Frameless screen (no plastic frame) to extend to the edges of the PC**
- **Light Weave textured cover**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Dolby® Home Theater™ premium audio system with four speakers and one subwoofer**
- **Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume and equalizer controls on the keyboard**
- **One key system recovery**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor T5550 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep™ technology ¹ , Execute Disable Bit, 667MHz system bus, and 2MB L2 cache	Preloaded operating system ²⁰ - Microsoft® Windows® Vista® Home Premium Edition (32-bit) ◇ Vista Premium logo
Memory	2GB or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications ¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo Anycomm • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft Office 2007 Trial (60-day) • VeriFace™ Facial Recognition • Energy Cut • Lenovo Shuttle Center (DVD±RW) • Cyberlink Power2Go (DVD±RW)
Diskette drive	None (use optional USB-based diskette drive)	Available at these retailers • B&H™ • BJ's SM • J&R™ • MICROCENTER® • Newegg® • Office DEPOT® • RCSEXPERIENCE • TigerDirect
EIDE DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	160GB (5400 rpm) or 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	
Widescreen display	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy), CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio, frameless screen	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	NVIDIA® GeForce® 8600M GT, PCI Express® x16, 256MB memory, DirectX® 10, TurboCache, PureVideo™ technology, VGA connector, S-video connector	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm	
Weight ²	with optical drive and battery: 6-cell: 6.4 lb (2.91 kg)	
Case color	Black top, black bottom	
Case material	ABS plastic; <i>Palm rest:</i> aluminum	
Battery - type	Lithium Ion 6-cell, 5200 mAh, smart battery, 5-bar battery indicator	
Battery - life ¹⁰	Up to 3 hr	
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express 1.1, PCI 2.3), LPC bus	90-watt AC adapter Wireless on/off switch RoHS-compliant
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Three USB 2.0, external monitor (VGA DB-15), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Video out	S-video out port (TV-out), one 7-pin industry standard connector	
Mini PCI Express	Two Mini PCI Express slot	
Intel 11a/b/g	11a/b/g wireless ⁴ , Mini PCI Express adapter, Intel PRO/Wireless 3945ABG	
Intel 11n	11a/b/g/n wireless, Mini PCIe adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)	
Bluetooth™	Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator	
Modem	56K V.92 ⁶ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	Intel High Definition (HD) Audio, RealTek® ALC882 codec / two main speakers (2 watt), two secondary speaker (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

* Intel Centrino® processor technology

US models announced May 12, 2008

US models withdrawn effective July 2009

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(MKL1-3) July 2009

IdeaPad™ Y510 15W (7758) - GMA - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk	EIDE optical	Mini PCIe 802.11 wireless	Blue-tooth	Vista preload	Avail date
7758-2AU	Pentium T2370	1.73	2GB	15.4" WXGA	Cam	GMA	120GB ⁸	DVD±RW	Intel 11a/b/g ¹¹	None	Home Prem	May 08
7758-2BU	Pentium T2370	1.73	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	Intel 11a/b/g	None	Home Prem	May 08
7758-2CU	Core 2 Duo T5550	1.83	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	May 08
7758-3AU	Pentium T2390	1.86	2GB	15.4" WXGA	Cam	GMA	160GB	DVD±RW	Intel 11a/b/g	None	Home Prem	Aug 08
7758-3BU	Pentium T2390	1.86	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	Intel 11a/b/g	None	Home Prem	Aug 08
7758-3CU	Core 2 Duo T5750	2.00	2GB	15.4" WXGA	Cam	GMA	250GB	DVD±RW	* Intel 11a/b/g	None	Home Prem	Aug 08

- **15.4" widescreen, glossy display**
- **Frameless screen (no plastic frame) to extend to the edges of the PC**
- **Light Weave textured cover**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Dolby® Home Theater™ premium audio system with four speakers and one subwoofer**
- **Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume and equalizer controls on the keyboard**
- **One key system recovery**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Pentium® Dual-Core Processor T2370 or T2390 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep™ technology ¹ , Execute Disable Bit, 533MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5550 or T5750 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep technology, Execute Disable Bit, 667MHz system bus, and 2MB L2 cache	Preloaded operating system²⁰ - Microsoft® Windows® Vista® Home Premium Edition (32-bit) ♦ Vista Premium logo Preloaded applications¹⁴ • Lenovo™ OneKey Recovery • Lenovo Anycomm • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft Office 2007 Trial (60-day) • VeriFace™ Facial Recognition • EarthLink® • Energy Cut • Lenovo Shuttle Center (DVD±RW) • Cyberlink Power2Go (DVD±RW)
Memory	2GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None (use optional USB-based diskette drive)	
EIDE DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	120GB (5400 rpm), 160GB (5400 rpm), or 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	
Widescreen display	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy), CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio, frameless screen	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Intel Graphics Media Accelerator X3100 , in GM965	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(<i>WxDxH</i>): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 6.4 lb (2.91 kg)	
Case color	Black top, black bottom	
Case material	ABS plastic	
Battery - type	Lithium Ion 6-cell , 5200 mAh, smart battery, 5-bar battery indicator	
Battery - life ¹⁰	Up to 4 hr	
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus	Available at these retailers • lenovo.com
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54)	65-watt AC adapter Wireless on/off switch RoHS-compliant
Ports	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™) Three USB 2.0, external monitor (VGA DB-15), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
Video out	S-video out port (TV-out), one 7-pin industry standard connector	
Mini PCI Express	Two Mini PCI Express slot	
Intel 11a/b/g Bluetooth™	11a/b/g wireless ⁴ , Mini PCI Express adapter, Intel PRO/Wireless 3945ABG	
Modem	56K V.92 ⁶ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	Intel High Definition (HD) Audio, RealTek® ALC882 codec / two main speakers (2 watt), two secondary speaker (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US models announced April 29 or August 5, 2008
 US models withdrawn effective July 2009

* Intel Centrino® processor technology

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 (MKL1-4) July 2009

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk	EIDE optical	Mini PCIe 802.11 wireless	Blue-tooth	Vista preload	Avail date
7758-2DU	Core 2 Duo T5550	1.83	2GB	15.4" WXGA	Cam	8600M GT	160GB ⁸	DVD±RW	* Intel 11n ²⁸	Blue	Home Prem	May 08
7758-2EU	Core 2 Duo T5550	1.83	2GB	15.4" WXGA	Cam	8600M GT	250GB	DVD±RW	* Intel 11n	Blue	Home Prem	May 08
7758-2FU	Core 2 Duo T5550	1.83	4GB	15.4" WXGA	Cam	8600M GT	250GB	DVD±RW	* Intel 11n	Blue	Home Prem	May 08
7758-3DU	Core 2 Duo T5750	2.00	2GB	15.4" WXGA	Cam	8600M GT	250GB	DVD±RW	* Intel 11n	Blue	Home Prem	Aug 08
7758-3EU	Core 2 Duo T5750	2.00	2GB	15.4" WXGA	Cam	8600M GT	320GB	DVD±RW	* Intel 11n	Blue	Home Prem	Aug 08
7758-3FU	Core 2 Duo T5750	2.00	4GB	15.4" WXGA	Cam	8600M GT	320GB	DVD±RW	* Intel 11n	Blue	Home Prem	Aug 08

- **15.4" widescreen, glossy display**
- **Frameless screen (no plastic frame) to extend to the edges of the PC**
- **Light Weave textured cover**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Dolby® Home Theater™ premium audio system with four speakers and one subwoofer**
- **Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume and equalizer controls on the keyboard**
- **One key system recovery**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor T5550 or T5750 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep™ technology ¹ , Execute Disable Bit, 667MHz system bus, and 2MB L2 cache	Preloaded operating system²⁰ - Microsoft® Windows® Vista® Home Premium Edition (32-bit) ⇨ Vista Premium logo Preloaded applications¹⁴ • Lenovo™ OneKey Recovery • Lenovo Anycomm • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft Office 2007 Trial (60-day) • VeriFace™ Facial Recognition • EarthLink® • Energy Cut • Lenovo Shuttle Center (DVD±RW) • Cyberlink Power2Go (DVD±RW)
Memory	2GB or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive EIDE DVD±RW SATA disk	None (use optional USB-based diskette drive) DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	
Widescreen display Camera	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy), CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio, frameless screen Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	NVIDIA® GeForce® 8600M GT , PCI Express® x16, 256MB memory, DirectX® 10, TurboCache, PureVideo™ technology, VGA connector, S-video connector	
Keyboard Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(<i>WxDxH</i>): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm with optical drive and battery: <i>6-cell</i> : 6.4 lb (2.91 kg) Black top, black bottom ABS plastic; <i>Palm rest</i> : aluminum Lithium Ion 6-cell , 5200 mAH, smart battery, 5-bar battery indicator Up to 3 hr	
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus	
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Three USB 2.0, external monitor (VGA DB-15), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner Video out Mini PCI Express Intel 11n	None S-video out port (TV-out), one 7-pin industry standard connector Two Mini PCI Express slot 11a/b/g/n wireless, Mini PCIe adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)	
Bluetooth™ Modem	Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator 56K V.92 ⁶ modem	
Ethernet Audio support	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3 Intel High Definition (HD) Audio, RealTek® ALC882 codec / two main speakers (2 watt), two secondary speaker (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None	
	Available at these retailers • lenovo.com	
	90-watt AC adapter Wireless on/off switch RoHS-compliant	
	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	

See footnotes for important warranty information
US models announced April 29 or August 5, 2008
US models withdrawn effective July 2009

* Intel Centrino® processor technology



Lenovo IdeaPad Y530



Lenovo IdeaPad Y530



Lenovo IdeaPad Y530



Lenovo IdeaPad Y530



Lenovo IdeaPad Y530



Lenovo IdeaPad Y530

Part number	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
59016229	T3200	2.00	2GB DDR2	15.4" WXGA		Cam	GMA	250GB ⁸	DVD±RW	Intel 5100 ²⁸	Black	None	None	Prem 32	Nov 08
59016233	T3200	2.00	3GB DDR2	15.4" WXGA		Cam	GMA	160GB	DVD±RW	Intel 5100	Black	None	None	Prem 32	Oct 08
59016832	T3200	2.00	3GB DDR2	15.4" WXGA		Cam	GMA	160GB	DVD±RW	Intel 5100	Black	None	None	Prem 32	Nov 08
59016809	T3200	2.00	3GB DDR2	15.4" WXGA		Cam	GMA	160GB	DVD±RW	Intel 5100	Black	None	None	Prem 32	Nov 08
59017841	T3400	2.16	4GB DDR3	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW	Intel 5100	Black	None	None	Prem 64	Mar 09
59017827	T3400	2.16	4GB DDR3	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW	Intel 5100	Black	None	None	Prem 64	Mar 09
59017794	T3400	2.16	4GB DDR3	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW	Intel 5100	Black	None	None	Prem 64	Apr 09
59015788	T5800	2.00	3GB DDR2	15.4" WXGA		Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	None	Prem 32	Nov 08
59015870	T5800	2.00	3GB DDR2	15.4" WXGA		Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	None	Prem 32	Oct 08
59015873	T5800	2.00	3GB DDR2	15.4" WXGA		Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	None	Prem 32	Nov 08
59016235	T5800	2.00	4GB DDR2	15.4" WXGA		Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	None	Prem 64	Mar 09
59019777	T5900	2.20	4GB DDR2	15.4" WXGA		Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	None	Prem 64	Apr 09
59018472	T6400	2.00	4GB DDR2	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	None	Prem 64	Feb 09
59018468	T6400	2.00	4GB DDR3	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	None	None	Prem 64	Mar 09
59018471	T6400	2.00	4GB DDR3	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	None	Prem 64	Apr 09
59018480	T6400	2.00	4GB DDR3	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	None	None	Prem 64	May 09
59018790	P7450	2.13	4GB DDR3	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW ⇄	Intel 5100	Black	None	None	Prem 64	Mar 09
59018773	P7450	2.13	4GB DDR3	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW ⇄	WiMAX	Black	None	None	Prem 64	Apr 09

• **Dolby® Home Theater® premium audio system with four speakers and one subwoofer**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® processor T3200 or T3400 with dual-core, 667MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5800, T5900, or T6400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7450 with dual-core, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - Some: Microsoft® Windows® Vista® Home Premium Edition (32-bit) - Some: Microsoft Windows Vista Home Premium Edition (64-bit)
Memory	2GB, 3GB, or 4GB std / 4GB max*; <i>Italics:</i> standard memory in both sockets; no sockets available <i>Some:</i> PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Some:</i> PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets	◇ Vista Premium logo Preloaded applications¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft Office 2007 Trial (60-day) • WildGames™ • Carbonite Online Backup • VeriFace™ Facial Recognition • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Diskette drive SATA DVD±RW SATA disk	None (use optional USB-based diskette drive) DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	
Widescreen display	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy), <i>Some:</i> CCFL backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio <i>Some:</i> LED backlight , 200 nits, 16:10 aspect ratio, 400:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus	
Camera	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content	
Keyboard Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, recovery key Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm with optical drive and battery: 6-cell: 6.6 lb (2.98 kg) Black top, black bottom ABS plastic; <i>Palm rest:</i> aluminum Lithium Ion 6-cell , 5200 mAh, smart battery, 5-bar battery indicator Up to 3 hr	Available at these retailers • B&H™ • J&R™ • Newegg® • TigerDirect • Amazon.com • Supercom (Canada)
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), PCI bus (Ricoh® R5C833 Cardbus/1394/Multicard), LPC bus (IT8752 Super I/O)	
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	65-watt AC adapter Wireless on/off switch RoHS-compliant
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
Mini PCI Express Intel 5100 ²⁸ WiMAX	Two Mini PCI Express slots <i>Some:</i> 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) <i>Some:</i> 11a/b/g/n and WiMAX wireless ⁴ , Mini PCIe adap, Intel WiMAX/WiFi Link 5350, 3x3 (450Mbps) WiFi + 1x2 WiMAX (Echo Peak)	
Bluetooth™ Modem	None 56K V.92 ⁶ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

* Intel Centrino® processor technology
⇄ Intel Centrino 2 processor technology

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US model] announced Oct 22, Nov 12, or Feb 24, 2008, or Mar 17, Apr 7 or Apr 22, or May 27, 2009
US models withdrawn effective July 2009

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
4051-2QU	T3200	2.00	2GB	15.4" WXGA	LED	Cam	GMA	160GB ⁸	DVD±RW	Intel 5100 ²⁸	Black		None	Prem 32	Sep 08
4051-2RU	T3200	2.00	2GB	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW	Intel 5100	Black		None	Prem 32	Sep 08
4051-62U	T3200	2.00	2GB	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW	Intel 5100	Black		None	Prem 32	Nov 08
4051-2SU	T3200	2.00	3GB	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW	Intel 5100	Black		None	Prem 32	Sep 08
4051-63U	T3200	2.00	4GB	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW	Intel 5100	Black	Blue	None	Prem 64	Nov 08
4051-2TU	T5800	2.00	2GB	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	Blue	None	Prem 32	Sep 08
4051-42U	T5800	2.00	3GB	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black		None	Prem 32	Sep 08
4051-2WU	T5800	2.00	3GB	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black	Blue	None	Prem 32	Sep 08
4051-2UU	T5800	2.00	3GB	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	Blue	None	Prem 32	Sep 08
4051-43U	T5800	2.00	4GB	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black		None	Prem 64	Sep 08
4051-53U	T6400	2.00	4GB	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black		None	Prem 64	Mar 09
4051-54U	P7450	2.13	4GB	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW ⇄	Intel 5100	Black		None	Prem 64	Jan 09

- 15.4" widescreen, glossy display
- Light Weave textured cover
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater® premium audio system with four speakers and one subwoofer
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® dual-core processor T3200 with dual-core, 667MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5800 or T6400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo processor P7450 with dual-core, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Some: Microsoft® Windows® Vista® Home Premium Edition (32-bit) - Some: Microsoft Windows Vista Home Premium Edition (64-bit) ⇄ Vista Premium logo
Memory	2GB, 3GB, or 4GB std / 4GB max ³¹ ; <i>Italics:</i> standard memory in both sockets; no sockets available; 42U/43U: PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Others:</i> PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications ¹⁴ (only some listed) • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Easy Capture • Microsoft Office 2007 Trial (60-day) • Carbonite Online Backup • VeriFace™ Facial Recognition • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Diskette drive SATA DVD±RW SATA disk	None (use optional USB-based diskette drive) DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	
Widescreen display	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy), Some: CCFL backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio Some: LED backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content	
Keyboard Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, recovery key Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm with optical drive and battery: 6-cell: 6.6 lb (2.98 kg) Black top, black bottom ABS plastic; Palm rest: aluminum Lithium Ion 6-cell, 5200 mAh, smart battery, 5-bar battery indicator Up to 3 hr	Available at these retailers • lenovo.com • Fry's
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), PCI bus (Ricoh® R5C833 Cardbus/1394/Multicard), LPC bus (IT8752 Super I/O)	65-watt AC adapter Wireless on/off switch RoHS-compliant
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	Limited Warranty ¹² ⇄ 1-year parts and labor ⇄ Depot repair service ¹⁹ ⇄ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇄ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Some: Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator	
Modem	56K ⁶ V.92 ¹⁵ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

* Intel Centrino® processor technology

⇄ Intel Centrino 2 processor technology

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US models announced September 9, September 16, or November 18, 2008 or January 13 or March 17, 2009

US models withdrawn effective July 2009

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
4051-6HU	T3400	2.16	1GB	15.4" WXGA	LED	Cam	GMA	160GB ⁸	DVD±RW	Intel 5100 ²⁸	Black		None	Basic	Feb 09
4051-68U	T3400	2.16	2GB	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW	Intel 5100	Black		None	Prem 32	Feb 09
4051-6FU	T3400	2.16	2GB	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW	Intel 5100	Black		None	Prem 32	Feb 09
4051-69U	T3400	2.16	3GB	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW	Intel 5100	Black		None	Prem 32	Feb 09
4051-67U	T6400	2.00	3GB	15.4" WXGA	LED	Cam	GMA	250GB	DVD±RW *	Intel 5100	Black		None	Prem 32	Feb 09
4051-6AU	T6400	2.00	3GB	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	Blue	None	Prem 32	Feb 09
4051-6BU	T6400	2.00	4GB	15.4" WXGA	LED	Cam	GMA	320GB	DVD±RW *	Intel 5100	Black	Blue	None	Prem 64	Feb 09

- 15.4" widescreen, glossy display
- Light Weave textured cover
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater® premium audio system with four speakers and one subwoofer
- HDMI port, HDCP-compliant
- Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® processor T3400 with dual-core, 667MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T6400 with dual-core, 800MHz system bus, and 2MB L2 cache	Preloaded operating system²⁰ - Some: Microsoft® Windows® Vista® Home Premium Edition (32-bit) - Some: Microsoft Windows Vista Home Premium Edition (64-bit) - Some: Microsoft Windows Vista Home Basic Edition (32-bit) ◇ 4051-6HU: Vista Basic logo ◇ Others: Vista Premium logo Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Easy Capture • Microsoft Office 2007 Trial (60-day) • Carbonite Online Backup • VeriFace™ Facial Recognition • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	1GB, 2GB, 3GB, or 4GB std / 4GB max ³¹ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available	
Diskette drive	None (use optional USB-based diskette drive)	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	
Widescreen display	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy), LED backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, recovery key	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm	
Weight ²	with optical drive and battery: 6-cell: 6.6 lb (2.98 kg)	
Case color	Black top, black bottom	
Case material	ABS plastic; Palm rest: ABS plastic	
Battery - type	Lithium Ion 6-cell, 5200 mAh, smart battery, 5-bar battery indicator	
Battery - life ¹⁰	Up to 3 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), PCI bus (Ricoh® R5C833 Cardbus/1394/Multicard), LPC bus (IT8752 Super I/O)	
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Mini PCI Express	Two Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Some: Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator	
Modem	56K ⁶ V.92 ¹⁵ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	
		Available at these retailers • lenovo.com 65-watt AC adapter Wireless on/off switch RoHS-compliant Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information
 US models announced February 24, 2009
 US models withdrawn effective July 2009

* Intel Centrino® processor technology

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Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Vista preload	Avail date
4051-2XU	T5800	2.00	2GB	15.4" WXGA	LED	Cam	9300M GS	250GB ⁸	DVD±RW	* Intel 5100 ²⁸	Black	Blue	Prem 32	Sep 08
4051-64U	T5800	2.00	4GB	15.4" WXGA	LED	Cam	9300M GS	320GB	DVD±RW	* Intel 5100	Black	Blue	Prem 64	Nov 08
4051-2AU	P7350	2.00	2GB	15.4" WXGA		Cam	9300M GS	250GB	DVD±RW	⚡ Intel 5100	Black	Blue	Prem 32	Aug 08
4051-2NU	P7350	2.00	2GB	15.4" WXGA	LED	Cam	9300M GS	250GB	DVD±RW	⚡ Intel 5100	Black	Blue	Prem 32	Sep 08
4051-2BU	P7350	2.00	3GB	15.4" WXGA		Cam	9300M GS	320GB	DVD±RW	⚡ Intel 5100	Black	Blue	Prem 32	Aug 08
4051-2PU	P7350	2.00	3GB	15.4" WXGA	LED	Cam	9300M GS	320GB	DVD±RW	⚡ Intel 5100	Black	Blue	Prem 32	Sep 08
4051-2YU	P8400	2.26	4GB	15.4" WXGA	LED	Cam	9500M G	320GB	DVD±RW	⚡ Intel 5100	Black	Blue	Prem 64	Sep 08

- 15.4" widescreen, glossy display
- Frameless screen (no plastic frame) to extend to the edges of the PC
- Light Weave textured cover
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater® premium audio system with four speakers and one subwoofer
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor T5800 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7350 or P8400 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache										Preloaded operating system²⁰ - Some: Microsoft® Windows® Vista® Home Premium Edition (32-bit) - Some: Microsoft Windows Vista Home Premium Edition (64-bit) ⚡ Vista Premium logo Preloaded applications¹⁴ (only some listed)			
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ ; <i>Italics:</i> standard memory in both sockets; no sockets available; 2AU/2BU: PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Others:</i> PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										• Lenovo™ OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft Office 2007 Trial (60-day) • WildGames™ • Carbonite Online Backup • VeriFace™ Facial Recognition • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)			
Diskette drive	None (use optional USB-based diskette drive)													
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in													
SATA disk	250GB (5400 rpm) or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable													
Widescreen display	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy); Some: CCFL backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio, frameless screen Some: LED backlight , 200 nits, 16:10 aspect ratio, 400:1 contrast ratio, frameless screen													
Camera	Camera on top of screen, 1.3-megapixel, fixed focus													
Discrete graphics	Some: NVIDIA® GeForce® 9300M GS , PCI Express® x16, 256MB memory, DirectX® 10, PureVideo® HD technology, VGA, HDMI, HDCP-compliant Some: NVIDIA GeForce 9500M G , PCI Express x16, 512MB memory, DirectX 10, PureVideo HD technology, VGA, HDMI, HDCP-compliant													
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, recovery key													
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)													
Dimensions ³	(WxDxH): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm													
Weight ²	with optical drive and battery: 6-cell: 6.6 lb (2.98 kg)													
Case color	Black top, black bottom													
Case material	ABS plastic; <i>Palm rest:</i> aluminum													
Battery - type	Lithium Ion 6-cell , 5200 mAH, smart battery, 5-bar battery indicator													
Battery - life ¹⁰	Up to 3 hr										Available at these retailers • lenovo.com			
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), PCI bus (Ricoch® R5C833 Cardbus/1394/Multicard), LPC bus (IT8752 Super I/O)										90-watt AC adapter Wireless on/off switch RoHS-compliant			
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54)										Limited Warranty¹² ⚡ 1-year parts and labor ⚡ Depot repair service¹⁹ ⚡ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⚡ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Ports	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™), Three USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)													
TV tuner	None													
Mini PCI Express	Two Mini PCI Express slots													
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)													
Bluetooth™	Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator													
Modem	56K V.92 ⁶ modem													
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3													
Audio support	Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)													
Security	Power-on password, hard disk password, supervisor password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information

* Intel Centrino® processor technology
⚡ Intel Centrino 2 processor technology

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US models announced August 19, September 16, or November 18, 2008
US models withdrawn effective July 2009

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Vista preload	Avail date
4051-65U	T6400	2.00	3GB	15.4" WXGA	LED	Cam	9300M GS	320GB ⁸	DVD±RW	* Intel 5100 ²⁸	Black	Blue	Prem 32	Feb 09
4051-66U	T6400	2.00	4GB	15.4" WXGA	LED	Cam	9300M GS	320GB	DVD±RW	* Intel 5100	Black	Blue	Prem 64	Feb 09
4051-6DU	P7450	2.13	3GB	15.4" WXGA	LED	Cam	9300M GS	320GB	DVD±RW	⚡ Intel 5100	Black	Blue	Prem 32	Feb 09
4051-6GU	P7450	2.13	4GB	15.4" WXGA	LED	Cam	9300M GS	320GB	DVD±RW	⚡ Intel 5100	Black	Blue	Prem 64	Feb 09
4051-6CU	P8600	2.40	3GB	15.4" WXGA	LED	Cam	9300M GS	320GB	DVD±RW	⚡ Intel 5100	Black	Blue	Prem 32	Feb 09
4051-6EU	P8600	2.40	4GB	15.4" WXGA	LED	Cam	9300M G	320GB	DVD±RW	⚡ Intel 5100	Black	Blue	Prem 64	Feb 09

- **15.4" widescreen, glossy display**
- **Frameless screen (no plastic frame) to extend to the edges of the PC**
- **Light Weave textured cover**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Dolby® Home Theater® premium audio system with four speakers and one subwoofer**
- **HDMI port, HDCP-compliant**
- **Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor T6400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7450 or P8600 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - Some: Microsoft® Windows® Vista® Home Premium Edition (32-bit) - Some: Microsoft Windows Vista Home Premium Edition (64-bit) ⚡ Vista Premium logo
Memory	3GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;	Preloaded applications¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft Office 2007 Trial (60-day) • WildGames™ • Carbonite Online Backup • VeriFace™ Facial Recognition • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Diskette drive SATA DVD±RW SATA disk	None (use optional USB-based diskette drive) DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable	Available at these retailers • lenovo.com
Widescreen display Camera	15.4" (391.2mm) WXGA (1280x800) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:10 aspect ratio, 400:1 contrast ratio, frameless screen Camera on top of screen, 1.3-megapixel, fixed focus	
Discrete graphics	<i>Some:</i> NVIDIA® GeForce® 9300M GS , PCI Express® x16, 256MB memory, DirectX® 10, PureVideo® HD technology, VGA, HDMI, HDCP-compliant <i>Some:</i> NVIDIA GeForce 9500M G , PCI Express x16, 512MB memory, DirectX 10, PureVideo HD technology, VGA, HDMI, HDCP-compliant	
Keyboard Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, recovery key Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(<i>WxDxH</i>): 14.2" x 10.3" x 1.2" to 1.4"; 360mm x 262mm x 29 to 36mm with optical drive and battery: <i>6-cell</i> : 6.6 lb (2.98 kg) Black top, black bottom ABS plastic; <i>Palm rest</i> : ABS plastic Lithium Ion 6-cell , 5200 mAh, smart battery, 5-bar battery indicator Up to 3 hr	
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), PCI bus (Ricoh® R5C833 Cardbus/1394/Multicard), LPC bus (IT8752 Super I/O)	90-watt AC adapter Wireless on/off switch RoHS-compliant
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	Limited Warranty¹² ⚡ 1-year parts and labor ⚡ Depot repair service¹⁹ ⚡ Service upgrade options (in eligible locations):⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⚡ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator 56K V.92 ⁶ modem 10/100 ethernet, Broadcom® BCM5906M, PCI 2.3 Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers (1 watt) and subwoofer (2.5 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information
US models announced February 24, 2009
US models withdrawn effective July 2009

* Intel Centrino® processor technology
⚡ Intel Centrino 2 processor technology

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Lenovo IdeaPad Y710



Lenovo IdeaPad Y710



Lenovo IdeaPad Y710



Lenovo IdeaPad Y710
(Game Zone on select models)



Lenovo IdeaPad Y710
(Game Zone on select models)



Lenovo IdeaPad Y710

Part number	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk(s)	EIDE optical	Mini PCIe 802.11 wireless	Blue-tooth	Vista preload	Avail date
59012817	T5450	1.66	2GB	17.0" WXGA+	Camera	HD 2600	1 x 250GB ⁸	DVD±RW	*Intel 11n ²⁸	Blue	Home Prem	Jan 08
59013787	T5550	1.83	3GB	17.0" WXGA+	Camera	HD 2600	1 x 250GB	DVD±RW	*Intel 11n	Blue	Home Prem	Apr 08
59012816	T9300	2.50	2GB	17.0" WXGA+	Camera	HD 2600	2 x 250GB	Blu-ray	*Intel 11n	Blue	Home Prem	Feb 08
59013334	T9300	2.50	2GB	17.0" WXGA+	Camera	HD 2600	2 x 250GB	Blu-ray	*Intel 11n	Blue	Home Prem	Mar 08

- **17.0" widescreen, glossy display**
- **Frameless screen (no plastic frame) to extend to the edges of the PC**
- **Blue metallic finish**
- **Halo Lighting to emit a different color light from side bezel and Lenovo logo on cover**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Dolby® Home Theater™ premium audio system with four speakers and one subwoofer**
- **Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume and equalizer controls on the keyboard**
- **HDMI port, HDCP-compliant**
- **One key system recovery**
- **Hot-swap secondary disk capability on select models**

Positioning Processor	<i>Widescreen flexibility</i> Intel® Core™ 2 Duo processor T5450 or T5550 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep® technology ¹ , Execute Disable Bit, 667MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor T9300 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep® technology, Intel Dynamic Acceleration, Execute Disable Bit, 800MHz bus, and 6MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® Vista® Home Premium 32 ◇ Vista Premium logo
Memory	2GB or 3GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications ¹⁴ • Lenovo® OneKey Recovery • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • EarthLink® • Energy Cut • Lenovo Shuttle Center (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray)
Diskette drive EIDE DVD±RW EIDE Blu-ray™	None (use optional USB-based diskette drive) <i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in <i>Some:</i> Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD and CD recordable, not removable, 12.7mm high, tray-in	
SATA disk Secondary disk	250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable <i>Some:</i> 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable, hot-swap support, external support via USB cable	
Widescreen display Camera	17.0" (431.8mm) WXGA+ (1440x900) TFT color, VibrantView (glossy), CCFL backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio, frameless screen Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	ATI™ Mobility Radeon™ HD 2600 , PCI Express® x16, 256MB memory, DirectX® 10, ATI Avivo™, VGA connector (with VGA-in support), HDMI connector, HDCP-compliant	
Keyboard Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, numeric keypad on right Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.5" x 11.2" x 1.02" to 1.53"; 395mm x 285mm x 26 to 39mm with optical drive and battery: 7.9 lb (3.6 kg) Blue top, black bottom ABS plastic Lithium Ion 6-cell , 5200 mAh, smart battery, 5-bar battery indicator Up to 3.5 hr	Available at these retailers • B&H™ • J&R™ • RCSEXPERIENCE • TigerDirect
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express 1.1, PCI 2.3), LPC bus	135-watt AC adapter Wireless on/off switch VGA in/out switch RoHS-compliant
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	Limited Warranty ¹² ⇒ 1-year parts and labor ⇒ Depot repair service ¹⁹ ⇒ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ • 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ • 9x5 Next Business Day with accidental damage protection 43R8884 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
TV tuner Mini PCI Express Intel 11n ²⁸	None One Mini PCI Express slot 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)	
Bluetooth™ Modem Ethernet Audio support	Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator 56K V.92 ⁶ modem 10/100 ethernet, Broadcom® BCM5906M, PCI 2.3 Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers(1.5 watt) and subwoofer (3 watt), Dolby Home Theater Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None	

See footnotes for important warranty information * Intel Centrino® processor technology
US models announced January 6, January 29, March 25, or April 15, 2008
US models withdrawn effective September 2009

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Part number	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk(s)	EIDE optical	Mini PCIe 802.11 wireless	Blue-tooth	Game Zone	Vista preload	Avail date
59013729	T8100	2.10	4GB	17.0" WUXGA	Camera	HD 2600	1 x 250GB ⁸	DVD±RW	*Intel 11n ²⁸	Blue	Game	Home Prem	May 08
59013620	X9000	2.80	4GB	17.0" WUXGA	Camera	HD 2600	2 x 250GB	Blu-ray	*Intel 11n	Blue	Game	Home Prem	Jun 08
59013785	X9000	2.80	4GB	17.0" WUXGA	Camera	HD 2600	2 x 250GB	Blu-ray	*Intel 11n	Blue	Game	Home Prem	Jun 08

- 17.0" widescreen, glossy display
- Frameless screen (no plastic frame) to extend to the edges of the PC
- Blue metallic finish
- Halo Lighting to emit a different color light from side bezel and Lenovo logo on cover
- Game Zone with secondary display, user-defined keys, performance control switch and enlarged direction keys
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater™ premium audio system with four speakers and one subwoofer
- Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume and equalizer controls on the keyboard
- HDMI port, HDCP-compliant
- One key system recovery

Positioning Processor	Widescreen flexibility Intel® Core™ 2 Duo processor T8100 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep® technology, Intel Dynamic Acceleration, Execute Disable Bit, 800MHz bus, and 3MB L2 cache or Intel Core 2 Extreme processor X9000 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep® technology, Execute Disable Bit, 800MHz bus, and 6MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® Vista® Home Premium 32 ◇ Vista Premium logo Preloaded applications ¹⁴ • Lenovo® OneKey Recovery • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • EarthLink® • Energy Cut • Lenovo Shuttle Center (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray)
Memory	4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive EIDE DVD±RW EIDE Blu-ray™	None (use optional USB-based diskette drive) <i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in <i>Some:</i> Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD and CD recordable, not removable, 12.7mm high, tray-in	
SATA disk Secondary disk	250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable <i>Some:</i> 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable, hot-swap support, external support via USB cable	
Widescreen display Camera	17.0" (431.8mm) WUXGA (1920x1200) TFT color, VibrantView (glossy), CCFL backlight, 300 nits, 16:10 aspect ratio, 500:1 contrast ratio, frameless screen Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	ATI™ Mobility Radeon™ HD 2600 , PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™, VGA connector (with VGA-in support), HDMI connector, HDCP-compliant	
Keyboard Game Zone Multimedia controls Touch pad	Full-size keyboard, 6-row, 84-key, multimedia Fn keys Secondary display, user-defined keys, performance switch, enlarged direction keys Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(<i>WxDxH</i>): 15.5" x 11.2" x 1.02" to 1.53"; 395mm x 285mm x 26 to 39mm with optical drive and battery: 7.9 lb (3.6 kg) Blue top, black bottom ABS plastic Lithium Ion 6-cell , 5200 mAh, smart battery, 5-bar battery indicator Up to 3.5 hr	Available at these retailers • B&H™ • J&R™ • Newegg® • RCSEXPERIENCE • TigerDirect
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express 1.1, PCI 2.3), LPC bus	135-watt AC adapter Wireless on/off switch VGA in/out switch RoHS-compliant
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54) 6-in-1 reader (MultiMedia Card, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	Limited Warranty ¹² ↔ 1-year parts and labor ↔ Depot repair service ¹⁹ ↔ Service upgrade options (in eligible locations): ⁹ • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
TV tuner Mini PCI Express Intel 11n ²⁸	None One Mini PCI Express slot 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)	
Bluetooth™ Modem	Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator 56K V.92 ⁶ modem	
Ethernet Audio support	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3 Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers(1.5 watt) and subwoofer (3 watt), Dolby Home Theater Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None	

See footnotes for important warranty information
US models announced May 12 or June 27, 2008
US models withdrawn effective September 2009

* Intel Centrino® processor technology

Part number	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk(s)	EIDE optical	Mini PCIe 802.11 wireless	Bluetooth	Keypad / Game Zone	Vista preload	Avail date
59014906	T2390	1.86	2GB	17.0" WXGA+	Camera	HD 2600 512M	1 x 160GB ⁸	DVD±RW	Intel 11n ²⁸	Blue	Keypad	Home Prem	Jul 08
59014832	T2390	1.86	2GB	17.0" WXGA+	Camera	HD 2600 512M	1 x 250GB	DVD±RW	Intel 11n	Blue	Keypad	Home Prem	Aug 08
59014756	T2390	1.86	3GB	17.0" WXGA+	Camera	HD 2600 512M	1 x 250GB	DVD±RW	Intel 11n	Blue	Keypad	Home Prem	Jul 08
59014927	T5750	2.00	2GB	17.0" WXGA+	Camera	HD 2600 512M	1 x 250GB	DVD±RW	* Intel 11n	Blue	Keypad	Home Prem	Jul 08
59013620	X9000	2.80	4GB	17.0" WUXGA	Camera	HD 2600 512M	2 x 250GB	Blu-ray	* Intel 11n	Blue	Game	Home Prem	Jul 08
<ul style="list-style-type: none"> • 17.0" widescreen, glossy display • Frameless screen (no plastic frame) to extend to the edges of the PC • Blue metallic finish • Game Zone with secondary display, user-defined keys, performance control switch and enlarged direction keys on select models • Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face. • Dolby® Home Theater™ premium audio system with four speakers and one subwoofer • HDMI port, HDCP-compliant • Hot-swap secondary disk capability on select models 													
Positioning Processor	Widescreen flexibility Intel® Pentium® Processor T2390 with dual-core, Intel 64 Technology, 533MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5750 with dual-core, Intel 64 Technology, 667MHz system bus, and 2MB L2 cache or Intel Core 2 Extreme processor X9000 with dual-core, Intel 64 Technology, 800MHz bus, and 6MB L2 cache										Preloaded operating system²⁰ - Genuine Windows® Vista® Home Premium 32 ⇨ Vista Premium logo Preloaded applications¹⁴ • Lenovo® OneKey Recovery • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • EarthLink® • Energy Cut • Lenovo Shuttle Center (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray)		
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available												
Diskette drive	None (use optional USB-based diskette drive)												
EIDE DVD±RW	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in												
EIDE Blu-ray™	Some: Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD and CD recordable, not removable, 12.7mm high, tray-in												
SATA disk	160 (5400 rpm) or 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable												
Secondary disk	Some: 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable, hot-swap support, external support via USB cable												
Widescreen display	Some: 17.0" (431.8mm) WXGA+ (1440x900) TFT color , 200 nits Some: 17.0" (431.8mm) WUXGA (1920x1200) TFT color , 300 nits All: VibrantView (glossy), CCFL backlight, 16:10 aspect ratio, 500:1 contrast ratio, frameless screen												
Camera	Camera on top of screen, 1.3-megapixel, fixed focus												
Graphics	ATI™ Mobility Radeon™ HD 2600 , PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™, VGA connector (with VGA-in support), HDMI connector, HDCP-compliant												
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys												
Numeric keypad	Some: Numeric keypad on right of keyboard												
Game Zone	Some: Secondary display, user-defined keys, performance switch, enlarged direction keys												
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key												
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)												
Dimensions ³	(WxDxH): 15.5" x 11.2" x 1.02" to 1.53"; 395mm x 285mm x 26 to 39mm										Available at these retailers • B&H™ • Newegg® • TigerDirect • The Source (Canada)		
Weight ²	with optical drive and battery: 7.9 lb (3.6 kg)												
Case color	Blue top, black bottom												
Case material	ABS plastic												
Battery - type	Lithium Ion 6-cell , 5200 mAh, smart battery, 5-bar battery indicator												
Battery - life ¹⁰	Up to 3.5 hr												
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express 1.1, PCI 2.3), LPC bus										135-watt AC adapter Wireless on/off switch VGA in/out switch RoHS-compliant		
ExpressCard/54	One slot (ExpressCard/34, ExpressCard/54)										Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686		
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™) Four USB 2.0, external monitor (VGA DB-15, HDMI), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)												
Ports													
TV tuner	None												
Mini PCI Express	One Mini PCI Express slot												
Intel 11n ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)												
Bluetooth™	Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator												
Modem	56K V.92 ⁶ modem												
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3												
Audio support	Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers(1.5 watt) and subwoofer (3 watt), Dolby Home Theater Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Fingerprint reader	None												

See footnotes for important warranty information
 US models announced July 15, 2008
 US models withdrawn effective September 2009

* Intel Centrino® processor technology

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk(s)	EIDE optical	Mini PCIe 802.11 wireless	Bluetooth	Keypad / Game Zone	Vista preload	Avail date
4054-2CU	T5550	1.83	2GB	17.0" WXGA+	Camera	HD 2600 256M	1 x 250GB ⁸	DVD±RW	*Intel 11n ²⁸	Blue	Keypad	Home Prem	May 08
4054-2DU	T5750	2.00	2GB	17.0" WXGA+	Camera	HD 2600 256M	1 x 250GB	DVD±RW	*Intel 11n	Blue	Keypad	Home Prem	Aug 08
4054-2AU	T8100	2.10	4GB	17.0" WUXGA	Camera	HD 2600 512M	1 x 250GB	DVD±RW	*Intel 11n	Blue	Game	Home Prem	May 08
4054-2BU	X9000	2.80	4GB	17.0" WUXGA	Camera	HD 2600 512M	2 x 250GB	Blu-ray	*Intel 11n	Blue	Game	Home Prem	May 08
<ul style="list-style-type: none"> • 17.0" widescreen, glossy display • Frameless screen (no plastic frame) to extend to the edges of the PC • Blue metallic finish • Game Zone with secondary display, user-defined keys, performance control switch and enlarged direction keys on select models • Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face. • Dolby® Home Theater™ premium audio system with four speakers and one subwoofer • HDMI port, HDCP-compliant • Hot-swap secondary disk capability on select models 													
Positioning Processor	<i>Widescreen flexibility</i> Intel® Core™ 2 Duo processor T5550 or T5750 with dual-core, Intel 64 Technology, 667MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor T8100 with dual-core, Intel 64 Technology, Intel Dynamic Acceleration, 800MHz bus, and 3MB L2 cache or Intel Core 2 Extreme processor X9000 with dual-core, Intel 64 Technology, 800MHz bus, and 6MB L2 cache										Preloaded operating system²⁰ - Genuine Windows® Vista® Home Premium 32 ♦ Vista Premium logo Preloaded applications¹⁴ <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Norton® AntiVirus 2007 (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • EarthLink® • Energy Cut • Lenovo Shuttle Center (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray) 		
Memory	2GB or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available												
Diskette drive	None (use optional USB-based diskette drive)												
EIDE DVD±RW	<i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in												
EIDE Blu-ray™	<i>Some:</i> Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD and CD recordable, not removable, 12.7mm high, tray-in												
SATA disk	250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable												
Secondary disk	<i>Some:</i> 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable, hot-swap support, external support via USB cable												
Widescreen display	<i>Some:</i> 17.0" (431.8mm) WXGA+ (1440x900) TFT color , 200 nits <i>Some:</i> 17.0" (431.8mm) WUXGA (1920x1200) TFT color , 300 nits <i>All:</i> VibrantView (glossy), CCFL backlight, 16:10 aspect ratio, 500:1 contrast ratio, frameless screen												
Camera	Camera on top of screen, 1.3-megapixel, fixed focus												
Graphics	ATI™ Mobility Radeon™ HD 2600 , PCI Express® x16, DirectX® 10, ATI Avivo™, VGA connector (with VGA-in support), HDMI connector, HDCP-compliant, 256MB or 512MB graphic memory												
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys												
Numeric keypad	<i>Some:</i> Numeric keypad on right of keyboard												
Game Zone	<i>Some:</i> Secondary display, user-defined keys, performance switch, enlarged direction keys												
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key												
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)												
Dimensions ³	(WxDxH): 15.5" x 11.2" x 1.02" to 1.53"; 395mm x 285mm x 26 to 39mm												
Weight ²	with optical drive and battery: 7.9 lb (3.6 kg)												
Case color	Blue top, black bottom												
Case material	ABS plastic												
Battery - type	Lithium Ion 6-cell , 5200 mAh, smart battery, 5-bar battery indicator												
Battery - life ¹⁰	Up to 3.5 hr										Available at these retailers • lenovo.com		
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express 1.1, PCI 2.3), LPC bus										135-watt AC adapter Wireless on/off switch VGA in/out switch RoHS-compliant		
ExpressCard/54 Multicard reader	One slot (ExpressCard/34, ExpressCard/54)												
Ports	6-in-1 reader (MultiMedia Card, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™) Four USB 2.0, external monitor (VGA DB-15, HDMI), S-video, modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)										Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year accidental damage protection via depot 43R8885 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 43R8883 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 43R8884 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686		
TV tuner	None												
Mini PCI Express Intel 11n ²⁸	One Mini PCI Express slot 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)												
Bluetooth™	Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator												
Modem	56K V.92 ⁶ modem												
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3												
Audio support	Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers(1.5 watt) and subwoofer (3 watt), Dolby Home Theater Speaker System / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Fingerprint reader	None												

See footnotes for important warranty information
 US models announced April 29 or August 12, 2008
 US models withdrawn effective September 2009

* Intel Centrino® processor technology



Lenovo IdeaPad Y730
Valencia Orange



Lenovo IdeaPad Y730
Valencia Orange



Lenovo IdeaPad Y730



Lenovo IdeaPad Y730
Dark Blue, Glossy Finish



Lenovo IdeaPad Y730
Valencia Orange



Lenovo IdeaPad Y730
Valencia Orange

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk(s)	SATA optical	Mini PCIe 802.11 wireless	Top color	Bluetooth	Keypad / Game Zone	Vista preload	Avail date
4053-2DU	T3200	2.00	2GB	17.0" WXGA+	Cam	GMA	1 x 160GB ⁸	DVD±RW	Intel 5100 ²⁸	Blue	None	Keypad	Prem 32	Sep 08

- 17.0" widescreen, glossy display
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater™ premium audio system with four speakers and one subwoofer
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning Processor	Widescreen flexibility Intel® Pentium® processor T3200 with dual-core, 667MHz system bus, and 1MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® Vista® Home Premium 32 ↗ Vista Premium logo Preloaded applications¹⁴ • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • Napster™ To Go® • WildGames™ • Carbonite Online Backup • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in	
Primary SATA disk	160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, upgradable	
Second SATA disk	None	
Disk bays	Two internal disk bays, 9.5mm high	
Widescreen display	17.0" (431.8mm) WXGA+ (1440x900) TFT color, VibrantView (glossy) CCFL backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys	
Numeric keypad	Numeric keypad on right of keyboard	
Game Zone	None	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(<i>WxDxH</i>): 15.5" x 11.2" x 1.22" to 1.53"; 395mm x 285mm x 31 to 39mm	
Weight ²	with optical drive and battery: 7.9 lb (3.6 kg)	
Case color	<i>Top:</i> dark blue, flat finish; <i>Bottom:</i> black	
Case material	ABS plastic	
Battery - type	Lithium Ion 6-cell , 5200 mAh, smart battery, 5-bar battery indicator	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC)	Available at these retailers • lenovo.com
ExpressCard/54	One ExpressCard/34 or ExpressCard/54	135-watt AC adapter Wireless on/off switch RoHS-compliant
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	Limited Warranty¹² ↗ 1-year parts and labor ↗ Depot repair service¹⁹ ↗ Service upgrade options (in eligible locations):⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ↗ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Mini PCI Express	One Mini PCI Express slot	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers (1.5 watt) and subwoofer (3 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US model announced September 16, 2008
 US model withdrawn effective December 2010

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Part number	Processor	GHz	Memory	Widescreen display	Camera	Discrete graphics	SATA disk(s)	SATA optical	Mini PCIe 802.11 wireless	Top color	Keypad / Game Zone	ENERGY STAR 5.0	Vista preload	Avail date
59016615	T3200	2.00	2GB	17.0" WXGA+	Cam	HD 3650	1 x 250GB ⁸	DVD±RW	Intel 5100 ²⁸	Blue	Keypad	None	Prem 32	Nov 08
59016609	T3200	2.00	3GB	17.0" WXGA+	Cam	HD 3650	1 x 160GB	DVD±RW	Intel 5100	Blue	Keypad	None	Prem 32	Nov 08
59016799	T3200	2.00	3GB	17.0" WXGA+	Cam	HD 3650	1 x 160GB	DVD±RW	Intel 5100	Blue	Keypad	None	Prem 32	Nov 08
59016821	T5800	2.00	4GB	17.0" WXGA+	Cam	HD 3650	1 x 250GB	DVD±RW *	Intel 5100	Blue	Keypad	None	Prem 64	Nov 08
59016620	T5800	2.00	4GB	17.0" WXGA+	Cam	HD 3650	1 x 250GB	DVD±RW *	Intel 5100	Blue	Keypad	None	Prem 64	Dec 08
59016437	P8400	2.26	4GB	17.0" WXGA+	Cam	HD 3650	1 x 320GB	DVD±RW ⇨	Intel 5100	Blue	Keypad	None	Prem 64	Oct 08

- 17.0" widescreen, glossy display
- Halo lighting that changes color based on processor speed or customer preferences
- Dark blue color with glossy piano finish
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater™ premium audio system with four speakers and one subwoofer
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor	Intel® Pentium® processor T3200 with dual-core, 667MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T5800 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P8400 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64 ⇨ Vista Premium logo
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications ¹⁴ (only some listed) • Lenovo® OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray)
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in	Available at these retailers • B&H™ • J&R™ • TigerDirect • Supercom (Canada)
Primary SATA disk	160 (5400 rpm), 250 (5400 rpm), or 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, upgradable	
Second SATA disk	None	135-watt AC adapter Wireless on/off switch VGA in/out switch RoHS-compliant
Disk bays	Two internal disk bays, 9.5mm high	
Widescreen display	17.0" (431.8mm) WXGA+ (1440x900) TFT color, VibrantView (glossy), CCFL backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio, frameless screen	Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Discrete graphics	ATI™ Mobility Radeon™ HD 3650, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD, VGA connector (with VGA-in support), HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys	
Numeric keypad	Numeric keypad on right of keyboard	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 15.5" x 11.2" x 1.22" to 1.53"; 395mm x 285mm x 31 to 39mm	
Weight ²	with optical drive and battery: 7.9 lb (3.6 kg)	
Case color	Top: dark blue, glossy finish; Bottom: black	
Case material	ABS plastic	
Battery - type	Lithium Ion 6-cell, 5200 mAh, smart battery, 5-bar battery indicator	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC)	
ExpressCard/54	One slot (ExpressCard/34, ExpressCard/54)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Mini PCI Express	Three Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator	
Modem	56K V.92 ⁶ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers (1.5 watt) and subwoofer (3 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
US models announced December 10, October 22 or November 12, 2008
US models withdrawn effective December 2010

* Intel Centrino® processor technology
⇨ Intel Centrino 2 processor technology

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(MB2-3) December 2010

IdeaPad™ Y730 (4053) - ATI - withdrawn

Type-model	Processor	GHz	Memory	Widescreen display	Discrete graphics	VGA-in	SATA disk(s)	SATA optical	Mini PCIe 802.11 wireless	Top color	Keypad / Game Zone	ENERGY STAR 5.0	Vista preload	Avail date
4053-2FU	T5800	2.00	2GB	17.0" WXGA+	HD 3650	VGA-in	1 x 320GB ⁸	DVD±RW	* Intel 5100 ²⁸	Blue	Keypad		Prem 32	Sep 08
4053-2GU	T5800	2.00	3GB	17.0" WXGA+	HD 3650	VGA-in	1 x 320GB	DVD±RW	* Intel 5100	Blue	Keypad		Prem 32	Sep 08
4053-2CU	P7350	2.00	3GB	17.0" WXGA+	HD 3650	VGA-in	1 x 320GB	DVD±RW	⚡ Intel 5100	Blue	Keypad	ES50	Prem 64	Aug 08
4053-2BU	P8400	2.26	3GB	17.0" WXGA+	HD 3650	VGA-in	1 x 320GB	DVD±RW	⚡ Intel 5100	Blue	Keypad	ES50	Prem 64	Aug 08
4053-2AU	P8400	2.26	4GB	17.0" WUXGA	HD 3650		1 x 320GB	DVD±RW	⚡ Intel 5100	Orange	Game	ES50	Prem 64	Aug 08
4053-2EU	X9100	3.06	4GB	17.0" WUXGA	HD 3650		2 x 320GB	Blu-ray	Intel 5100	Orange	Game		Prem 64	Sep 08

- 17.0" widescreen, glossy display
- Halo lighting that changes color based on processor speed or customer preferences
- Dark blue or valencia orange color with glossy piano finish
- Game Zone with secondary display, user-defined keys, performance control switch and enlarged direction keys on select models
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater™ premium audio system with four speakers and one subwoofer
- Hot-swap secondary disk capability on select models
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor	Intel® Core™ 2 Duo processor T5800 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7350 or P8400 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Extreme processor X9100 with dual-core, Intel HD boost, 1066MHz system bus, and 6MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64 ⚡ Vista Premium logo
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications ¹⁴ • Lenovo® OneKey Recovery • Lenovo ReadyComm • Lenovo Idea Central (Premium 64-bit models only) • Lenovo Idea Notes (Premium 64-bit models only) • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • Napster™ To Go® (Premium 32-bit models only) • WildGames™ • Carbonite Online Backup • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray)
SATA DVD±RW SATA Blu-ray™	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in Some: Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, tray-in	
Primary SATA disk	320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, upgradable	
Second SATA disk	Some: 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable, hot-swap support, external support via USB cable	
Disk bays	Two internal disk bays, 9.5mm high	
Widescreen display	Some: 17.0" (431.8mm) WXGA+ (1440x900) TFT color, 200 nits Some: 17.0" (431.8mm) WUXGA (1920x1200) TFT color, 300 nits All: VibrantView (glossy), 16:10 aspect ratio, 500:1 contrast, frameless screen	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Discrete graphics	ATI™ Mobility Radeon™ HD 3650, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD, VGA connector (with VGA-in support on some models), HDMI connector, HDCP-compliant	
Keyboard Numeric keypad Game Zone	Full-size keyboard, 6-row, 84-key, multimedia Fn keys Some: Numeric keypad on right of keyboard Some: Secondary display, user-defined keys, performance switch, enlarged direction keys	
Multimedia controls Touch pad	Touch-sensitive audio-video control panel, Shuttle Key Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.5" x 11.2" x 1.22" to 1.53"; 395mm x 285mm x 31 to 39mm with optical drive and battery: 7.9 lb (3.6 kg) Top: dark blue or valencia orange, glossy finish; Bottom: black ABS plastic Lithium Ion 6-cell, 5200 mAh, smart battery, 5-bar battery indicator Up to 3.5 hr	Available at these retailers • lenovo.com
Chipset	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC)	135-watt AC adapter Wireless on/off switch Some: VGA in/out switch RoHS-compliant
ExpressCard/54 Multicard reader	One ExpressCard/34 or ExpressCard/54 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, xD-Picture Card™)	Limited Warranty¹² ⚡ 1-year parts and labor ⚡ Depot repair service ¹⁹ ⚡ Service upgrade options (in eligible locations): ⁹ • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⚡ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator 56K V.92 ⁶ modem 10/100 ethernet, Broadcom® BCM5906M, PCI 2.3 Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers (1.5 watt) and subwoofer (3 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None	

See footnotes for important warranty information
 US models announced August 16 or September 19, 2008 ⚡ Intel Centrino® processor technology
 US models withdrawn effective December 2010

Type-model	Processor	GHz	Memory	Widescreen display	Discrete graphics	VGA-in	SATA disk(s)	SATA optical	Mini PCIe 802.11 wireless	Top color	Keypad / Game Zone	ENERGY STAR 5.0	Vista preload	Avail date
4053-2MU	T6400	2.00	2GB	17.0" WXGA+	HD 3650		1 x 320GB ⁸	DVD±RW *	Intel 5100 ²⁸	Blue	Keypad	None	Prem 32	Mar 09
4053-2NU	T6400	2.00	3GB	17.0" WXGA+	HD 3650		1 x 320GB	DVD±RW *	Intel 5100	Blue	Keypad	None	Prem 32	Apr 09
4053-33U	P7350	2.00	4GB	17.0" WUXGA	HD 3650		1 x 320GB	DVD±RW †	Intel 5100	Orange	Game	None	Prem 64	Nov 08
4053-2LU	P7450	2.13	3GB	17.0" WXGA+	HD 3650		1 x 320GB	DVD±RW †	Intel 5100	Blue	Keypad	None	Prem 64	Mar 09
4053-35U	P8400	2.26	4GB	17.0" WXGA+	HD 3650	VGA-in	1 x 320GB	DVD±RW †	Intel 5100	Blue	Keypad	None	Prem 64	Nov 08
4053-32U	P8600	2.40	3GB	17.0" WUXGA	HD 3650		1 x 320GB	DVD±RW †	Intel 5100	Orange	Game	None	Prem 32	Nov 08
4053-2QU	P8600	2.40	4GB	17.0" WXGA+	HD 3650		1 x 320GB	DVD±RW †	Intel 5100	Blue	Keypad	None	Prem 64	May 09
4053-2HU	P8600	2.40	4GB	17.0" WUXGA	HD 3650		1 x 320GB	DVD±RW †	Intel 5100	Orange	Game	None	Prem 64	Mar 09
4053-2JU	P8600	2.40	4GB	17.0" WUXGA	HD 3650		1 x 320GB	DVD±RW †	Intel 5100	Orange	Game	None	Prem 64	Apr 09
4053-34U	T9400	2.53	4GB	17.0" WUXGA	HD 3650		2 x 320GB	Blu-ray †	Intel 5100	Orange	Game	None	Prem 64	Nov 08

- 17.0" widescreen, glossy display
- Halo lighting that changes color based on processor speed or customer preferences
- Game Zone with secondary display, user-defined keys, performance control switch and enlarged direction keys on select models
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Dolby® Home Theater™ premium audio system with four speakers and one subwoofer
- Hot-swap secondary disk capability on select models
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor	Intel® Core™ 2 Duo processor T6400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7350, P7450, P8400, P8600, or T9400 with dual-core, Intel HD Boost, 1066MHz system bus; P7350/P7450/P8400/P8600:3MB L2 cache; T9400: 6MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64 ◇ Vista Premium logo
Memory	2GB, 3GB, or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications ¹⁴ • Lenovo® OneKey Recovery • Lenovo ReadyComm • Lenovo Idea Central (Premium 64-bit models only) • Lenovo Idea Notes (Premium 64-bit models only) • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Windows Live™ Toolbar • Easy Capture • Microsoft® Office 2007 Trial (60-day) • Napster™ To Go® (Premium 32-bit models only) • WildGames™ • Carbonite Online Backup • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray)
SATA DVD±RW	<i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in	
SATA Blu-ray™	<i>Some:</i> Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, tray-in	
Primary SATA disk	320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, upgradable	
Second SATA disk	<i>Some:</i> 320GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable, hot-swap support, external support via USB cable	
Disk bays	Two internal disk bays, 9.5mm high	
Widescreen display	<i>Some:</i> 17.0" (431.8mm) WXGA+ (1440x900) TFT color, 200 nits <i>Some:</i> 17.0" (431.8mm) WUXGA (1920x1200) TFT color, 300 nits <i>All:</i> VibrantView (glossy), 16:10 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Discrete graphics	ATI™ Mobility Radeon™ HD 3650, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD, VGA connector (with VGA-in support on some models), HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys	
Numeric keypad	<i>Some:</i> Numeric keypad on right of keyboard	
Game Zone	<i>Some:</i> Secondary display, user-defined keys, performance switch, enlarged direction keys	
Multimedia controls	Touch-sensitive audio-video control panel, Shuttle Key	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 15.5" x 11.2" x 1.22" to 1.53"; 395mm x 285mm x 31 to 39mm	
Weight ²	with optical drive and battery: 7.9 lb (3.6 kg)	
Case color	<i>Top:</i> dark blue or valencia orange, glossy finish; <i>Bottom:</i> black	
Case material	ABS plastic	
Battery - type	Lithium Ion 6-cell, 5200 mAh, smart battery, 5-bar battery indicator	Available at these retailers • lenovo.com
Battery - life ¹⁰	Up to 3.5 hr	135-watt AC adapter Wireless on/off switch <i>Some:</i> VGA in/out switch RoHS-compliant
Chipset	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC)	
ExpressCard/54	One slot (ExpressCard/34, ExpressCard/54)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
TV tuner	None	
Mini PCI Express	Three Mini PCI Express slots	
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	
Bluetooth™	Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator	
Modem	56K V.92 ⁵ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3	
Audio support	Intel High Definition (HD) Audio, RealTek® ALC888S codec / two main speakers (2 watt), two secondary speakers (1.5 watt) and subwoofer (3 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	None	
See footnotes for important warranty information		
US models announced November 12, 2008 or March 17, April 22, or May 6, 2009		
US models withdrawn effective October 2009 or December 2010		
* Intel Centrino® processor technology		
† Intel Centrino 2 processor technology		
		© Lenovo (MB2-4) December 2010

Limited Warranty¹²
 ⇨ 1-year parts and labor
 ⇨ Depot repair service¹⁹
 ⇨ Service upgrade options (in eligible locations):⁹
 • 1-year Onsite with accidental damage protection 78Y1533
 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540
 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541
 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360

IdeaPad™ Z360 (0912) - GMA (Windows 7) - web only models - withdrawn *Personal Systems Reference (PSREF)*

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
0912-33U	i3-350M	2.26		3GB	13.3" HD	LED	1.3M	Intel HD	500GB ⁸	DVD±RW	WiMAX	Black	Bluetooth	Prem 64	Jul 10
0912-34U	i3-370M	2.40		3GB	13.3" HD	LED	1.3M	Intel HD	500GB	DVD±RW	WiMAX	Black	Bluetooth	Prem 32	Dec 10
0912-36U	i5-460M	2.53	2.80	4GB	13.3" HD	LED	1.3M	Intel HD	500GB	DVD±RW	WiMAX	Black	Bluetooth	Prem 64	Dec 10
0912-37U	i5-480M	2.66	2.93	4GB	13.3" HD	LED	1.3M	Intel HD	500GB	DVD±RW	WiMAX	Black	Bluetooth	Prem 64	Mar 11
0912-38U	i3-380M	2.53		3GB	13.3" HD	LED	1.3M	Intel HD	500GB	DVD±RW	WiMAX	Black	Bluetooth	Prem 32	Mar 11

- **13.3" widescreen, glossy display with LED backlight**
- **Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Advanced Audio certified audio system**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3 processor i3-350M, i3-370M, or i3-380M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or</p> <p>Intel Core i5 processor i5-460M or i5-480M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	<p>3GB or 4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p><i>Italics:</i> standard memory in both sockets; no sockets available</p>	
Diskette drive SATA DVD±RW SATA disk	<p>None</p> <p>DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in</p> <p>500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high</p>	
Widescreen display Camera	<p>13.3" (337.8mm) HD (WXGA1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</p> <p>Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator</p>	
Integrated graphics	<p>Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant</p>	
Keyboard Touch controls	<p>Full-size keyboard, 6-row, recovery button</p> <p>Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management</p>	
Light sensor Touch pad	<p>None</p> <p>Two-button touch pad with scroll feature (no TrackPoint®)</p>	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	<p>(<i>WxDxH</i>): 12.9" x 8.6" x 0.8" to 1.3"; 327mm x 219mm x 20mm to 34mm with optical drive and battery: <i>6-cell</i>: 4.41 lb (2.0kg)</p> <p>Black top, black bottom</p> <p>Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic</p> <p>Lithium Ion 6-cell</p> <p>Up to 5 hr</p>	<p>65-watt AC adapter</p> <p>Wireless on/off switch</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p>
Chipset ExpressCard/34 Multicard reader	<p>Mobile Intel HM55 Express Chipset</p> <p>None</p> <p>4-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card)</p>	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↔ 1-year warranty ↔ Mail In repair service ↔ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ports	<p>Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p>	
TV tuner PCIe Mini Card WiMAX	<p>None</p> <p>One PCIe Mini Card slot</p> <p>11a/b/g/n and WiMAX wireless, PCIe Half Mini Card, Intel Centrino Advanced-N + WiMAX 6250, 2x2 AGN + 1x2 WiMAX</p>	
Bluetooth™ Modem Ethernet Audio support	<p>Bluetooth 2.1 wireless, internal USB 2.0 interface</p> <p>None</p> <p>10/100M ethernet, Atheros® AR8152</p> <p>High Definition (HD) Audio, RealTek® ALC272 codec / stereo speakers (2 watt x 2), Dolby® Advanced Audio™ certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)</p>	
Security Fingerprint reader	<p>User password, hard disk password, supervisor password, security lockhole</p> <p>None</p>	

See footnotes for important warranty information
 US model(s) announced May 12 or December 1, 2010 or March 2, 2011
 US model(s) withdrawn effective March 2013

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Type-model	Pro-cessor	Max turbo GHz	Max (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0912-32U	i5-450M	2.40	2.66	4GB	13.3" HD	LED	1.3M	GF 310M 512MB	500GB ⁸	DVD±RW	WiMAX	Black	Blue	Prem 64	Jul 10
0912-35U	i5-560M	2.66	3.20	4GB	13.3" HD	LED	1.3M	GF 310M 1GB	500GB	DVD±RW	WiMAX	Black	Blue	Prem 64	Dec 10

- 13.3" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Widescreen flexibility; two-spindle Intel® Core™ i5 processor i5-450M or i5-560M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64				
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare				
Diskette drive	None										65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in														
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high														
Widescreen display	13.3" (337.8mm) HD (WXGA1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator														
Discrete graphics	NVIDIA® GeForce® 310M , PCI Express® x16, 512MB or 1GB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant														
Keyboard	Full-size keyboard, 6-row, recovery button														
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management														
Light sensor	None														
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)														
Dimensions ³	<i>(WxDxH):</i> 12.9" x 8.6" x 0.8" to 1.3"; 327mm x 219mm x 20mm to 34mm														
Weight ²	with optical drive and battery: <i>6-cell:</i> 4.41 lb (2.0kg)														
Case color	Black top, black bottom														
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic														
Battery - type	Lithium Ion 6-cell														
Battery - life ¹⁰	Up to 4.5 hr														
Chipset	Mobile Intel HM55 Express Chipset														
ExpressCard/34	None														
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card)														
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)														
TV tuner	None														
PCIe Mini Card	One PCIe Mini Card slot														
WiMAX	11a/b/g/n and WiMAX wireless, PCIe Half Mini Card, Intel Centrino Advanced-N + WiMAX 6250, 2x2 AGN + 1x2 WiMAX														
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface														
Modem	None														
Ethernet	10/100M ethernet, Atheros® AR8152														
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio™ certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)														
Security	User password, hard disk password, supervisor password, security lockhole														
Fingerprint reader	None														

See footnotes for important warranty information
 US model(s) announced May 12 or December 1, 2010
 US model(s) withdrawn effective March 2013

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Lenovo IdeaPad Z460



Lenovo IdeaPad Z460



Lenovo IdeaPad Z460



Lenovo IdeaPad Z560



Lenovo IdeaPad Z560



Lenovo IdeaPad Z460

IdeaPad™ Z460 (0913) - GMA (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
0913-32U	i3-330M	2.13	3GB	14.0" WXGA	LED	0.3M	Intel HD	320GB ⁸	DVD±RW	11b/g/n ²⁸	Black	None	Prem 32	May 10

- 14.0" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32			
Memory	3GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare			
Diskette drive	None										65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant			
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in													
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high													
Widescreen display	14.0" (355.6mm) HD (WXGA1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator													
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant													
Keyboard	Full-size keyboard, 6-row, recovery button													
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management													
Light sensor	None													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)													
Dimensions ³	<i>(WxDxH):</i> 13.4" x 9.1" x 0.7" to 1.4"; 340mm x 231.8mm x 17.2mm to 34.4mm										Limited Warranty¹² ↔ 1-year warranty ↔ Mail In repair service ↔ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Weight ²	with optical drive and battery: <i>6-cell:</i> 4.85 lb (2.2 kg)													
Case color	Black top, black bottom													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion 6-cell													
Battery - life ¹⁰	Up to 4 hr													
Chipset	Mobile Intel HM55 Express Chipset													
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Two PCIe Mini Card slots													
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros chip													
Bluetooth™	None													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8103EL													
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio certification / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)													
Security	User password, hard disk password, supervisor password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information

US model(s) announced May 12, 2010

US model(s) withdrawn effective March 2013

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(EFL3-1) March 2013

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0914-32U	i3-330M	2.13		3GB	15.6" HD	LED	0.3M	Intel HD	320GB ⁸	DVD±RW	11b/g/n ²⁸	Black	None	Prem 64	May 10
0914-38U	i3-350M	2.26		4GB	15.6" HD	LED	1.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black	None	Prem 64	May 10
0914-37U	i5-450M	2.40	2.66	4GB	15.6" HD	LED	1.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black	None	Prem 64	May 10
0914-3NU	i3-370M	2.40		4GB	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	None	Prem 64	Aug 10
0914-3YU	i5-480M	2.66	2.93	4GB	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black (Matte)	None	Prem 64	Feb 11
0914-3ZU	i3-380M	2.53		4GB	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black (Matte)	None	Prem 64	Feb 11
0914-4DU	i3-380M	2.53		4GB	15.6" HD	LED	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black (Matte)	None	Prem 64	Feb 11
0914-4EU	P6200	2.13		4GB	15.6" HD	LED	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black (Matte)	None	Prem 64	Feb 11

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® processor P6200 with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), and 3MB cache or Intel Core™ i3 processor i3-330M, i3-350M, i3-370M, or i3-380M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-450M or i5-480M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	3GB or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73 lb (2.6 kg)	
Case color	Black or Black (Matte) top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Limited Warranty¹² ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros® chip	
Bluetooth™	None	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8103EL	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	User password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced May 12 or August 25, 2010 or February 16, 2011

US model(s) withdrawn effective March 2013

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Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0914-3AU	i3-350M	2.26		3GB	15.6" HD	LED	1.3M	Intel HD	500GB ⁸	DVD±RW	11b/g/n ²⁸	Black	Blue	Prem 64	May 10
0914-3DU	i3-350M	2.26		3GB	15.6" HD	LED	1.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black	Blue	Prem 64	May 10
0914-3EU	i5-450M	2.40	2.66	4GB	15.6" HD	LED	1.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Blue	Prem 64	May 10
0914-3JU	i3-370M	2.40		3GB	15.6" HD	LED	1.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black	Blue	Prem 32	Dec 10
0914-3LU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M	Intel HD	500GB	DVD±RW	Intel 1000 ²⁸	Black	Blue	Prem 64	Dec 10
0914-3MU	i3-370M	2.40		4GB	15.6" HD	LED	1.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Blue	Prem 64	Dec 10
0914-3PU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M	Intel HD	750GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10
0914-43U	i3-380M	2.53		4GB	15.6" HD	LED	1.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Blue	Prem 64	Mar 11
0914-46U	i5-480M	2.66	2.93	4GB	15.6" HD	LED	1.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 11

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby Advanced Audio certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-350M, i3-370M, or i3-380M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-450M, i5-460M, or i5-480M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64
Memory	3GB or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 320GB (5400 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard Numeric keypad Touch controls	Full-size keyboard, 6-row, recovery button Numeric keypad on right of keyboard Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor Touch pad	None Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(<i>WxDxH</i>): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm with optical drive and battery: <i>6-cell</i> : 5.73 lb (2.6 kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 4 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	Limited Warranty¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner PCIe Mini Card 11b/g/n ²⁸ Intel 1000 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two PCIe Mini Card slots <i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros® chip <i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000 Bluetooth 2.1 wireless, LED indicator None 10/100M ethernet, Realtek® RTL8103EL High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby® Advanced Audio™ certification / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security Fingerprint reader	User password, hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information
US model(s) announced May 12 or December 1, 2010 or March 2, 2011
US model(s) withdrawn effective March 2013

IdeaPad™ Z560 (0914) - NVIDIA (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0914-39U	i3-350M	2.26	2.53	4GB	15.6" WXGA	LED	1.3M	GF 310M	320GB ⁸	DVD±RW	11b/g/n ²⁸	Black	None	Prem 64	May 10
0914-33U	i5-430M	2.26	2.53	4GB	15.6" WXGA	LED	1.3M	GF 310M	320GB	DVD±RW	11b/g/n	Black	None	Prem 64	May 10

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ certified audio system**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3 processor i3-350M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-430M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® GeForce® G310M , PCI Express® x16, 512MB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	<i>(WxDxH):</i> 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.73 lb (2.6 kg)	
Case color	Black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros chip	
Bluetooth™	None	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8103EL	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio certification / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	User password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	
		65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty¹² <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US model(s) announced May 12, 2010
 US model(s) withdrawn effective March 2013

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Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0914-3BU	i5-540M	2.53	3.06	4GB	15.6" HD	LED	1.3M	GF 310M 512MB	500GB ⁸	DVD±RW	Intel 1000 ²⁸	Black	Blue	Prem 64	May 10
0914-3KU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M	GF 310M 512MB	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10
0914-3HU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M	GF 310M 1GB	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10
0914-48U	i5-480M	2.66	2.93	4GB	15.6" HD	LED	1.3M	GF 310M 1GB	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Feb 11

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5 processor i5-460M, i5-480M, or i5-540M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	
Diskette drive	None	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® GeForce® 310M , PCI Express® x16, 512MB or 1GB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail in repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73 lb (2.6 kg)	
Case color	Black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 1000 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless, LED indicator	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8103EL	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio certification / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	User password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US model(s) announced May 12 or December 1, 2010 or February 16, 2011
 US model(s) withdrawn effective March 2013

Type-model	Pro-processor	GHz	Cores	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Ethernet	Blue-tooth	Win7 preload	Avail date
4311-35U	N530	2.50	2	4GB	15.6" HD	LED	1.3M	HD 4270	320GB ⁸	DVD±RW	11b/g/n ²⁸	Black	1000M	None	Prem 64	Jul 10
4311-36U	N830	2.10	3	4GB	15.6" HD	LED	1.3M	HD 4270	320GB	DVD±RW	11b/g/n	Black	1000M	None	Prem 64	Jul 10
4311-3CU	P540	2.40	2	4GB	15.6" HD	LED	0.3M	HD 4270	500GB	Blu-ray	11b/g/n	Black	100M	None	Prem 64	Aug 10
4311-3DU	P540	2.40	2	4GB	15.6" HD	LED	0.3M	HD 4270	500GB	DVD±RW	11b/g/n	Black	100M	None	Prem 64	Aug 10
4311-3HU	P560	2.50	2	4GB	15.6" HD	LED	0.3M	HD 4270	320GB	DVD±RW	11b/g/n	Black	1000M	None	Prem 64	Mar 11
4311-3JU	P560	2.50	2	4GB	15.6" HD	LED	0.3M	HD 4270	500GB	DVD±RW	11b/g/n	Black	100M	None	Prem 64	Mar 11

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby Advanced Audio certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle AMD® Turion™ II Dual-Core Mobile processor N530, P540, or P560 with dual-core, integrated DDR3 memory controller, and 2MB L2 cache or AMD Phenom™ II Triple-Core Mobile processor N830 with triple-core, integrated DDR3 memory controller, and 1.5MB L2 cache	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Diskette drive	None	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
SATA optical	<i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	ATI™ Mobility Radeon™ HD 4270 Graphics , in M880G, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm	Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail in repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Weight ²	with optical drive and battery: 6-cell: 5.73 lb (2.6 kg)	
Case color	Black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4 hr	
Chipset	AMD M880G Chipset , SB820M south bridge	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros® chip	
Bluetooth™	None	
Modem	None	
Ethernet	<i>Some:</i> 10/100M ethernet, Atheros AR8152 <i>Some:</i> Gigabit ethernet, Atheros AR8151	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby® Advanced Audio™ certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	User password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced July 7 or August 25, 2010 or March 9, 2011

US model(s) withdrawn effective March 2013

IdeaPad™ Z565 (4311) - Discrete (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Cores	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Numeric Keypad	Blue-tooth	Win7 preload	Avail date
4311-37U	P520	2.30	2	4GB	15.6" HD	LED	0.3M	HD 5470	320GB ⁸	DVD±RW	11b/g/n ²⁶	Black	Keypad	None	Prem 64	Jul 10
4311-34U	N530	2.50	2	4GB	15.6" HD	LED	0.3M	HD 5470	320GB	DVD±RW	11b/g/n	Black	Keypad	None	Prem 64	Jul 10

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle AMD® Turion™ II Dual-Core Mobile processor P520 or N530 with dual-core, integrated DDR3 memory controller, and 2MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Diskette drive	None	90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	
Discrete graphics	ATI™ Mobility Radeon™ HD 5470 , PCI Express® x16, 512MB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(<i>WxDxH</i>): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm with optical drive and battery: <i>6-cell</i> : 5.73 lb (2.6 kg)	Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Weight ²	Black top, black bottom	
Case color	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Case material	Lithium Ion 6-cell Up to 3.5 hr	
Battery - type		
Battery - life ¹⁰		
Chipset	AMD M880G Chipset , SB820M south bridge	
ExpressCard/34	One slot (ExpressCard/34)	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
11b/g/n ²⁶	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros chip	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet, Atheros AR8151	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio™ certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	User password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US model(s) announced July 7, 2010
 US model(s) withdrawn effective March 2013

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²⁵ **Wireless WAN Cards:** Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.

²⁸ **The IEEE 802.11n specification (MIMO)** has not been finalized and is currently in draft release. The Lenovo 11a/b/g/n (11n) Wireless LAN Mini PCI Express Adapters are based on the Draft Release, Version 1.0, of the IEEE 802.11n specification. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, or 11a/b/g/n can communicate on any of its supported formats.



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March 2013
lipwbook.pdf



Lenovo IdeaPad S206 (Gray)



Lenovo IdeaPad S206 (Gray)



Lenovo IdeaPad S206 (Gray)



Lenovo IdeaPad S206 (Gray)



Lenovo IdeaPad S206 (White)



Lenovo IdeaPad S206 (White)

IdeaPad™ S206 (2638) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Cores	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Blue-tooth	Battery	Win7 preload	Avail date (mm/yy)
2638-24U	AMD C-60	1.00	2	2GBx1	11.6" HD LED	0.3M	HD 6290	500GB ⁸	11b/g/n ²⁸	None	White	BT	2-cell	Prem 32	06/12
2638-23U	AMD C-60	1.00	2	2GBx1	11.6" HD LED	0.3M	HD 6290	500GB	11b/g/n	None	Gray	BT	2-cell	Prem 32	06/12

- **11.6" widescreen, glossy display with LED backlight**
- **Ultra-portable design for easy mobility; from just 20.7mm thick and weighing 1.3kg**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Widescreen; one-spindle</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32				
Processor	AMD Accelerated Processor C-60 (dual-core, 1.00GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6290 Graphics, AMD Turbo Core technology (Up to 1.33GHz), integrated DDR3 memory controller (up to 1066MHz)										Preloaded applications¹⁴ (only some listed)				
Memory	4GB max / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket; * System automatically clocks down for processors with 1066MHz DDR3 memory controller										<ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® Internet Security (30 days trial) • Adobe® Reader® • Windows Live™ Essentials • PokeTALK • ooVoo™ • Lenovo Energy Management Software • VeriFace • Quick Start • Microsoft Office 2010 preloaded; purchase product key to activate 				
Optical drive	None										40-watt AC adapter EPEAT™ gold rating ENERGY STAR® qualified RoHS-compliant				
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, 2.5" platter														
Widescreen display	11.6" (294.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	Camera on top of screen, 0.3-megapixel, fixed focus														
Integrated graphics	AMD Radeon HD 6290 Graphics , in processor, DirectX® 11, use system memory, External monitor support via digital HDMI connector										Limited Warranty¹² ⇨ 1-year warranty* : * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
Keyboard	Full size keyboard, Fn keys, 6-row														
Touch controls	None														
Light sensor	None														
Touch pad	One-piece touchpad, multi-touch														
Dimensions ³	<i>2-cell: (WxDxH): 11.8" x 7.6" x 0.8"; 299.5mm x 192mm x 20.7mm</i>														
Weight ²	<i>2-cell: starting at 2.84 lb (1.29 kg)</i>														
Case color	<i>Top: white, pink, and gray; bottom: color matches top color</i>														
Case material	<i>Top and bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic</i>														
Battery - type	Lithium Polymer 2-cell, 27Wh														
Battery - life ¹⁰	<i>2-cell: up to 3.5 hr</i>														
Chipset	AMD A50M FCH										⇨ 1-year warranty* : * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
ExpressCard/34	None														
Multicard reader	2-in-1 reader (MultiMedia Card, Secure Digital Card)														
Ports	<i>Left side: one USB 3.0 port and HDMI</i> <i>Right side: one USB 2.0 port and multicard reader</i>														
TV tuner	None														
PCIe Mini Card	One PCI Express Mini Card slot														
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Wi-Fi + Bluetooth combo adapter, Broadcom® or Atheros® chip														
WWAN	None														
Bluetooth™	Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Modem	None														
Ethernet	None														
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input / headphone combo jack (3.5 mm)														
Security	Power-on password, administrator password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(WODY1-1) June 2012



Lenovo IdeaPad S30
(Silver Gray)



Lenovo IdeaPad S30
(Cotton-candy Pink)



Lenovo IdeaPad S30
(Silver Gray)



Lenovo IdeaPad S30



Lenovo IdeaPad 300

IdeaPad™ S300 - Windows 8 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Preload	Avail date (mm/yy)
59359328	i3-3217U	1.80	None	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB	5400	None	None	11b/g/n	Gray	BT	Win8 64	12/12
59359324	Cel 887	1.50	None	4GBx1	13.3" HD LED	720p	Intel HD	500GB	5400	None	None	11b/g/n	Gray	BT	Win8 64	12/12
59359327	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB	5400	None	None	11b/g/n	Gray	BT	Win8 64	12/12
59359323	Cel 887	1.50	None	4GBx1	13.3" HD LED	720p	Intel HD	500GB	5400	None	None	11b/g/n	Pink	BT	Win8 64	12/12

- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Advanced Audio v2 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen; one-spindle</i> Intel® Celeron® 887 processor (2 cores / 2 threads, 1.50GHz, 2MB cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz) Intel Core™ i3-3217U processor (2 cores / 4 threads, 1.80GHz, 3MB cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB cache), integrated Intel HD Graphics 4000, Turbo Boost Technology 2.0 (up to 2.60 GHz), DDR3 memory controller (up to 1600MHz)	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion
Memory	4GB max ⁷ / PC3-10600 1333MHz DDR3 or PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * Celeron processors with 1333MHz DDR3 memory * Core i3 or i5 processors with 1600MHz DDR3 memory	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high	
mSATA™ SSD	None	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics or Intel HD Graphics 4000 in processor, External monitor support via digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	None	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	<i>(WxDxH):</i> 13.02" x 9.06" x 0.35-0.87"; 330.8mm x 230.2mm x 9-22mm	
Weight ²	starting at 3.97 lb (1.80 kg)	
Case color	<i>Top:</i> Silver Gray <i>Bottom:</i> Silver Gray	
Case material	<i>Top:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium, 4-cell , 32Wh	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	up to 5 hr	
Chipset	Mobile Intel HM70 or HM77 Express Chipset * Celeron processors with HM70 Chipset * Core i3 or i5 processors with HM77 Chipset	Limited Warranty¹²
ExpressCard/34	None	↔ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↔ Mail In repair service¹⁹
Ports	One USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	↔ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538
TV tuner	None	↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Broadcom or Atheros chip, Wi-Fi + Bluetooth combo adapter, 1x1	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Advanced Audio v2 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(SHRY1-1) December 2012



Lenovo IdeaPad S400
(Silver Gray)



Lenovo IdeaPad S400
(Crimson Red)



Lenovo IdeaPad S400
(Silver Gray)



Lenovo IdeaPad S400



Lenovo IdeaPad S400

IdeaPad™ S400 - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Preload	Avail date (mm/yy)
59342932	i3-3217U	1.80	None	4GBx1	14.0" HD LED	720p	Intel HD 4000	500GB	5400	None	None	11b/g/n	Gray	None	Win8 64	11/12
59359130	i3-3227U	1.90	None	4GBx1	14.0" HD LED	720p	Intel HD 4000	500GB	5400	None	None	11b/g/n	Gray	None	Win8 64	03/13

- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Advanced Audio v2 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen; one-spindle</i> Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80GHz, 3MB Cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i3-3227U processor (2 cores / 4 threads, 1.90GHz, 3MB Cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz)	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion
Memory	4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, External monitor support via digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	None	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	<i>(WxDxH):</i> 13.25" x 9.50" x 0.33-0.83"; 336.6mm x 241.2mm x 8.5-21mm	
Weight ²	starting at 3.97 lb (1.80 kg)	
Case color	<i>Top:</i> Silver Gray <i>Bottom:</i> Silver Gray	
Case material	<i>Top:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium, 4-cell , 32Wh	
Battery - life ¹⁰	up to 5 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Mail In repair service¹⁹
Ports	One USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538
TV tuner	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Broadcom or Atheros chip, 1x1	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Advanced Audio v2 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(ROYL1-1) March 2013

IdeaPad™ S405 - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Preload	Avail date (mm/yy)
59351953	A6-4455M	2.10	2.60	4GBx1	14.0" HD LED	720p	HD 7520G	500GB	5400	None	None	11b/g/n	Gray	None	Win8 64	12/12
59342926	A6-4455M	2.10	2.60	4GBx1	14.0" HD LED	720p	HD 7520G	500GB	5400	None	None	11b/g/n	Gray	None	Win8 64	12/12
59342927	A8-4555M	1.60	2.40	4GBx1	14.0" HD LED	720p	HD 7640G	500GB	5400	None	None	11b/g/n	Gray	None	Win8 64	12/12

- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Advanced Audio v2 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen; one-spindle</i> AMD Accelerated Processor A6-4455M (dual-core, 2.10GHz, 2MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 2.60GHz), integrated DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor A8-4555M (quad-core, 1.60GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion
Memory	4GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	AMD Radeon HD Graphics in processor, External monitor support via digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	None	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.25" x 9.50" x 0.33-0.83"; 336.6mm x 241.2mm x 8.5-21mm	
Weight ²	starting at 3.97 lb (1.80 kg)	
Case color	<i>Top:</i> Silver Gray <i>Bottom:</i> Silver Gray	
Case material	<i>Top:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium, 4-cell , 32Wh	
Battery - life ¹⁰	up to 5 hr	
Chipset	AMD A70M FCH	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	One USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Broadcom or Atheros chip, 1x1	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Advanced Audio v2 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Mail In repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(MCHA1-1) December 2012



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)

IdeaPad™ Yoga 11 (Windows RT) - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Cores	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Integrated graphics	Storage	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Windows preload	Avail date (mm/yy)
59342980	Tegra3 T30	1.30	Quad	2GB	11.6" HD	LED	5-Point	720p	ULP GeForce	64GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win RT	11/12

- **World's slimmest multi-mode PC with 4 unique ways to use it – notebook, tablet, stand, and tent**
- **11.6" HD screen with wide viewing angle, only 15.6mm thick and 1.24kg in weight**
- **5-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 13 hours long battery life**
- **AccuType keyboard with individual rounded keys for accurate typing**

Positioning	<i>Multi-mode PC</i>											Preloaded operating system²⁰ - Windows® RT			
Processor	NVIDIA® Tegra® 3 T30											Preloaded applications¹⁴ (only some listed) • eBay • Evernote • Lenovo Setting • Rara Streaming • Microsoft Office Home and Student 2013 RT (Included in Windows RT)			
CPU	Quad-Core (Single-Core: up to 1.4 GHz / Quad-Core: up to 1.3 GHz), 1MB L2 cache, ARM® Cortex™-A9 architecture														
GPU	NVIDIA ULP (Ultra-low power) GeForce GPU, integrated in Tegra 3, provides dedicated 2D/3D graphics hardware accelerator, OpenGL ES 2.0 supports 1080p Full HD video out via HDMI connector														
Memory	2GB std / 2GB max ⁷ / PC3-12800 1600MHz DDR3L*, soldered to systemboard, no sockets * System automatically clocks down to 1500MHz for NVIDIA Tegra3 T30 processor														
Diskette drive	None														
Optical drive	None														
Storage	64GB / eMMC (embedded Multi Media Card) flash memory on board														
Widescreen display	11.6" (294mm) HD (1366x768) TFT color, VA (Vertical Alignment) technology, VibrantView (glossy), LED backlight, 350 nits, 16:9 aspect ratio, 800:1 contrast ratio Viewing angle: 170° (+/- 85°) horizontal, 170° (+/- 85°) vertical														
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 5-point, One Glass Solution														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys														
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button														
Touch pad	One-piece touch pad with scroll feature, multi-touch														
Light sensor	Ambient Light Sensor														
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer														
Gyroscope	3-axis gyroscope														
eCompass	Digital compass														
Dimensions ³	4-cell: (WxDxH): 11.7" x 8.0" x 0.61"; 298mm x 204mm x 15.6mm											45-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant			
Weight ²	4-cell: starting at 2.73 lb (1.24kg)														
Case color	Top: Clementine Orange or Silver Gray top; Bottom: Clementine Orange or Silver Gray, color matches top color														
Case material	Top: magnesium aluminium alloy Bottom: magnesium aluminium alloy														
Battery - type	Lithium Polymer, 4-cell, 42Wh											Limited Warranty¹² ↔ 1-year parts and labor ↔ Depot repair service ¹⁹ ↔ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
Battery - life ¹⁰	4-cell: up to 13 hr														
ExpressCard/34	None														
Multicard reader	SD card reader														
Ports	Two USB 2.0, external monitor (HDMI)														
TV tuner	None														
PCIe Mini Card	None														
11b/g/n	11b/g/n wireless ⁴ , Broadcom® BCM4330, Wi-Fi + Bluetooth 4.0 combo chip, 1x1, SDIO interface														
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo chip														
Modem	None														
Ethernet	None														
Audio support	High Definition (HD) Audio, Realtek® ALC5642 codec / stereo speakers (0.5 watt x 2), microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Administrator password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(VNUS1-1) February 2013

IdeaPad™ Yoga 11 (Windows RT) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model / part number	Processor	GHz	Cores	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Integrated graphics	Storage	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Windows preload	Avail date (mm/yy)
2696-2BU	Tegra3 T30	1.30	Quad	2GB	11.6" HD	LED	5-Point	720p	ULP GeForce	32GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win RT	12/12
2696-2CU	Tegra3 T30	1.30	Quad	2GB	11.6" HD	LED	5-Point	720p	ULP GeForce	64GB	11b/g/n	Gray	BT4.0	4-cell	Win RT	12/12

- **World's slimmest multi-mode PC with 4 unique ways to use it – notebook, tablet, stand, and tent**
- **11.6" HD screen with wide viewing angle, only 15.6mm thick and 1.24kg in weight**
- **5-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 13 hours long battery life**
- **AccuType keyboard with individual rounded keys for accurate typing**

Positioning	<i>Multi-mode PC</i>											Preloaded operating system²⁰ - Windows® RT			
Processor	NVIDIA® Tegra® 3 T30											Preloaded applications¹⁴ (only some listed)			
CPU	Quad-Core (Single-Core: up to 1.4 GHz / Quad-Core: up to 1.3 GHz), 1MB L2 cache, ARM® Cortex™-A9 architecture											• eBay			
GPU	NVIDIA ULP (Ultra-low power) GeForce GPU, integrated in Tegra 3, provides dedicated 2D/3D graphics hardware accelerator, OpenGL ES 2.0 supports 1080p Full HD video out via HDMI connector											• Evernote			
Memory	2GB std / 2GB max ⁷ / PC3-12800 1600MHz DDR3L*, soldered to systemboard, no sockets * System automatically clocks down to 1500MHz for NVIDIA Tegra3 T30 processor											• Lenovo Setting			
Diskette drive	None											• Rara Streaming			
Optical drive	None											• Microsoft Office Home and Student 2013 RT			
Storage	32GB or 64GB / eMMC (embedded Multi Media Card) flash memory on board											(Included in Windows RT)			
Widescreen display	11.6" (294mm) HD (1366x768) TFT color, VA (Vertical Alignment) technology, VibrantView (glossy), LED backlight, 350 nits, 16:9 aspect ratio, 800:1 contrast ratio Viewing angle: 170° (+/- 85°) horizontal, 170° (+/- 85°) vertical														
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 5-point, One Glass Solution														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys														
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button														
Touch pad	One-piece touch pad with scroll feature, multi-touch														
Light sensor	Ambient Light Sensor														
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer														
Gyroscope	3-axis gyroscope														
eCompass	Digital compass														
Dimensions ³	4-cell: (WxDxH): 11.7" x 8.0" x 0.61"; 298mm x 204mm x 15.6mm											45-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant			
Weight ²	4-cell: starting at 2.73 lb (1.24kg)														
Case color	Top: Clementine Orange or Silver Gray top; Bottom: Clementine Orange or Silver Gray, color matches top color														
Case material	Top: magnesium aluminium alloy Bottom: magnesium aluminium alloy														
Battery - type	Lithium Polymer, 4-cell, 42Wh											Limited Warranty¹²			
Battery - life ¹⁰	4-cell: up to 13 hr														
ExpressCard/34	None											↪ 1-year parts and labor			
Multicard reader	SD card reader														
Ports	Two USB 2.0, external monitor (HDMI)											↪ Depot repair service ¹⁹			
TV tuner	None											↪ Service upgrade options (in eligible locations): ⁹			
PCIe Mini Card	None											• 1-year Lenovo Onsite Repair ¹³ 78Y1532			
11b/g/n	11b/g/n wireless ⁴ , Broadcom® BCM4330, Wi-Fi + Bluetooth 4.0 combo chip, 1x1, SDIO interface											• 1-year Onsite with accidental damage protection 78Y1533			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo chip											• 2-year Lenovo Onsite Repair ¹³ 78Y1536			
Modem	None											• 3-year Lenovo Depot Repair 78Y1538			
Ethernet	None											↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
Audio support	High Definition (HD) Audio, Realtek® ALC5642 codec / stereo speakers (0.5 watt x 2), microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Administrator password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)

IdeaPad™ Yoga 13 (Windows 8) - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Multi-touch	Cam-era	Integrated graphics	SATA SSD	PcLe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59340248	i5-3317U	1.70	2.60	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win8 64	10/12
59359568	i3-3227U	1.90		4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13
59359567	i5-3337U	1.80	2.70	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13
59359564	i7-3537U	2.00	3.10	8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13
59367091	i5-3337U	1.80	2.70	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	03/13
59366628	i5-3337U	1.80	2.70	8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	03/13

- **World's 1st multi-mode Ultrabook providing the ultimate flexibility between work and play – use as a notebook, tablet, stand, or tent**
- **13.3" HD+ IPS screen with wide viewing angle, only 16.9mm thick and 1.5kg in weight**
- **10-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 8 hours long battery life**
- **Integrated stereo speakers (1 watt x 2) supporting Dolby Home Theater v4 certification for immersive surround sound**
- **AccuType keyboard with individual rounded keys for accurate typing**
- **Lenovo OneKey Recovery makes data backup and recovery simple**

Positioning Processor	<i>Multi-mode Ultrabook™</i> Intel® Core™ i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U processor (2 cores / 4 threads, 1.70 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz) Intel Core i5-3337U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz) Intel Core i7-3537U processor (2 cores / 4 threads, 2.00 GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz)	Preloaded operating system²⁰ - Windows 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • Lenovo Motion Control • Lenovo Transition • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Absolute Reminder • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion • Birzzle™
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3L , non-parity, one 204-pin SO-DIMM socket	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Diskette drive	None	
Optical drive	None	
mSATA™ SSD	128GB or 256GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot, SATA 3.0Gb/s	
Widescreen display	13.3" (337.8mm) HD+ (1600x900) TFT color, IPS Panel, VibrantView (glossy), LED backlight , 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys	
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Light sensor	Ambient Light Sensor	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer	
Gyroscope	3-axis gyroscope	
eCompass	Digital compass	
Dimensions ³	4-cell: (WxDxH): 13.1" x 8.9" x 0.67" ; 333.4mm x 224.8mm x 16.9mm	
Weight ²	4-cell: starting at 3.40 lb (1.54kg)	
Case color	Top: Clementine Orange or Silver Gray top; Bottom: Clementine Orange or Silver Gray, color matches top color	
Case material	Top: magnesium aluminium alloy Bottom: magnesium aluminium alloy	
Battery - type	Lithium Polymer, 4-cell, 54Wh / 3700mAh	
Battery - life ¹⁰	4-cell: up to 8 hr	
Chipset	Mobile Intel QS77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
11b/g/n	11b/g/n wireless ⁴ , Realtek® RTL8732, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1, USB interface	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo adapter	
Modem	None	
Ethernet	None	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1 watt x 2), Dolby® Home Theater® v4 certified/ microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Power on password, Supervisor password, and hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Yoga 13 (Windows 8) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Integrated graphics	SATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59343897	i3-3217U	1.80	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win8 64	10/12
59343898	i5-3317U	1.70	2.60 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	10/12
59343899	i7-3517U	1.90	3.00 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	10/12
2191-2XU	i5-3317U	1.70	2.60 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	12/12
2191-35U	i7-3517U	1.90	3.00 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	12/12
59355467	i7-3517U	1.90	3.00 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	12/12
59359494	i7-3517U	1.90	3.00 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 Pro64	12/12
2191-33U	i3-3217U	1.80	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	01/13
59366350	i7-3537U	2.00	3.10 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 Pro64	01/13
59366358	i5-3337U	1.80	8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13
59366360	i7-3537U	2.00	3.10 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13

- **World's 1st multi-mode Ultrabook providing the ultimate flexibility between work and play – use as a notebook, tablet, stand, or tent**
- **13.3" HD+ IPS screen with wide viewing angle, only 16.9mm thick and 1.5kg in weight**
- **10-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 8 hours long battery life**

Positioning Processor	<i>Multi-mode Ultrabook™</i> Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Core i5-3317U processor (2 cores / 4 threads, 1.70 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz) Intel Core i5-3337U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz) Intel Core i7-3517U processor (2 cores / 4 threads, 1.90 GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz) Intel Core i7-3537U processor (2 cores / 4 threads, 2.00 GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz)	Preloaded operating system²⁰ - Some: Windows® 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • Lenovo Motion Control • Lenovo Transition • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Absolute Reminder • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion • Birzzle™
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3L , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
mSATA™ SSD	128GB or 256GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot, SATA 3.0Gb/s	
Widescreen display	13.3" (337.8mm) HD+ (1600x900) TFT color, IPS Panel, VibrantView (glossy), LED backlight , 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Multi-touch		
Camera		
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys	
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Light sensor	Ambient Light Sensor	
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer	
Gyroscope	3-axis gyroscope	
eCompass	Digital compass	
Dimensions ³	<i>4-cell: (WxDxH):</i> 13.1" x 8.9" x 0.67"; 333.4mm x 224.8mm x 16.9mm	
Weight ²	<i>4-cell:</i> starting at 3.40 lb (1.54kg)	
Case color	<i>Top:</i> Clementine Orange or Silver Gray top; <i>Bottom:</i> Clementine Orange or Silver Gray, color matches top color	
Case material	<i>Top:</i> magnesium aluminium alloy <i>Bottom:</i> magnesium aluminium alloy	
Battery - type	Lithium Polymer, 4-cell, 54Wh / 3700mAh	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	<i>4-cell:</i> up to 8 hr	
Chipset	Mobile Intel QS77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
11b/g/n	11b/g/n wireless ⁴ , Realtek® RTL8732, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1, USB interface	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	None	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Power on password, Supervisor password, and hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(MOCC2-2) February 2013

IdeaPad™ Yoga 13 (Windows 8) - web only (March 2013) - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Integrated graphics	SATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59366353	i3-3227U	1.90	8GBx1	13.3" HD+	IPS LED	10-Point	720p	Intel HD 4000	128GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win8 64	03/13
59366348	i5-3337U	1.80	2.70 8GBx1	13.3" HD+	IPS LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	03/13
59366347	i7-3537U	2.00	3.10 8GBx1	13.3" HD+	IPS LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	03/13
59366357	i5-3337U	1.80	2.70 8GBx1	13.3" HD+	IPS LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	04/13

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- **13.3" HD+ IPS screen with wide viewing angle, only 16.9mm thick and 1.5kg in weight**
- **10-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 8 hours long battery life**
- **Integrated stereo speakers (1 watt x 2) supporting Dolby Home Theater v4 certification for immersive surround sound**
- **AccuType keyboard with individual rounded keys for accurate typing**
- **Lenovo OneKey Recovery makes data backup and recovery simple**

Positioning Processor	<i>Multi-mode Ultrabook™</i> Intel® Core™ i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Core i5-3337U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz) Intel Core i7-3537U processor (2 cores / 4 threads, 2.00 GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz)	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • Lenovo Motion Control • Lenovo Transition • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Absolute Reminder • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion • Birzzle™
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3L , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
mSATA™ SSD	128GB or 256GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot, SATA 3.0Gb/s	
Widescreen display	13.3" (337.8mm) HD+ (1600x900) TFT color, IPS Panel, VibrantView (glossy), LED backlight , 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys	
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Light sensor	Ambient Light Sensor	
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer	
Gyroscope	3-axis gyroscope	
eCompass	Digital compass	
Dimensions ³	<i>4-cell: (WxDxH):</i> 13.1" x 8.9" x 0.67"; 333.4mm x 224.8mm x 16.9mm	
Weight ²	<i>4-cell:</i> starting at 3.40 lb (1.54kg)	
Case color	<i>Top:</i> Clementine Orange or Silver Gray top; <i>Bottom:</i> Clementine Orange or Silver Gray, color matches top color	
Case material	<i>Top:</i> magnesium aluminium alloy <i>Bottom:</i> magnesium aluminium alloy	
Battery - type	Lithium Polymer, 4-cell, 54Wh / 3700mAh	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	<i>4-cell:</i> up to 8 hr	
Chipset	Mobile Intel QS77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
11b/g/n	11b/g/n wireless ⁴ , Realtek® RTL8732, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1, USB interface	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	None	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1 watt x 2), Dolby® Home Theater® v4 certified/ microphone, microphone input and headphone combo jack (3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Power on password, Supervisor password, and hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information

☞ US model(s) announced April 17, 2013; previous model(s) on March 6, 2013

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(MOCC2-3) April 2013



Lenovo IdeaPad U300s
(Clementine Orange)



Lenovo IdeaPad U300s
(Clementine Orange)



Lenovo IdeaPad U300s
(Graphite Gray)



Lenovo IdeaPad U300s
(Clementine Orange)



Lenovo IdeaPad U300s



Lenovo IdeaPad U300s
(Graphite Gray)

IdeaPad™ U300s (1080) - withdrawn

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA SSD	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
1080-2BU	i5-2467M	1.60	2.30	4GB	13.3" HD LED	1.3M	Intel HD 3000	128GB ⁸	Intel 1030 ²⁸	Gray	Bluetooth	4-cell	Prem 64	Nov 11
1080-27U	i7-2677M	1.80	2.90	4GB	13.3" HD LED	1.3M	Intel HD 3000	256GB	Intel 1030	Orange	Bluetooth	4-cell	Prem 64	Nov 11
1080-26U	i7-2677M	1.80	2.90	4GB	13.3" HD LED	1.3M	Intel HD 3000	256GB	Intel 1030	Gray	Bluetooth	4-cell	Prem 64	Nov 11

- **Ultra slim and light design for easy mobility**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen Ultrabook™ Intel® Core™ i5-2467M processor (2 cores / 4 threads, 1.60GHz, 3MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.30GHz) Intel Core i7-2677M processor (2 cores / 4 threads, 1.80 GHz, 4MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz)	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB std / 4GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
SATA SSD	128GB or 256GB Solid State Drive (SSD) / NAND flash memory, SATA 3.0Gb/s	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics 3000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	4-cell: (WxDxH): 12.8" x 8.5" x 0.59" ; 324mm x 216mm x 14.9mm	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Weight ²	4-cell: starting at 2.91 lb (1.32kg)	
Case color	Top: Clementine Orange or Graphite Gray top; Bottom: Clementine Orange or Graphite Gray, color matches top color	
Case material	Top: aluminum Bottom: aluminum	
Battery - type	Lithium Polymer, 4-cell	
Battery - life ¹⁰	4-cell: up to 8 hr	
Chipset	Mobile Intel QS67 Express Chipset	
ExpressCard/34	None	
Multicard reader	None	
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)	
TV tuner	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
PCIe Mini Card	One PCI Express Mini Card slot	
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2	
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	None	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
 US models withdrawn effective March 2014

IdeaPad™ U300s (1080) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA SSD	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
1080-29U	i7-2677M	1.80	2.90	4GB	13.3" HD LED	1.3M	Intel HD 3000	256GB ⁸	Intel 1030 ²⁸	Gray	Bluetooth	4-cell	Prem 64	Dec 11
1080-2AU	i5-2467M	1.60	2.30	4GB	13.3" HD LED	1.3M	Intel HD 3000	128GB	Intel 1030	Gray	Bluetooth	4-cell	Prem 64	Jan 12
1080-28U	i7-2677M	1.80	2.90	4GB	13.3" HD LED	1.3M	Intel HD 3000	256GB	Intel 1030	Orange	Bluetooth	4-cell	Prem 64	Feb 12

- **Ultra slim and light design for easy mobility**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen Ultrabook™</i> Intel® Core™ i5-2467M processor (2 cores / 4 threads, 1.60 GHz, 3MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.30GHz) Intel Core i7-2677M processor (2 cores / 4 threads, 1.80 GHz, 4MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz)	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB std / 4GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
SATA SSD	128GB or 256GB Solid State Drive (SSD) / NAND flash memory, SATA 3.0Gb/s	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics 3000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>4-cell: (WxDxH):</i> 12.8" x 8.5" x 0.59"; 324mm x 216mm x 14.9mm	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Weight ²	<i>4-cell:</i> starting at 2.91 lb (1.32kg)	
Case color	<i>Top:</i> Clementine Orange or Graphite Gray top; <i>Bottom:</i> Clementine Orange or Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell	
Battery - life ¹⁰	<i>4-cell:</i> up to 8 hr	
Chipset	Mobile Intel QS67 Express Chipset	
ExpressCard/34	None	
Multicard reader	None	
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)	
TV tuner	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
PCIe Mini Card	One PCI Express Mini Card slot	
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2	
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	None	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
 US model(s) withdrawn effective March 2014

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 (MOCC1-2) March 2012



Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)

IdeaPad™ U300e (2692) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ⁸ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date
2692-24U	i5-2467M	1.60	2.30	4GBx1	13.3" HD LED	1.3M	Intel HD 3000	500GB 7200	32GB	Intel 1030 ²⁸	Gray	BT3.0	4-cell	Prem 64	Feb 12
2692-25U	i5-2467M	1.60	2.30	4GBx1	13.3" HD LED	1.3M	Intel HD 3000	750GB 5400	32GB	Intel 1030	Gray	BT3.0	4-cell	Prem 64	Feb 12

- **Ultra slim and light design for easy mobility**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen Ultrabook™</i> Intel® Core™ i5-2467M processor (2 cores / 4 threads, 1.60 GHz, 3MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.30GHz)	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB std / 4GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (7200 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics 3000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>4-cell: (WxDxH):</i> 12.8" x 8.5" x 0.72"; 324mm x 216mm x 18.3mm	
Weight ²	<i>4-cell:</i> starting at 3.48 lb (1.58kg)	
Case color	<i>Top:</i> Graphite Gray top; <i>Bottom:</i> Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 7 hr	
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	None	
Ports	Two USB 2.0, one USB 3.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2	
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111E	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(ESPS1-1) March 2012



Lenovo IdeaPad U310
(Graphite Gray)



Lenovo IdeaPad U310
(Graphite Gray)



Lenovo IdeaPad U310
(Cherry Blossom Pink)



Lenovo IdeaPad U310
(Aqua Blue)



Lenovo IdeaPad U310
(Aqua Blue)



Lenovo IdeaPad U310

IdeaPad™ U310 (4375) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date (mm/yy)
4375-22U	i3-2367M	1.40		4GBx1	13.3" HD LED	720p	Intel HD 3000	500GB 5400	None	Intel 2200 ²⁸	Gray	None	3-cell	Prem 64	06/12
4375-2VU	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Pink	None	3-cell	Prem 64	07/12
4375-25U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Pink	None	3-cell	Prem 64	07/12
4375-23U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-24U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Blue	None	3-cell	Prem 64	07/12

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; one spindle Intel® Core™ i3-2367M processor (2 cores / 4 threads, 1.40 GHz, 3MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz) Intel Core i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz)	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 3000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH): 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm</i>	
Weight ²	<i>3-cell: starting at 3.70 lb (1.68kg)</i>	
Case color	<i>Top:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink; <i>Bottom:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	<i>3-cell:</i> up to 7 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	None	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ U310 (4375) - Ultrabook - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date (mm/yy)
4375-2CU	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-2BU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-2JU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Blue	None	3-cell	Prem 64	07/12
4375-2QU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Pink	None	3-cell	Prem 64	07/12

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz)	
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH): 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm</i> <i>3-cell: starting at 3.70 lb (1.68kg)</i>	
Weight ²		
Case color	<i>Top: Graphite Gray, Aqua Blue, or Cherry Blossom Pink;</i> <i>Bottom: Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color</i>	
Case material	<i>Top: aluminum</i> <i>Bottom: aluminum</i>	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	<i>3-cell: up to 7 hr</i>	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US model(s) withdrawn effective March 2014

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IdeaPad™ U310 (Ultrabook™) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59351642	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray	None	3-cell	Win8 64	11/12
59351647	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray	None	3-cell	Win8 64	11/12
59351641	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Blue	None	3-cell	Win8 64	11/12
59351644	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Pink	None	3-cell	Win8 64	11/12
59351646	i7-3517U	1.90	3.00	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray	None	3-cell	Win8 64	11/12

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one spindle</i>										Preloaded operating system ²⁰ - Windows® 8 64-bit				
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000										Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • Rara Streaming • Lenovo Companion 				
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller														
Diskette drive	None														
Optical drive	None														
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™														
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset														
mSATA™ SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot														
	* For the sole purpose of supporting Intel Rapid Start Technology														
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector														
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button														
Light sensor	None														
Touch pad	One-piece touch pad with scroll feature, multi-touch														
Dimensions ³	<i>3-cell: (WxDxH): 13.1" x 8.9" x 0.7"</i> ; 333mm x 225mm x 18mm														
Weight ²	<i>3-cell: starting at 3.70 lb (1.68kg)</i>														
Case color	<i>Top:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink; <i>Bottom:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color														
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum										40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant				
Battery - type	Lithium Polymer, 3-cell , 46Wh														
Battery - life ¹⁰	<i>3-cell:</i> up to 7 hr														
Chipset	Mobile Intel HM77 Express Chipset										Limited Warranty ¹²				
ExpressCard/34	None										↪ 1-year parts and labor				
Multicard reader	2-in-1 reader (SD, MMC)										↪ Depot repair service ¹⁹				
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)										↪ Service upgrade options (in eligible locations): ⁹				
TV tuner	None										• 1-year Lenovo Onsite Repair ¹³ 78Y1532				
PCIe Mini Card	Two PCI Express Mini Card slots										• 1-year Onsite with accidental damage protection 78Y1533				
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2										• 2-year Lenovo Onsite Repair ¹³ 78Y1536				
Bluetooth™	None										• 3-year Lenovo Depot Repair 78Y1538				
Modem	None										↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686				
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E														
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Administrator password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(CHPN1-4) November 2012

IdeaPad™ U310 (Windows 8) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model / part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
4375-B2U	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230 ²⁸	Gray	BT4.0	3-cell	Win8 64	11/12
4375-B8U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Gray	BT4.0	3-cell	Win8 64	11/12
4375-B9U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Pink	BT4.0	3-cell	Win8 64	11/12
4375-BAU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Blue	BT4.0	3-cell	Win8 64	11/12
59371845	i3-3227U	1.90		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59371841	i5-3337U	1.80	2.70	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59371842	i5-3337U	1.80	2.70	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Blue	BT4.0	3-cell	Win8 64	03/13
59371834	i5-3337U	1.80	2.70	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Pink	BT4.0	3-cell	Win8 64	03/13

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	Widescreen flexibility; one spindle Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000	Preloaded operating system ²⁰ - Windows® 8 64-bit Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	3-cell: (WxDxH): 13.1" x 8.9" x 0.7" ; 333mm x 225mm x 18mm	
Weight ²	3-cell: starting at 3.70 lb (1.68kg)	
Case color	Top: Graphite Gray, Aqua Blue, or Cherry Blossom Pink; Bottom: Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color	
Case material	Top: aluminum Bottom: aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	3-cell: up to 7 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty ¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service ¹⁹
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	↪ Service upgrade options (in eligible locations): ⁹
TV tuner	None	• 1-year Lenovo Onsite Repair ¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	• 2-year Lenovo Onsite Repair ¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(CHPN1-5) March 2013

IdeaPad™ U310 (4375) - Ultrabook™ (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date (mm/yy)
4375-2WU	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-26U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-2TU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Blue	None	3-cell	Prem 64	07/12
4375-2UU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Pink	None	3-cell	Prem 64	07/12

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz)	
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH): 13.1" x 8.9" x 0.7"</i> ; 333mm x 225mm x 18mm	
Weight ²	<i>3-cell: starting at 3.70 lb (1.68kg)</i>	
Case color	<i>Top: Graphite Gray, Aqua Blue, or Cherry Blossom Pink;</i> <i>Bottom: Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color</i>	
Case material	<i>Top: aluminum</i> <i>Bottom: aluminum</i>	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	<i>3-cell: up to 7 hr</i>	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ U310 (4375) - Ultrabook™ (Windows 8) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
4375-BFU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	11/12
4375-BGU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Pink	BT4.0	3-cell	Win8 64	11/12
4375-BHU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Blue	BT4.0	3-cell	Win8 64	11/12
4375-BJU	i7-3517U	1.90	3.00	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	11/12

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Processor	Intel[®] Core[™] i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000	
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	40-watt AC adapter EPEAT [™] Silver rating ENERGY STAR [®] qualified RoHS-compliant
Diskette drive	None	
Optical drive	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System [™]	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA [™] SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH):</i> 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm	
Weight ²	<i>3-cell:</i> starting at 3.70 lb (1.68kg)	
Case color	<i>Top:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink; <i>Bottom:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	<i>3-cell:</i> up to 7 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth [™]	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (1.5 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(CHPN1-6) November 2012

IdeaPad™ U310 Touch (Windows 8) - web only models - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Integrated graphics	SATA disk GB ⁸ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59365025	i3-3227U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59365026	i5-3337U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Gray	BT4.0	3-cell	Win8 64	03/13

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.8kg**
- **13.3" HD widescreen display with 10-point multi-touch, 16:9 widescreen**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen flexibility; one spindle</i> Intel® Core™ i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH):</i> 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm	
Weight ²	<i>3-cell:</i> starting at 3.97 lb (1.80kg)	
Case color	<i>Top:</i> Graphite Gray; <i>Bottom:</i> Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	<i>3-cell:</i> up to 6 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Administrator password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(CHP1T-2) March 2013

IdeaPad™ U310 Touch (Ultrabook™) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59365302	i5-3337U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59366627	i3-3227U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray		3-cell	Win8 64	03/13

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.8kg**
- **13.3" HD widescreen display with 10-point multi-touch, 16:9 widescreen**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Processor	Intel[®] Core[™] i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH): 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm</i>	
Weight ²	<i>3-cell: starting at 3.97 lb (1.80kg)</i>	
Case color	<i>Top: Graphite Gray;</i> <i>Bottom: Graphite Gray, color matches top color</i>	
Case material	<i>Top: aluminum</i> <i>Bottom: aluminum</i>	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	<i>3-cell: up to 6 hr</i>	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	<i>Some: 11b/g/n wireless⁴, PCIe Mini Card, Intel Centrino[®] Wireless-N 2200, 2x2</i> <i>Some: 11b/g/n wireless⁴, PCIe Half Mini Card, Intel Centrino[®] Wireless-N 2230, 2x2</i> Wi-Fi + Bluetooth combo adapter	
Bluetooth™	<i>Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</i>	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (1.5 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR [®] qualified RoHS-compliant	
	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ U310 Touch (Ultrabook™) - Windows 8 (web only) - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Integrated graphics	SATA disk GB ⁸ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59365018	i3-3227U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59365023	i5-3337U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray	BT4.0	3-cell	Win8 64	03/13
59365021	i7-3537U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.8kg**
- **13.3" HD widescreen display with 10-point multi-touch, 16:9 widescreen**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Processor	Intel[®] Core™ i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U Processor (2 cores / 4 threads, 2.00 GHz, 4MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 3.10 GHz), integrated Intel HD Graphics 4000	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH): 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm</i>	
Weight ²	<i>3-cell: starting at 3.97 lb (1.80kg)</i>	
Case color	<i>Top: Graphite Gray;</i> <i>Bottom: Graphite Gray, color matches top color</i>	
Case material	<i>Top: aluminum</i> <i>Bottom: aluminum</i>	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	<i>3-cell: up to 6 hr</i>	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (1.5 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
		40-watt AC adapter EPEAT™ Silver rating ENERGY STAR [®] qualified RoHS-compliant
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)

IdeaPad™ U400 (0993) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0993-28U	i3-2330M	2.20		4GBx1	14.0" HD LED	1.3M	HD 6470M	500GB ⁸	5400	DVD±RW	Intel 1030 ²⁸	Gray	BT3.0	Prem 64	Nov 11
0993-29U	i5-2430M	2.40	3.00	4+2GB	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Nov 11
0993-2JU	i5-2450M	2.50	3.10	4+2GB	14.0" HD LED	1.3M	HD 6470M	500GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Jan 12

- **Ultra-portable book-shaped design**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3-2330M processor (2 cores / 4 threads, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerDVD (DVD±RW) • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB or 6GB std / 8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical drive	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, slot-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Auto switching between discrete and integrated graphics (user selectable for applications), Intel HD Graphics 3000 in processor, and AMD Radeon™ HD 6470M, PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.1" x 0.89"; 340mm x 230mm x 22.6mm	
Weight ²	starting at 4.36 lb (1.98 kg)	
Case color	<i>Top:</i> Graphite Gray top; <i>Bottom:</i> Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 54Wh	
Battery - life ¹⁰	up to 7 hr	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↔ 1-year parts and labor
Multicard reader	None	↔ Depot repair service¹⁹
Ports	Two USB 2.0, one USB 3.0, external monitor (HDMI), ethernet (RJ-45)	↔ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	Gigabit ethernet on planar, Intel 82579V	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0993-2AU	i3-2330M	2.20		4GBx1	14.0" HD LED	1.3M	HD 6470M	500GB ⁸	7200	DVD±RW	Intel 1030 ²⁸	Gray	BT3.0	Prem 64	Nov 11
0993-2DU	i5-2430M	2.40	3.00	4+2GB	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Nov 11
0993-2GU	i7-2620M	2.70	3.40	4GBx2	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Dec 11
0993-2NU	i3-2350M	2.30		4+2GB	14.0" HD LED	1.3M	HD 6470M	500GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-3FU	i3-2350M	2.30		4+2GB	14.0" HD LED	1.3M	HD 6470M	500GB	7200	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-2SU	i5-2450M	2.50	3.10	4GBx2	14.0" HD LED	1.3M	HD 6470M	500GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-3JU	i5-2450M	2.50	3.10	4GBx2	14.0" HD LED	1.3M	HD 6470M	500GB	7200	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-3HU	i5-2450M	2.50	3.10	4GBx2	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-2TU	i7-2620M	2.70	3.40	4GBx2	14.0" HD LED	1.3M	HD 6470M	500GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-2HU	i7-2620M	2.70	3.40	4GBx2	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	May 12
0993-3LU	i7-2620M	2.70	3.40	4GBx2	14.0" HD LED	1.3M	HD 6470M	500GB	7200	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Aug 12

- **Ultra-portable book-shaped design**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2330M processor (2 cores / 4 threads, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2350M processor (2 cores / 4 threads, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p> <p>Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p> <p>Intel Core i7-2620M processor (2 cores / 4 threads, 2.70GHz, 4MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.40GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerDVD (DVD±RW) • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical drive	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, slot-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Auto switching between discrete and integrated graphics (user selectable for applications), Intel HD Graphics 3000 in processor, and AMD Radeon™ HD 6470M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.1" x 0.89"; 340mm x 230mm x 22.6mm	
Weight ²	starting at 4.36 lb (1.98 kg)	
Case color	<i>Top:</i> Graphite Gray top; <i>Bottom:</i> Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 54Wh	
Battery - life ¹⁰	up to 7 hr	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	None	
Ports	Two USB 2.0, one USB 3.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2	
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	Gigabit ethernet on planar, Intel 82579V	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↔ 1-year parts and labor ↔ Depot repair service¹⁹ ↔ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014



Lenovo IdeaPad U410
(Graphite Gray)



Lenovo IdeaPad U410
(Graphite Gray)



Lenovo IdeaPad U410
(Ruby Red)



Lenovo IdeaPad U410



Lenovo IdeaPad U410
(Sapphire Blue)



Lenovo IdeaPad U410

IdeaPad™ U410 (4376) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4376-23U	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB ⁸	7200	None	None	Intel 2200 ²⁸	Gray	None	Prem 64	07/12
4376-22U	i3-2367M	1.40		4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	7200	None	None	Intel 2200	Gray	None	Prem 64	07/12
4376-24U	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	7200	None	None	Intel 2200	Blue	None	Prem 64	08/12
4376-26U	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	7200	None	None	Intel 2200	Red	None	Prem 64	08/12
4376-2GU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	None	None	Intel 2200	Gray	None	Prem 64	08/12
4376-2YU	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	None	None	Intel 2200	Gray	None	Prem 64	08/12

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; one-spindle</i> Intel® Core™ i3-2367M processor (2 cores / 4 threads, 1.40GHz, 3MB cache) , integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz) Intel Core i5-3317U processor (2 cores / 4 threads, 1.70GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.60GHz), HT technology Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (7200 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.08 lb (1.85 kg)	
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	None	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ U410 (Windows 8) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
4376-87U	i3-3217U	1.80		4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB ⁸	5400	None	None	Intel 2230 ²⁸	Gray	BT4.0	Win8 64	11/12
4376-89U	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	11/12
4376-8AU	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Blue	BT4.0	Win8 64	11/12
4376-8BU	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Red	BT4.0	Win8 64	11/12
4376-8GU	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	11/12
59365166	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59365164	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Blue	BT4.0	Win8 64	01/13
59365178	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Red	BT4.0	Win8 64	01/13
59365170	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59372338	i3-3227U	1.90		4+2GB	14.0" HD LED	720p	GF 710M 2GB	500GB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	06/13
59372346	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	06/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**

Positioning	<i>Widescreen flexibility; one-spindle</i>											Preloaded operating system²⁰ - Windows [®] 8 64-bit			
Processor	Intel[®] Core[™] i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000											Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee [®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp [®] - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • Rara Streaming • Lenovo Companion			
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller														
Diskette drive	None														
Optical drive	None														
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System [™]														
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset														
mSATA [™] SSD	None														
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Graphics	NVIDIA [®] Optimus [™] technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce[®] 610M or NVIDIA GeForce 710M , PCI Express [®] x16, 1GB or 2GB memory, DirectX [®] 11, external digital monitor support via HDMI connector, HDCP-support														
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button														
Light sensor	None														
Touch pad	One-piece touch pad, multi-touch														
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm														
Weight ²	starting at 4.08 lb (1.85 kg)														
Case color	Top: Graphite Gray, Sapphire Blue or Ruby Red; Bottom: Graphite Gray, Sapphire Blue or Ruby Red, color matches top color														
Case material	Top: aluminum Bottom: aluminum														
Battery - type	Lithium Polymer, 4-cell , 59Wh											65-watt AC adapter EPEAT [™] Silver rating ENERGY STAR [®] qualified RoHS-compliant			
Battery - life ¹⁰	4-cell: up to 9 hr														
Chipset	Mobile Intel HM77 Express Chipset											Limited Warranty¹²			
ExpressCard/34	None														
Multicard reader	2-in-1 reader (SD, MMC)											↔ 1-year parts and labor			
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)											↔ Depot repair service¹⁹			
TV tuner	None											↔ Service upgrade options (in eligible locations):⁹			
PCIe Mini Card	Two PCI Express Mini Card slots											• 1-year Lenovo Onsite Repair¹³ 78Y1532			
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter											• 1-year Onsite with accidental damage protection 78Y1533			
Bluetooth [™]	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter											• 2-year Lenovo Onsite Repair¹³ 78Y1536			
Modem	None											• 3-year Lenovo Depot Repair 78Y1538			
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E											↔ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (2 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Supervisor password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(COTL1-5) June 2013

IdeaPad™ U410 (4376) - Ultrabook - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4376-29U	i3-3217U	1.80		4GBx1	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	08/12
4376-2CU	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	08/12
4376-2BU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	08/12
4376-2PU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	32GB	None	Intel 2200	Red	None	Prem 64	08/12
4376-2UU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	32GB	None	Intel 2200	Blue	None	Prem 64	08/12

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Ultrabook; one-spindle</i>	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3317U processor (2 cores / 4 threads, 1.70GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.60GHz), HT technology	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.08 lb (1.85 kg)	
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(COTL1-3) August 2012

IdeaPad™ U410 (Ultrabook™) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59351634	i3-3217U	1.80		4GBx1	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59351625	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59351636	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Red		Win8 64	11/12
59351633	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Blue		Win8 64	11/12
59351632	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59351638	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Red		Win8 64	11/12
59351637	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Blue		Win8 64	11/12
59351635	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59351627	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59359210	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	02/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one-spindle</i>											Preloaded operating system²⁰ - Windows® 8 64-bit			
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000											Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • Rara Streaming • Lenovo Companion			
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller														
Diskette drive	None														
Optical drive	None														
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™														
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset														
mSATA™ SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology														
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support														
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button														
Light sensor	None														
Touch pad	One-piece touch pad, multi-touch														
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm														
Weight ²	starting at 4.08 lb (1.85 kg)														
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color														
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum														
Battery - type	Lithium Polymer, 4-cell , 59Wh											65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant			
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr														
Chipset	Mobile Intel HM77 Express Chipset											Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
ExpressCard/34	None														
Multicard reader	2-in-1 reader (SD, MMC)														
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)														
TV tuner	None														
PCIe Mini Card	Two PCI Express Mini Card slots														
WLAN ²⁸	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2 <i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter														
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Modem	None														
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E														
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Supervisor password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(COTL1-4) February 2013

IdeaPad™ U410 (4376) - Ultrabook™ (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4376-2FU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Blue	None	Prem 64	07/12
4376-2HU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Red	None	Prem 64	07/12
4376-2VU	i3-3217U	1.80		4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	07/12
4376-83U	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	07/12
4376-2ZU	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	07/12
4376-84U	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	07/12
4376-2WU	i3-3217U	1.80		4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Red	None	Prem 64	08/12
4376-2JU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	10/12

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Ultrabook; one-spindle</i>	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U processor (2 cores / 4 threads, 1.70GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.60GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000,	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.08 lb (1.85 kg)	
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ^{8b}	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(COTL1-2) November 2012

IdeaPad™ U410 (Ultrabook™) - Windows 8 (web only models) - withdrawn *Personal Systems Reference (PSREF)*

Type-number / Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
4376-8DU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Blue	BT4.0	Win8 64	11/12
4376-8EU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Red	BT4.0	Win8 64	11/12
4376-8FU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	11/12
4376-8HU	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	32GB	None	Intel 2230	Gray	BT4.0	Win8 64	11/12
59365169	i5-3337U	1.80	2.70	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59365177	i5-3337U	1.80	2.70	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Blue	BT4.0	Win8 64	01/13
59365161	i5-3337U	1.80	2.70	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Red	BT4.0	Win8 64	01/13
59365176	i5-3337U	1.80	2.70	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59365180	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59372332	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	06/13
59372331	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	24GB	None	Intel 2230	Blue	BT4.0	Win8 64	06/13
59372339	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	24GB	None	Intel 2230	Red	BT4.0	Win8 64	06/13
59372336	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	06/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**

Positioning	<i>Ultrabook; one-spindle</i>	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Processor	Intel® Core™ i5-3317U processor (2 cores / 4 threads, 1.70GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.60GHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U processor (2 cores / 4 threads, 1.80GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.70GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	750GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	24GB or 32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M or NVIDIA GeForce 710M , PCI Express® x16, 1GB or 2GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.08 lb (1.85 kg)	
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ U410 Touch (Windows 8) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59372995	i5-3337U	4+2GB	14.0" HD LED	10-Point	720p	GF 710M 2GB	500GB ⁸	5400	None	None	Intel 2230 ²⁸	Gray	BT4.0	Win8 64	04/13
59372997	i5-3337U	4+2GB	14.0" HD LED	10-Point	720p	GF 710M 2GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	04/13
59372988	i7-3537U	4GBx2	14.0" HD LED	10-Point	720p	GF 710M 2GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	04/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.00kg**
- **14.0" HD widescreen with 10-point multi-touch**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<p><i>Widescreen flexibility; one-spindle</i></p> <p>Intel® Core™ i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰ - Windows® 8 64-bit</p> <p>Preloaded applications¹⁴ (only some listed)</p> <p>- Traditional Desktop apps</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® <p>- Windows Store apps (Metro-style)</p> <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Memory	<p>8GB max⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Diskette drive	None	
Optical drive	None	
SATA disk	<p>500GB (5400 rpm) or 1TB (5400 rpm) /</p> <p>SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™</p>	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	<p>14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<p>NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000, integrated in processor, and NVIDIA GeForce® 710M, PCI Express® x16, 2GB DDR3 memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support</p>	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.41 lb (2.00 kg)	
Case color	<p><i>Top:</i> Graphite Gray;</p> <p><i>Bottom:</i> Graphite Gray, color matches top color</p>	
Case material	<p><i>Top:</i> aluminum</p> <p><i>Bottom:</i> aluminum</p>	
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 8 hr	<p>65-watt AC adapter</p> <p>EPEAT™ Silver rating</p> <p>ENERGY STAR® qualified</p> <p>RoHS-compliant</p>
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
Intel 2230 ²⁸	<p>11b/g/n wireless⁴, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2</p> <p>Wi-Fi + Bluetooth combo adapter</p>	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	<p>High Definition (HD) Audio, Conexant® CX20672 codec /</p> <p>stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified /</p> <p>microphone, microphone input and headphone combo jack (3.5 mm)</p>	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↔ 1-year parts and labor ↔ Depot repair service¹⁹ ↔ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ U410 Touch (Ultrabook™) - Windows 8 (web only) - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Graphics	SATA disk GB RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59372989	i5-3337U	4GBx2	14.0" HD LED	10-Point	720p	GF 710M 2GB	500GB ⁸ 5400	24GB	None	Intel 2230 ²⁸	Gray	BT4.0	Win8 64	04/13
59372998	i5-3337U	4GBx2	14.0" HD LED	10-Point	720p	GF 710M 2GB	1TB 5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	04/13
59372996	i7-3537U	4GBx2	14.0" HD LED	10-Point	720p	GF 710M 2GB	1TB 5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	04/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.00kg**
- **14.0" HD widescreen with 10-point multi-touch**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Ultrabook; one-spindle</i> Intel® Core™ i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 710M , PCI Express® x16, 2GB DDR3 memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.41 lb (2.00 kg)	
Case color	<i>Top:</i> Graphite Gray; <i>Bottom:</i> Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 8 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad U510
(Graphite Gray)



Lenovo IdeaPad U510
(Graphite Gray)



Lenovo IdeaPad U510



Lenovo IdeaPad U510



Lenovo IdeaPad U510

IdeaPad™ U510 (Ultrabook™) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
59347424	i5-3317U	1.70	2.60	4+2GB	15.6" HD LED	720p	Intel HD 4000	750GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59347428	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	Intel HD 4000	750GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59347426	i3-3217U	1.80		2GBx2	15.6" HD LED	720p	Intel HD 4000	500GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59355296	i5-3317U	1.70	2.60	4+2GB	15.6" HD LED	720p	Intel HD 4000	750GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59347423	i5-3317U	1.70	2.60	4GBx2	15.6" HD LED	720p	Intel HD 4000	750GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59347624	i5-3317U	1.70	2.60	4+2GB	15.6" HD LED	720p	Intel HD 4000	1TB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59340257	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	Intel HD 4000	1TB	5400	32GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59359624	i5-3337U	1.80	2.70	4+2GB	15.6" HD LED	720p	Intel HD 4000	1TB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	02/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.20kg**
- **15.6" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; two-spindle</i>											Preloaded operating system ²⁰ - Windows [®] 8 64-bit				
Processor	Intel[®] Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000											Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro PDF • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion 				
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets											65-watt AC adapter EPEAT [™] Silver rating ENERGY STAR [®] qualified RoHS-compliant				
Diskette drive	None															
Optical drive	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in															
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System [™]															
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset															
mSATA [™] SSD	24GB or 32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology															
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio															
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator															
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog Mini VGA connector / digital HDMI connector															
Keyboard	Full-size keyboard, 6-row, with LED backlight, recovery button															
Numeric keypad	Numeric keypad on right of keyboard															
Light sensor	None															
Touch pad	One-piece touch pad, multi-touch															
Dimensions ³	<i>(WxDxH)</i> : 15.04" x 9.84" x 0.83"; 382mm x 250mm x 21mm															
Weight ²	starting at 4.85 lb (2.20 kg)															
Case color	<i>Top</i> : Graphite Gray <i>Bottom</i> : Graphite Gray															
Case material	<i>Top</i> : aluminum <i>Bottom</i> : aluminum															
Battery - type	Lithium Polymer, 45Wh															
Battery - life ¹⁰	up to 6 hr															
Chipset	Mobile Intel HM77 Express Chipset															
ExpressCard/34	None															
Multicard reader	2-in-1 reader (SD, MMC)															
Ports	One USB 3.0 (powered), two USB 2.0, external monitor (Mini VGA, HDMI), ethernet (RJ-45)															
TV tuner	None															
PCIe Mini Card	Two PCI Express Mini Card slots															
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter															
Bluetooth [™]	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card															
Modem	None															
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E															
Audio support	High Definition (HD) Audio, RealTek [®] ALC259 codec / stereo speakers (2 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)															
Security	Supervisor password, hard disk password															
Fingerprint reader	None															
												Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686				

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ U510 (Windows 8) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model / part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4941-2LU	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	GF 625M 1GB	1TB	5400	None	DVD±RW	Intel 2230	Gray	BT	Win8 64	12/12
59384265	i5-3337U	1.80	2.70	4+2GB	15.6" HD LED	720p	Intel HD 4000	500G	5400	None		Intel 2230	Gray	BT	Win8 64	06/13
59384267	i7-3537U	2.00	3.10	4+2GB	15.6" HD LED	720p	Intel HD 4000	500G	5400	None		Intel 2230	Gray	BT	Win8 64	06/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.20kg**
- **15.6" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i5-3337U processor (2 cores / 4 threads, 1.80GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.70GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Windows® 8 64-bit <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical drive	<i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in	
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<p><i>Some:</i> Intel HD Graphics 4000, integrated in processor;</p> <p><i>Some:</i> NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000, integrated in processor, and NVIDIA GeForce® 625M, PCI Express® x16, 1GB memory, DirectX® 11, External monitor support via analog Mini VGA connector / digital HDMI connector</p>	
Keyboard	Full-size keyboard, 6-row, with LED backlight, recovery button	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 15.04" x 9.84" x 0.83"; 382mm x 250mm x 21mm	
Weight ²	starting at 4.85 lb (2.20 kg)	
Case color	<i>Top:</i> Graphite Gray <i>Bottom:</i> Graphite Gray	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium Polymer, 45Wh	
Battery - life ¹⁰	up to 6 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	One USB 3.0 (powered), two USB 2.0, external monitor (Mini VGA, HDMI), ethernet (RJ-45)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ U510 (Ultrabook™) - Windows 8 (web only models) - withdrawn Personal Systems Reference (PSREF)

Type-model / Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4941-2MU	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	GF 625M 1GB 1TB	5400	32GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	10/12
4941-2NU	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	GF 625M 1GB 500GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	10/12
4941-2PU	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	GF 625M 1GB 1TB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	10/12
59365182	i7-3537U	2.00	3.10	4GBx2	15.6" HD LED	720p	GF 625M 1GB 500GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	01/13
59365181	i7-3537U	2.00	3.10	4GBx2	15.6" HD LED	720p	GF 625M 1GB 1TB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	01/13
59365437	i5-3337U	1.80	2.70	4GBx2	15.6" HD LED	720p	GF 625M 1GB 1TB	5400	32GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	06/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.20kg**
- **15.6" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; two-spindle</i>										Preloaded operating system²⁰ - Windows® 8 64-bit				
Processor	Intel® Core™ i5-3337U processor (2 cores / 4 threads, 1.80GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.70GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000										Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion 				
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets														
Diskette drive	None														
Optical drive	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in														
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset														
mSATA™ SSD	24GB or 32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology														
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 625M , PCI Express® x16, 1GB memory, DirectX® 11, External monitor support via analog Mini VGA connector / digital HDMI connector														
Keyboard	Full-size keyboard, 6-row, with LED backlight, recovery button														
Numeric keypad	Numeric keypad on right of keyboard														
Light sensor	None														
Touch pad	One-piece touch pad, multi-touch														
Dimensions ³	<i>(WxDxH)</i> : 15.04" x 9.84" x 0.83"; 382mm x 250mm x 21 mm														
Weight ²	starting at 4.85 lb (2.20 kg)														
Case color	<i>Top</i> : Graphite Gray <i>Bottom</i> : Graphite Gray														
Case material	<i>Top</i> : aluminum <i>Bottom</i> : aluminum														
Battery - type	Lithium Polymer, 45Wh										65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant				
Battery - life ¹⁰	up to 6 hr														
Chipset	Mobile Intel HM77 Express Chipset										Limited Warranty¹²				
ExpressCard/34	None										⇨ 1-year parts and labor				
Multicard reader	2-in-1 reader (SD, MMC)										⇨ Depot repair service¹⁹				
Ports	One USB 3.0 (powered), two USB 2.0, external monitor (Mini VGA, HDMI), ethernet (RJ-45)										⇨ Service upgrade options (in eligible locations):⁹				
TV tuner	None										• 1-year Lenovo Onsite Repair¹³ 78Y1532				
PCIe Mini Card	Two PCI Express Mini Card slots										• 1-year Onsite with accidental damage protection 78Y1533				
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter										• 2-year Lenovo Onsite Repair¹³ 78Y1536				
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card										• 3-year Lenovo Depot Repair 78Y1538				
Modem	None										⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E														
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Supervisor password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) withdrawn effective March 2014



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470

Type-model	Processor	Max turbo GHz	Memory	Widescreen display	CCFL or LED	Discrete graphics	SATA disk GB ³	rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Con-connector	Win7 preload	Avail date
0855-22U	i3-2310M	2.10	2GBx2	14.0" HD	LED	GT 550M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-23U	i5-2410M	2.30	2.90 2GBx2	14.0" HD	LED	GT 550M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-24U	i5-2410M	2.30	2.90 2GBx2	14.0" HD	LED	GT 550M	750GB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-25U	i7-2630QM	2.00	2.90 4GBx2	14.0" HD	LED	GT 550M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-26U	i7-2630QM	2.00	2.90 4GBx2	14.0" HD	LED	GT 550M	750GB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-28U	i3-2330M	2.20	4GBx1	14.0" HD	LED	GT 550M	500GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Nov 11
0855-2EU	i7-2670QM	2.20	3.10 4GBx2	14.0" HD	LED	GT 550M	750GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Nov 11
0855-2DU	i7-2670QM	2.20	3.10 4GBx2	14.0" HD	LED	GT 550M	750GB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Nov 11
0855-2GU	i5-2430M	2.40	3.00 4GBx1	14.0" HD	LED	GT 550M	750GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Pro 64	Dec 11
0855-2HU	i7-2670QM	2.20	3.10 4GBx2	14.0" HD	LED	GT 550M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Dec 11
0855-2JU	i7-2670QM	2.20	3.10 4GBx2	14.0" HD	LED	GT 550M	500GB	7200	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12

- 14.0" widescreen, glossy display with LED backlight
- Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound audio system with two JBL® stereo speakers
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 550M , PCI Express® x16, 1GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	Dusk black top with texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4.0 hr	
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port and one eSATA/USB combo port	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Limited Warranty ¹² ↔ 1-year parts and labor ↔ Depot repair service ¹⁹ ↔ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

IdeaPad™ Y470p (0855) - AMD Radeon - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Max turbo GHz	Memory	Widescreen or display	CCFL or LED	Discrete graphics	SATA disk GB ³	rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Con-nector	Win7 preload	Avail date	
0855-2NU	i5-2450M	2.50	3.10	4+2GB	14.0" HD	LED	HD 7690M	500GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0855-2LU	i7-2670QM	2.20	3.10	4GBx2	14.0" HD	LED	HD 7690M	750GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0855-2KU	i7-2670QM	2.20	3.10	4GBx2	14.0" HD	LED	HD 7690M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Mar 12

- **14.0" widescreen, glossy display with LED backlight**
- **Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound audio system with two JBL® stereo speakers**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed)
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Graphics	Dynamic switching between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and AMD Radeon™ HD 7690M Graphics , PCI Express® x16, 1GB DDR3 memory, DirectX® 11, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	Dusk black top with texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4.0 hr	Dual-core models: 90-watt AC adapter Quad-core models: 120-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	Limited Warranty¹²
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port and one eSATA/USB combo port	<ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Y480



Lenovo IdeaPad Y480



Lenovo IdeaPad Y480
with 3 USB 3.0 and 1 USB 2.0



Lenovo IdeaPad Y480
Dark Gray with brushed metal



Lenovo IdeaPad Y480



Lenovo IdeaPad Y480
Dark Gray with pattern

IdeaPad™ Y480 (2093) - NVIDIA - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Graphics	SATA disk GB ^a	mSATA SSD rpm	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports 3.0 / 2.0	USB Battery (6-cell)	Backlit key-board	Win7 preload	Avail date (mm/yy)
2093-4FU	i7-3610QM	4GBx2	GT 640M LE 1G	750G	5400	None	DVD±RW	Intel 2200	Brushed Metal	BT4.0	x2 / x2	48Wh	Backlit	Prem 64 04/12
2093-4EU	i5-3210M	4+2GB	GT 640M LE 1G	750G	5400	None	DVD±RW	Intel 2200	Brushed Metal	BT4.0	x2 / x2	48Wh	Backlit	Prem 64 07/12

- **14.0" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom, and rotate functions**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3610QM processor (4 cores / 8 threads, 2.30 GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • Intelligent Touchpad • OneKey Theater • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 640M LE Graphics , PCI Express® x16, 1GB or 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(<i>WxDxH</i>): 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	<i>Top</i> : dark gray with brushed metal or dark gray with pattern, <i>Bottom</i> : black	
Case material	<i>Top and palmrest</i> : Aluminium <i>Bottom</i> : Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 48Wh or 62Wh	
Battery - life ¹⁰	Up to 4.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side</i> : two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side</i> : one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth 4.0 wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		<p>Dual-core models: 90-watt AC adapter Quad-core models: 120-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p> <p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Y480 (2093) - NVIDIA (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Graphics	SATA disk GB ^a	rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB / USB Battery (6-cell)	Backlit key-board	Win7 preload	Avail date (mm/yy)
2093-4SU	i3-2370M	4GBx1	GT 640M LE 1G	500G	7200		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1 48Wh	Backlit	Prem 64	04/12
2093-4QU	i3-2370M	4GBx1	GT 640M LE 1G	500G	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1 48Wh	Backlit	Prem 64	05/12
2093-4YU	i7-3610QM	4GBx2	GT 640M LE 2G	500G	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1 48Wh	Backlit	Prem 64	05/12
2093-88U	i7-3610QM	4GBx2	GT 640M LE 2G	1TB	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1 62Wh	Backlit	Prem 64	05/12
2093-86U	i7-3610QM	4GBx2	GT 640M LE 2G	1TB	5400	32G	DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1 62Wh	Backlit	Prem 64	05/12
2093-4WU	i7-3610QM	4GBx2	GT 640M LE 2G	500G	7200		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1 48Wh	Backlit	Prem 64	05/12
2093-84U	i7-3610QM	4GBx2	GT 640M LE 2G	750G	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1 48Wh	Backlit	Prem 64	05/12
2093-4ZU	i7-3610QM	4GBx2	GT 640M LE 2G	1TB	5400		BD burner	Intel 2200	Brushed Metal	BT	x3 / x1 48Wh	Backlit	Prem 64	05/12
2093-87U	i7-3610QM	4GBx2	GT 640M LE 2G	1TB	5400	32G	BD burner	Intel 2200	Brushed Metal	BT	x3 / x1 62Wh	Backlit	Prem 64	05/12
2093-4XU	i7-3610QM	4GBx2	GT 640M LE 2G	500G	7200		BD burner	Intel 2200	Brushed Metal	BT	x3 / x1 48Wh	Backlit	Prem 64	07/12
2093-83U	i7-3610QM	4GBx2	GT 640M LE 2G	750G	5400	32G	BD burner	Intel 2200	Brushed Metal	BT	x3 / x1 48Wh	Backlit	Prem 64	08/12
2093-8RU	i7-3630QM	4GBx2	GT 650M 2G	1TB	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1 62Wh	Backlit	Prem 64	10/12
2093-8TU	i7-3630QM	4GBx2	GT 650M 2G	1TB	5400	32G	BD burner	Intel 2200	Brushed Metal	BT	x3 / x1 62Wh	Backlit	Prem 64	10/12

- **14.0" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom, and rotate functions**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2370M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000</p> <p>Intel Core i7-3610QM processor (4 cores / 8 threads, 2.30GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • Intelligent Touchpad • OneKey Theater • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (Blu-ray models) • Cyberlink Power2Go (DVD±RW models, Blu-ray models)
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
SATA optical	<p><i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in</p> <p><i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in</p>	
SATA disk	<p>500GB (5400 rpm), 500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high</p>	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<p>NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and</p> <p><i>Some:</i> NVIDIA GeForce® GT 640M LE Graphics, PCI Express® x16, 1GB or 2GB GDDR5,</p> <p><i>Some:</i> NVIDIA GeForce GT 650M Graphics, PCI Express x16, 2GB GDDR5 memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector</p>	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(WxDxH): 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	<i>Top:</i> dark gray with brushed metal or dark gray with pattern, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 48Wh or 62Wh	
Battery - life ¹⁰	Up to 4.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<p><i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p> <p><i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)</p>	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		<p>Dual-core models: 90-watt AC adapter</p> <p>Quad-core models: 120-watt AC adapter</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® qualified</p> <p>RoHS-compliant</p> <p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↔ 1-year parts and labor ↔ Depot repair service¹⁹ ↔ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Y480 (NVIDIA) - Windows 8 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Graphics	SATA disk GB ² rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue- tooth	USB ports USB / USB 3.0 / 2.0	Battery (6-cell)	Backlit key- board	Win8 preload	Avail date (mm/yy)
2093-B3U	i5-3210M	4GBx2	GT 650M 2G	750G 7200	None	DVD±RW	Intel 2200	with pattern	BT4.0	x3 / x1	62Wh	Backlit	Win8 64	01/13

- **14.0" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	750GB (7200 rpm) hybrid hard disk / with 8GB SLC NAND flash memory, SATA 6.0Gb/s, 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce GT 650M Graphics , PCI Express x16, 2GB GDDR5 memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard Controls	Full-size keyboard, 6-row, with LED backlight on selected models Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	<i>(WxDxH)</i> : 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	<i>Top</i> : dark gray with brushed metal or dark gray with pattern, <i>Bottom</i> : black	
Case material	<i>Top and palmrest</i> : Aluminium <i>Bottom</i> : Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 48Wh or 62Wh	
Battery - life ¹⁰	Up to 4.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side</i> : two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side</i> : one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth 4.0 wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Dual-core models: 90-watt AC adapter Quad-core models: 120-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant Limited Warranty¹² <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(WHSK-3) February 2013



Lenovo IdeaPad Y400
with optional backlight keyboard



Lenovo IdeaPad Y400
with optional backlight keyboard



Lenovo IdeaPad Y400
with optional 2nd fan or 2nd Graphics



Lenovo IdeaPad Y400
with optional 2nd fan or 2nd Graphics



Lenovo IdeaPad Y400
with optional backlight keyboard



Lenovo IdeaPad Y400
with optional 2nd fan or 2nd Graphics

IdeaPad™ Y400 (NVIDIA) - Windows 8 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Wide screen display	Camera	Graphics	SATA disk GB ⁸ rpm	mSATA SSD	Ultrabay device	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Power adapter	Win8 preload	Avail date (mm/yy)
9523-24U	i5-3210M	4GBx2	14.0" HD	720p	GT 650M 2G	1TB 5400		DVD±RW	Intel 2230	Black	BT4.0	Backlit	90W	Win8 64	11/12
59360114	i7-3630QM	4GBx2	14.0" HD	720p	GT 650M 2G	1TB 5400		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9523-25U	i7-3630QM	4GBx2	14.0" HD	720p	GT 650M 2G	1TB 5400		BD burner	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9523-2FU	i7-3630QM	4GBx2	14.0" HD	720p	GT 650M 2G	1TB 5400	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9523-2HU	i7-3630QM	4GBx2	14.0" HD	720p	GT 650M 2G	750GB 7200		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	01/13
59371958	i5-3230M	4GBx2	14.0" HD	720p	GT 750M 2G	1TB 5400		DVD±RW	Intel 2230	Black	BT4.0	Backlit	90W	Win8 64	04/13
59371952	i7-3630QM	4GBx2	14.0" HD	720p	GT 750M 2G	1TB 5400		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371954	i7-3630QM	4GBx2	14.0" HD	720p	GT 750M 2G	1TB 5400	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13

- **14.0" widescreen, glossy display with LED backlight**
- **Always-on USB port – lets you recharge a mobile device even when the notebook is powered off and unplugged from the mains**
- **JBL designed speakers supporting Dolby Home Theatre V4 audio certification for immersive sound**
- **UltraBay – interchangeable bay that can be instantly swapped out for dual graphics capability, increased storage space, or an additional fan for cooling**

Positioning	<i>Widescreen flexibility; two-spindle</i>	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Processor	Intel[®] Core[™] i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000 Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000 Intel Core i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Ultrabay	One modular bay for interchangeable devices (optional): optical drive, second hard disk, second discrete graphics (require optional 170-watt AC adapter), and second cooling fan <i>Some:</i> DVD burner, DVD disk recordable, dual-layer support, via Ultrabay, 9.5mm, tray-in, <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, via Ultrabay, 9.5mm high, tray-in	
Optical	None	
2 nd hard disk	None	
2 nd graphics	None	
2 nd cooling fan	None	
SATA disk	<i>Some:</i> 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high <i>Some:</i> 750GB (7200 rpm) hybrid hard disk / with 8GB SLC NAND flash memory, SATA 6.0Gb/s, 9.5mm high	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<i>Some:</i> NVIDIA[®] GeForce[®] GT 650M Graphics, 2GB GDDR5 memory, DirectX [®] 11, <i>Some:</i> NVIDIA GeForce GT 750M Graphics, 2GB GDDR5 memory, DirectX 11, external monitor support via analog VGA connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	None	
Touchpad	One-piece touchpad, multi-touch (4-point)	
Dimensions ³	(<i>WxDxH</i>): 13.8" x 9.6" x 0.6" to 1.3"; 350mm x 245mm x 15mm to 33mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.51 lb (2.5 kg), vary by configuration	
Case color	<i>Top and Bottom:</i> Dusk black with hairline texture	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	<i>GT 650M models:</i> Up to 3.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital eXtended Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> one USB 3.0 port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> two USB 2.0 ports (one powered / Always-on USB)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots (one for mSATA SSD, one for Wi-Fi adapter)	
Intel 2230	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2	
Bluetooth™	Wi-Fi + Bluetooth combo adapter	
Modem	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Ethernet	Gigabit ethernet, Atheros [®] AR8161L/AR8151, PCIe interface	
Audio support	High Definition (HD) Audio, RealTek [®] ALC269 codec / JBL [®] stereo speakers (1.5 watt x 2), Dolby [®] Home Theater [®] v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF) (3.5 mm)	
Security	Power on password, Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
 US model(s) withdrawn effective March 2014

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 (WSKY3-1) April 2013



Lenovo IdeaPad Y570



Lenovo IdeaPad Y570



Lenovo IdeaPad Y570



Lenovo IdeaPad Y570



Lenovo IdeaPad Y570



Lenovo IdeaPad Y570

IdeaPad™ Y570 (0862) - NVIDIA (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Discrete graphics	SATA disk GB ³ rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Connector	Win7 preload	Avail date
0862-2MU	i5-2410M	2.30	2.90	2GBx2	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Jul 11
0862-2LU	i5-2410M	2.30	2.90	4+2GB	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Jul 11
0862-2KU	i7-2630QM	2.00	2.90	4+2GB	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Jul 11
0862-2JU	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	Jul 11
0862-2ZU	i5-2430M	2.40	3.00	4+2GB	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-64U	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-62U	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400	64GB	Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-3TU	i7-2670QM	2.20	3.10	4+2GB	15.6" HD	LED	GT 555M	500GB 5400		DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0862-6AU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	1TB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Feb 12
0862-6KU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400	64GB	DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Feb 12

- 15.6" widescreen, glossy display with LED backlight
- Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound audio system with two JBL® stereo speakers
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	Some: 64GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 555M , PCI Express® x16, 1GB GDDR5 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	Dusk black top with texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4 hr	120-watt AC adapter Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> one USB 2.0 port and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> two USB 3.0 ports	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Y570 (0862) - NVIDIA (Windows 7) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Discrete graphics	SATA disk GB ⁸ rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Connector	Win7 preload	Avail date
0862-24U	i5-2410M	2.30	2.90	4GBx1	15.6" HD	LED	GT 555M	500GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-25U	i5-2410M	2.30	2.90	2GBx2	15.6" HD	LED	GT 555M	750GB 5400		Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-26U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	GT 555M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-27U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-28U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	GT 555M	750GB 5400	64GB	Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-29U	i3-2310M	2.10		2GBx2	15.6" HD	LED	GT 555M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-2RU	i3-2330M	2.20		4GBx1	15.6" HD	LED	GT 555M	500GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-2WU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-2UU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-2VU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400	64GB	Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-68U	i5-2430M	2.40	3.00	4GBx1	15.6" HD	LED	GT 555M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Dec 11
0862-6JU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Dec 11

- 15.6" widescreen, glossy display with LED backlight
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound audio system with two JBL® stereo speakers
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	Some: 64GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 555M , PCI Express® x16, 1GB GDDR5 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	Dusk black top with texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4 hr	120-watt AC adapter Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> one USB 2.0 port and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> two USB 3.0 ports	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Type-model	Pro-cessor	Memory	Widescreen display	CCFL or LED	Discrete graphics	SATA disk GB ³ rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Connector	Win7 preload	Avail date
0862-6LU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 500GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0862-6MU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 500GB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0862-6HU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 500GB	7200	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0862-6FU	i5-2450M	4GBx1	15.6" HD	LED	GT 555M	1GB 500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 12
0862-6PU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	2GB 500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 12
0862-6QU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	2GB 500GB	7200	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 12
0862-6SU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 1TB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 12
0862-6TU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	2GB 1TB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Jun 12
0862-6RU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 1TB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Jun 12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound audio system with two JBL® stereo speakers**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-2450M processor (dual-core, 2.50 GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64		
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (Blu-ray models) • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Lenovo DirectShare		
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in										120-watt AC adapter Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant		
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high												
mSATA™ SSD	<i>Some:</i> 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot												
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator												
Discrete graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 555M , PCI Express® x16, 1GB or 2GB GDDR5 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector										Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686		
Keyboard	Full-size keyboard, 6-row, recovery key												
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control												
Numeric keypad	Numeric keypad on right of keyboard												
Light sensor	None												
Touch pad	Two-button touch pad with scroll feature, multi-touch												
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm												
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)												
Case color	Dusk black top with texture, black bottom												
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic												
Battery - type	Lithium Ion 6-cell												
Battery - life ¹⁰	Up to 4 hr												
Chipset	Mobile Intel HM65 Express Chipset												
ExpressCard/34	None												
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)												
Ports	<i>Left side:</i> one USB 2.0 port and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> two USB 3.0 ports												
TV tuner	None												
PCIe Mini Card	Three PCIe Mini Card slots												
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000												
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface												
Modem	None												
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1												
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)												
Security	Hard disk password, administrator password, security lockhole												
Fingerprint reader	None												

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Y580



Lenovo IdeaPad Y580



Lenovo IdeaPad Y580



Lenovo IdeaPad Y580



Lenovo IdeaPad Y580



Lenovo IdeaPad Y580

IdeaPad™ Y580 (2099) - NVIDIA - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Graphics	SATA disk GB ⁸	mSATA rpm	SATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB 3.0 / 2.0	Backlit key-board	Win7 preload	Avail date (mm/yy)
2099-4CU	i7-3610QM	4+2GB	15.6" HD	GTX 660M 2G	750G	5400		DVD±RW	Intel 2200	Dark Gray	BT	x2 / x2	Backlit	Prem 64	08/12
2099-42U	i7-3610QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400		BD burner	Intel 2200	Dark Gray	BT	x2 / x2	Backlit	Prem 64	08/12
2099-4EU	i7-3610QM	4GBx2	15.6" HD	GTX 660M 2G	750G	5400	64G	DVD±RW	Intel 2200	Dark Gray	BT	x2 / x2	Backlit	Prem 64	08/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom, and rotate functions**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i7-3610QM processor (4 cores / 8 threads, 2.30GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • ooVoo™ • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • Intelligent Touchpad • OneKey Theater • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (Blu-ray models) • Cyberlink Power2Go (DVD±RW models, Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	750GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 64GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2.6mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GTX 660M Graphics , PCI Express® x16, 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	<i>(WxDxH):</i> 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.95 lb (2.7 kg)	
Case color	<i>Top:</i> dark gray with brushed metal, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	120-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	Up to 5.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(BRND2-2) August 2012

IdeaPad™ Y580 (NVIDIA) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Graphics	SATA disk GB ⁸	mSATA rpm	SATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB 3.0 / 2.0	Backlit key-board	Win8 preload	Avail date (mm/yy)
59345715	i7-3630QM	4+2GB	15.6" HD	GTX 660M 2G	750G	5400		DVD±RW	Intel 2200	Dark Gray	BT4.0	x2 / x2	None	Win8 64	11/12
59345717	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400		BD burner	Intel 2200	Dark Gray	BT4.0	x2 / x2	None	Win8 64	11/12
59353260	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	750G	5400	16G	DVD±RW	Intel 2200	Dark Gray	BT4.0	x2 / x2	None	Win8 64	11/12
59353259	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400	16G	DVD±RW	Intel 2200	Dark Gray	BT4.0	x2 / x2	None	Win8 64	11/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	750GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GTX 660M Graphics , PCI Express® x16, 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	<i>Top:</i> dark gray with brushed metal, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	Up to 5.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth 4.0 wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Y580 (2099) - NVIDIA (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Graphics	SATA disk GB ⁸	mSATA rpm	SATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB 3.0 / 2.0	Backlit key-board	Win7 preload	Avail date (mm/yy)
2099-48U	i7-3610QM	4GBx2	15.6" HD	GTX 660M 2G	500G	7200		DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-45U	i7-3610QM	4GBx2	15.6" FHD	GTX 660M 2G	500G	7200		BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-43U	i7-3610QM	4GBx2	15.6" HD	GTX 660M 2G	1TB	5400		DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-4BU	i7-3610QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400		BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-46U	i7-3610QM	4GBx2	15.6" HD	GTX 660M 2G	750G	5400	32G	DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-4HU	i7-3610QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400	32G	BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-4PU	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	500G	7200		BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	10/12
2099-4MU	i7-3630QM	4GBx2	15.6" HD	GTX 660M 2G	1TB	5400		DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	10/12
2099-4NU	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400	32G	BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	10/12
2099-4RU	i7-3630QM	4GBx2	15.6" HD	GTX 660M 2G	500G	7200		DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	11/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom, and rotate functions**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7-3610QM processor (4 cores / 8 threads, 2.30GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz), integrated Intel HD Graphics 4000 Intel Core i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • ooVoo™ • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • Intelligent Touchpad • OneKey Theater • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (Blu-ray models) • Cyberlink Power2Go (DVD±RW models, Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GTX 660M Graphics , PCI Express® x16, 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	<i>Top:</i> dark gray with brushed metal, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	120-watt AC adapter
Battery - life ¹⁰	Up to 5.0 hr	EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	Limited Warranty¹²
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Y580 (NVIDIA) - Windows 8 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Graphics	SATA disk GB ⁸	mSATA rpm	SATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB 3.0 / USB 2.0	Backlit key-board	Win8 preload	Avail date (mm/yy)
2099-8NU	i7-3630QM	4GBx2	15.6" HD	GTX 660M 2G	1TB	5400		DVD±RW	Intel 2200	Dark Gray	BT4.0	x3 / x1	None	Win8 64	11/12
59359513	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400		BD burner	Intel 2200	Dark Gray	BT4.0	x3 / x1	None	Win8 64	11/12
59359510	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400	16G	BD burner	Intel 2200	Dark Gray	BT4.0	x3 / x1	None	Win8 64	11/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GTX 660M Graphics , PCI Express® x16, 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	<i>Top:</i> dark gray with brushed metal, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	Up to 5.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth 4.0 wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Y500



Lenovo IdeaPad Y500



Lenovo IdeaPad Y500
with optional 2nd fan or 2nd Graphics



Lenovo IdeaPad Y500
with optional 2nd fan or 2nd Graphics



Lenovo IdeaPad Y500



Lenovo IdeaPad Y500
with optional 2nd fan or 2nd Graphics

IdeaPad™ Y500 (NVIDIA) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Graphics	SATA disk	mSATA SSD	Ultrabay device	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Power adapter	Win8 preload	Avail date (mm/yy)
59359560	i5-3230M	4+2GB	15.6" FHD	GT 650M 2G (SLI)	1TB		2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	02/13
59359557	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G (SLI)	1TB		2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	02/13
59359554	i7-3630QM	8+4GB	15.6" FHD	GT 650M 2G (SLI)	1TB	16G	2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	02/13
59359559	i7-3630QM	8GBx2	15.6" FHD	GT 650M 2G (SLI)	1TB	16G	2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	02/13

- **15.6" widescreen, glossy display with LED backlight**
- **Always-on USB port – lets you recharge a mobile device even when the notebook is powered off and unplugged**
- **JBL designed speakers supporting Dolby Home Theatre V4 audio certification for immersive sound**
- **UltraBay – interchangeable bay that can be instantly swapped out for dual graphics capability, increased storage space, or an additional fan for cooling**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰ - Windows® 8 64-bit</p> <p>Preloaded applications¹⁴ (only some listed)</p> <p>- Traditional Desktop apps</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® <p>- Windows Store apps (Metro-style)</p> <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	<p>16GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Ultrabay	<p>One modular bay for interchangeable devices (optional): optical drive, second hard disk, second discrete graphics (require 170-watt AC adapter), and second cooling fan</p> <p>Optical None</p> <p>2nd hard disk None</p> <p>2nd graphics Second NVIDIA® GeForce® GT 650M Graphics, 2GB GDDR5, via Ultrabay</p> <p>2nd cooling fan None</p> <p>SATA disk 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high</p> <p>mSATA™ SSD <i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot</p>	
Widescreen display	<p>15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>	
Camera	<p>HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator</p>	
Graphics	<p>Dual NVIDIA GeForce® GT 650M Graphics, 2GB GDDR5 for each, one GT 650M via Ultrabay, DirectX® 11, NVIDIA SLI® enabled, require 170-watt power adapter, external monitor support via analog VGA connector / digital HDMI connector</p>	
Keyboard	<p>Full-size keyboard, 6-row, with LED backlight</p>	
Numeric keypad	<p>Numeric keypad on right of keyboard</p>	
Touchpad	<p>One-piece touchpad, multi-touch (4-point)</p>	
Dimensions ³	<p>(WxDxH): 15.2" x 10.2" x 0.6" to 1.4"; 387mm x 259mm x 15.5mm to 36.0mm</p>	
Weight ²	<p>with optical drive and battery: <i>6-cell</i>: 5.95 lb (2.7 kg), vary by configuration</p>	
Case color	<p><i>Top and Bottom:</i> Dusk black with hairline texture</p>	
Case material	<p><i>Top and palmrest:</i> Aluminium</p> <p><i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic</p>	
Battery - type	<p>Lithium Ion 6-cell, 72Wh</p>	
Battery - life ¹⁰	<p><i>GT 650M models:</i> Up to 3.0 hr</p>	
Chipset	<p>Mobile Intel HM76 Express Chipset</p>	
ExpressCard/34	<p>None</p>	
Multicard reader	<p>6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital eXtended Capacity Card, xD-Picture Card™)</p>	<p>120-watt or 170-watt AC adapter</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® qualified</p> <p>RoHS-compliant</p>
Ports	<p><i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p> <p><i>Right side:</i> one powered USB 2.0 port (Always-on USB)</p>	<p>Limited Warranty¹²</p> <p>↔ 1-year parts and labor</p> <p>↔ Depot repair service¹⁹</p> <p>↔ Service upgrade options (in eligible locations):⁹</p> <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 <p>↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686</p>
TV tuner	<p>None</p>	
PCIe Mini Card	<p>Two PCIe Mini Card slots (one for mSATA SSD, one for Wi-Fi adapter)</p>	
Intel 2230	<p>11b/g/n wireless⁴, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2</p>	
Bluetooth™	<p>Wi-Fi + Bluetooth combo adapter</p>	
Modem	<p>Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</p>	
Ethernet	<p>None</p>	
Audio support	<p>Gigabit ethernet, Atheros® AR8161L/AR8151, PCIe interface</p> <p>High Definition (HD) Audio, RealTek® ALC269 codec / JBL® stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF) (3.5 mm)</p>	
Security	<p>Power on password, Hard disk password, supervisor password, security lockhole</p>	
Fingerprint reader	<p>None</p>	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(BRND3-2) February 2013

IdeaPad™ Y500 (NVIDIA) - Windows 8 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Graphics	SATA disk	mSATA SSD	Ultrabay device	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Power adapter	Win8 preload	Avail date (mm/yy)
9541-2SU	i7-3630QM	4GBx2	15.6" HD	GT 650M 2G	1TB		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
59360242	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G	1TB		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9541-2VU	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G	1TB	16G	BD burner	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
59360241	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G	1TB	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9541-2ZU	i7-3630QM	8GBx2	15.6" FHD	GT 650M 2G	1TB	16G	BD burner	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9541-35U	i7-3632QM	8GBx2	15.6" FHD	GT 650M 2G	1TB	16G	BD burner	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
59356923	i7-3632QM	8GBx2	15.6" FHD	GT 650M 2G (SLI)	1TB	16G	2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	11/12
9541-2UU	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G		750G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	01/13

- **15.6" widescreen, glossy display with LED backlight**
- **Always-on USB port – lets you recharge a mobile device even when the notebook is powered off and unplugged**
- **JBL designed speakers supporting Dolby Home Theatre V4 audio certification for immersive sound**
- **UltraBay – interchangeable bay that can be instantly swapped out for dual graphics capability, increased storage space, or an additional fan for cooling**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰ - Windows® 8 64-bit</p> <p>Preloaded applications¹⁴ (only some listed)</p> <p>- Traditional Desktop apps</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) <p>- Windows Store apps (Metro-style)</p> <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	<p>16GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Ultrabay	<p>One modular bay for interchangeable devices (optional): optical drive, second hard disk, second discrete graphics (require 170-watt AC adapter), and second cooling fan</p> <p><i>Some:</i> DVD burner, DVD disk recordable, dual-layer support, via Ultrabay, 9.5mm, tray-in, <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, via Ultrabay, 9.5mm high, tray-in</p> <p>2nd hard disk 2nd graphics 2nd cooling fan SATA disk</p> <p><i>Some:</i> Second NVIDIA® GeForce® GT 650M Graphics, 2GB GDDR5, via Ultrabay</p> <p><i>Some:</i> 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high</p> <p><i>Some:</i> 750GB (7200 rpm) hybrid hard disk / with 8GB SLC NAND flash memory, SATA 6.0Gb/s, 9.5mm high</p> <p><i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot</p>	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<p><i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p> <p><i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<p><i>Some:</i> NVIDIA GeForce® GT 650M Graphics, 2GB GDDR5 memory, DirectX® 11</p> <p><i>Some:</i> Dual NVIDIA GeForce GT 650M Graphics, 2GB GDDR5 for each, one GT 650M via Ultrabay, DirectX 11, NVIDIA SLI® enabled, require 170-watt power adapter, external monitor support via analog VGA connector / digital HDMI connector</p>	
Keyboard	Full-size keyboard, 6-row, with LED backlight	
Numeric keypad	Numeric keypad on right of keyboard	
Touchpad	One-piece touchpad, multi-touch (4-point)	
Dimensions ³	(WxDxH): 15.2" x 10.2" x 0.6" to 1.4"; 387mm x 259mm x 15.5mm to 36.0mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg), vary by configuration	
Case color	<i>Top and Bottom:</i> Dusk black with hairline texture	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	120-watt or 170-watt AC adapter
Battery - life ¹⁰	<i>GT 650M models:</i> Up to 3.0 hr	EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital eXtended Capacity Card, xD-Picture Card™)	
Ports	<p><i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p> <p><i>Right side:</i> one powered USB 2.0 port (Always-on USB)</p>	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots (one for mSATA SSD, one for Wi-Fi adapter)	
Intel 2230	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8161L/AR8151, PCIe interface	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF) (3.5 mm)	
Security	Power on password, Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

Limited Warranty¹²

- ↪ **1-year parts and labor**
- ↪ **Depot repair service¹⁹**
- ↪ **Service upgrade options (in eligible locations):⁹**
 - **1-year Lenovo Onsite Repair¹³** 78Y1532
 - **1-year Onsite with accidental damage protection** 78Y1533
 - **2-year Lenovo Onsite Repair¹³** 78Y1536
 - **3-year Lenovo Depot Repair** 78Y1538
- ↪ **24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686**

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

IdeaPad™ Y500 (NVIDIA) - Windows 8 (web only) - April 2013 - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Graphics	SATA disk	mSATA SSD	Ultrabay device	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Power adapter	Win8 preload	Avail date (mm/yy)
59371960	i7-3630QM	4GBx2	15.6" HD	GT 750M 2G	1TB		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371965	i7-3630QM	4GBx2	15.6" FHD	GT 750M 2G	1TB		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371972	i7-3630QM	4GBx2	15.6" FHD	GT 750M 2G	1TB	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371969	i7-3630QM	8+4GB	15.6" FHD	GT 750M 2G	1TB	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371963	i7-3630QM	8GBx2	15.6" FHD	GT 750M 2G (SLI)	1TB	16G	2nd GT 750M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	04/13

- **15.6" widescreen, glossy display with LED backlight**
- **Always-on USB port – lets you recharge a mobile device even when the notebook is powered off and unplugged**
- **JBL designed speakers supporting Dolby Home Theatre V4 audio certification for immersive sound**
- **UltraBay – interchangeable bay that can be instantly swapped out for dual graphics capability, increased storage space, or an additional fan for cooling**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed)
Ultrabay	One modular bay for interchangeable devices (optional): optical drive, second hard disk, second discrete graphics (require 170-watt AC adapter), and second cooling fan <i>Some:</i> DVD burner, DVD disk recordable, dual-layer support, via Ultrabay, 9.5mm, tray-in,	<ul style="list-style-type: none"> - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Optical 2 nd hard disk	None	
2 nd graphics	<i>Some:</i> Second NVIDIA® GeForce® GT 750M Graphics , 2GB GDDR5, via Ultrabay	
2 nd cooling fan	None	
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<i>Some:</i> NVIDIA GeForce® GT 750M Graphics , 2GB GDDR5 memory, DirectX® 11 <i>Some:</i> Dual NVIDIA GeForce GT 750M Graphics , 2GB GDDR5 for each, one GT 750M via Ultrabay, DirectX 11, NVIDIA SLI® enabled, require 170-watt power adapter, external monitor support via analog VGA connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight	
Numeric keypad	Numeric keypad on right of keyboard	
Touchpad	One-piece touchpad, multi-touch (4-point)	
Dimensions ³	(WxDxH): 15.2" x 10.2" x 0.6" to 1.4"; 387mm x 259mm x 15.5mm to 36.0mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.95 lb (2.7 kg), vary by configuration	
Case color	<i>Top and Bottom:</i> Dusk black with hairline texture	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	<i>GT 750M models:</i> Up to 3.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital eXtended Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one powered USB 2.0 port (Always-on USB)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots (one for mSATA SSD, one for Wi-Fi adapter)	
Intel 2230	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8161L/AR8151, PCIe interface	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF) (3.5 mm)	
Security	Power on password, Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	
		120-watt or 170-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
		Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Z370 (black)



Lenovo IdeaPad Z370 (blue)



Lenovo IdeaPad Z370 (blue)



Lenovo IdeaPad Z370 (black)



Lenovo IdeaPad Z370 (black)



Lenovo IdeaPad Z370 (black)

IdeaPad™ Z370 (1025) - Integrated (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
1025-26U	i5-2410M	2.30	2.90	2GBx2	13.3" HD	LED	0.3M	Intel HD	500GB ⁸	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Jul 11
1025-27U	i3-2310M	2.10		2GBx2	13.3" HD	LED	0.3M	Intel HD	320GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Jul 11
1025-2EU	i3-2330M	2.20		4GBx1	13.3" HD	LED	0.3M	Intel HD	320GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Nov 11
1025-2DU	i5-2430M	2.40	3.00	4+2GB	13.3" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Nov 11
1025-78U	i3-2350M	2.30		4GBx1	13.3" HD	LED	0.3M	Intel HD	320GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Feb 12

- **13.3" widescreen, glossy display with LED backlight**
- **Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 12.9" x 8.7" x 0.8" to 1.3"; 328mm x 222mm x 20mm to 33mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.41lb (2.0 kg)	
Case color	Black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	<i>Integrated:</i> up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Limited Warranty¹²
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VB codec / SRS® Premium Sound™, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	<ul style="list-style-type: none"> • 1-year warranty • Mail in repair service • Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 • 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Hard disk password, user password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Z370 (1025) - Integrated (Windows 7) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
1025-22U	i5-2410M	2.30	2.90	2GBx2	13.3" HD	LED	2.0M	Intel HD	500GB ⁸	DVD±RW	11b/g/n	Black	Bluetooth	Prem 64	Mar 11
1025-23U	i3-2310M	2.10		2GBx2	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Bluetooth	Prem 64	Mar 11
1025-25U	i5-2410M	2.30	2.90	2GBx2	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Blue	Bluetooth	Prem 64	Mar 11
1025-2UU	B800	1.50		4GBx1	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Dec 11
1025-2VU	i3-2330M	2.20		4GBx1	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Dec 11
1025-AEU	i5-2430M	2.40	3.00	4GBx1	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Blue	Bluetooth	Prem 64	Feb 12

- **13.3" widescreen, glossy display with LED backlight**
- **Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz)</p> <p>Intel Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 12.9" x 8.7" x 0.8" to 1.3"; 328mm x 222mm x 20mm to 33mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.41lb (2.0 kg)	
Case color	Black or blue top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	<i>Integrated:</i> up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip, 1x1	
Intel 1000	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VB codec / SRS® Premium Sound™, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, user password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Z370 (1025) - Optimus (Windows 7) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
1025-24U	i5-2520M	2.50	3.20	2+4GB	13.3" HD	LED	2.0M	GF 410M	750GB ⁸	DVD±RW	11b/g/n	Black	Bluetooth	Prem 64	Mar 11

- 13.3" widescreen, glossy display with LED backlight
- Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Widescreen flexibility; two-spindle Intel® Core™ i5-2520M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</i>											Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64	
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets											Preloaded applications¹⁴ (only some listed)	
Diskette drive	None											<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare 	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in												
SATA disk	750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high												
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator												
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® 410M , PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector												
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key												
Numeric keypad	None												
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control												
Light sensor	None												
Touch pad	One-piece touch pad with scroll feature, multi-touch												
Dimensions ³	<i>(WxDxH): 12.9" x 8.7" x 0.8" to 1.3"; 328mm x 222mm x 20mm to 33mm</i>											90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant	
Weight ²	<i>with optical drive and battery: 6-cell: 4.41lb (2.0 kg)</i>												
Case color	Black top, black bottom												
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic												
Battery - type	Lithium Ion 6-cell												
Battery - life ¹⁰	<i>Discrete with Optimus: up to 4.5 hr</i>												
Chipset	Mobile Intel HM65 Express Chipset											Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	
ExpressCard/34	None												
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)												
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
TV tuner	None												
PCIe Mini Card	One PCIe Mini Card slot												
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip, 1x1												
Bluetooth™	Bluetooth 2.1 wireless + EDR												
Modem	None												
Ethernet	10/100M ethernet, Realtek® RTL8105E												
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VB codec / SRS® Premium Sound™, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)												
Security	Hard disk password, user password, administrator password, security lockhole												
Fingerprint reader	None												

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Z380 (Peony pink)



Lenovo IdeaPad Z380 (Peony pink)



Lenovo IdeaPad Z380 (Enamel white)



Lenovo IdeaPad Z380 (Graphite gray)



Lenovo IdeaPad Z380 (Graphite gray)



Lenovo IdeaPad Z380 (Graphite gray)

IdeaPad™ Z380 (2129) - Integrated (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2129-38U	i5-2450M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 3000	500GB 7200	DVD±RW	11b/g/n ²⁸	Pink	BT	Prem 64	06/12
2129-32U	i3-2370M	2.40	3.10	4GBx1	13.3" HD	LED	720p	Intel HD 3000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	07/12
2129-33U	i3-2370M	2.40	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 3000	500GB 7200	DVD±RW	11b/g/n	Gray	BT	Prem 64	07/12
2129-34U	i5-2450M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 3000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	07/12
2129-39U	i5-2450M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 3000	500GB 7200	DVD±RW	11b/g/n	White	BT	Prem 64	07/12
2129-35U	i5-2450M	2.50	3.10	4GBx2	13.3" HD	LED	720p	Intel HD 3000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	07/12
2129-3BU	i3-3110M	2.40	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Gray	BT	Prem 64	08/12
2129-3DU	i5-3210M	2.50	3.10	4GBx2	13.3" HD	LED	720p	Intel HD 4000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	08/12
2129-3HU	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	White	BT	Prem 64	08/12
2129-3JU	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Pink	BT	Prem 64	08/12
2129-3CU	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	09/12

- **13.3" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2370M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000 Intel Core i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology integrated Intel HD Graphics 3000 Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm) or 500GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 12.9" x 8.7" x 1.2" to 1.3"; 328mm x 222mm x 30.8mm to 32.4mm <i>PC/ABS top (WxDxH):</i> 12.9" x 8.7" x 1.2" to 1.3"; 328mm x 222mm x 31.3mm to 32.9mm with optical drive and battery; <i>6-cell:</i> 4.63 lb (2.1 kg)	
Weight ²		
Case color	Graphite gray, enamel white, or peony pink top, black bottom	
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white and pink models); <i>Bottom:</i> PC/ABS	<i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year warranty
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	↪ Mail In repair service
Ports	One USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532
TV tuner	None	• 1-year Onsite with accidental damage protection 78Y1533
PCIe Mini Card	One PCIe Mini Card slot 11b/g/n wireless ⁸ , PCIe Mini Card adapter, Broadcom® or Atheros® chip	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth wireless	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Z380 (2129) - Integrated (Windows 8) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁵	SATA rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
2129-44U	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB	5400	DVD±RW	Intel 2200 ²⁸	Gray	BT4.0	Win8 64	11/12
2129-45U	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB	5400	DVD±RW	Intel 2200	White	BT4.0	Win8 64	11/12
2129-46U	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB	5400	DVD±RW	Intel 2200	Pink	BT4.0	Win8 64	11/12
2129-48U	i5-3210M	2.50	3.10	4GBx2	13.3" HD	LED	720p	Intel HD 4000	1TB	5400	DVD±RW	Intel 2200	Gray	BT4.0	Win8 64	11/12

- 13.3" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning	<i>Widescreen flexibility; two-spindle</i>											Preloaded operating system²⁰ - Windows [®] 8 64-bit			
Processor	Intel® Core™ Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology integrated Intel HD Graphics 4000											Preloaded applications¹⁴ (only some listed)			
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller											- Traditional Desktop apps			
Diskette drive	None											• Lenovo OneKey Recovery			
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in											• Lenovo OneKey Theater			
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high											• Lenovo Cloud Storage by SugarSync			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset											• PokeTALK			
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio											• McAfee [®] Internet Security (30-Day Trial)			
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator											• Nitro Pro (90-Day Trial)			
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant											• CyberLink YouCam			
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key											• Microsoft Office preloaded; purchase product key to activate			
Numeric keypad	None											• Exent Games Portal			
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control											• Lenovo Energy Management			
Light sensor	None											• Cyberlink Power2Go (DVD±RW models, BD burner models)			
Touch pad	One-piece touch pad, supports multi-touch											• Cyberlink PowerDVD (DVD±RW models, BD burner models)			
Dimensions ³	<i>Aluminium top (WxDxH):</i> 12.9" x 8.7" x 1.2" to 1.3"; 328mm x 222mm x 30.8mm to 32.4mm <i>PC/ABS top (WxDxH):</i> 12.9" x 8.7" x 1.2" to 1.3"; 328mm x 222mm x 31.3mm to 32.9mm											• Intel AppUp [®]			
Weight ²	with optical drive and battery: <i>6-cell:</i> 4.63 lb (2.1 kg)											- Windows Store apps (Metro-style)			
Case color	Graphite gray, enamel white, or peony pink top, black bottom											• AccuWeather			
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white and pink models); <i>Bottom:</i> PC/ABS											• eBay			
Battery - type	Lithium Ion 6-cell, 48Wh											• Evernote			
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr											• Skype			
Chipset	Mobile Intel HM76 Express Chipset											• Amazon Kindle			
ExpressCard/34	None											• McAfee			
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)											• Lenovo Support			
Ports	One USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											• PowerDVD			
TV tuner	None											• Rara Streaming			
PCIe Mini Card	One PCIe Mini Card slot											• Lenovo Companion			
Intel 2200 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2200, 2 x 2											<i>Integrated models:</i> 65-watt AC adapter			
Bluetooth™	Bluetooth 4.0 wireless											EPEAT™ Gold rating			
Modem	None											ENERGY STAR [®] qualified			
Ethernet	10/100M ethernet, Realtek [®] RTL8105E											RoHS-compliant			
Audio support	High Definition (HD) Audio, RealTek [®] ALC269 codec / Dolby [®] Home Theater [®] v4 audio enhancement, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)											Limited Warranty¹²			
Security	Power on password, Hard disk password, administrator password, security lockhole											↪ 1-year warranty			
Fingerprint reader	None											↪ Mail In repair service			
												↪ Service upgrade options⁵⁸ (in eligible locations): ⁹			
												• 1-year Lenovo Onsite Repair¹³ 78Y1532			
												• 1-year Onsite with accidental damage protection 78Y1533			
												• 2-year Lenovo Onsite Repair¹³ 78Y1536			
												• 3-year Lenovo Depot Repair 78Y1538			
												↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Z470



Lenovo IdeaPad Z470



Lenovo IdeaPad Z470



Lenovo IdeaPad Z470



Lenovo IdeaPad Z470



Lenovo IdeaPad Z470

IdeaPad™ Z470 (1022) - Integrated (Windows 7) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
1022-45U	i5-2410M	2.30	2.90	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	Blu-ray	Intel 1000	Blue	BT2.1	Prem 64	May 11
1022-46U	i5-2410M	2.30	2.90	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	May 11
1022-47U	i5-2410M	2.30	2.90	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	May 11
1022-49U	i5-2410M	2.30	2.90	4GBx1	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Sep 11
1022-4AU	i5-2410M	2.30	2.90	4GBx1	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Pink	BT2.1	Prem 64	Sep 11
1022-4BU	i5-2410M	2.30	2.90	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	Blu-ray	Intel 1000	Black	BT2.1	Prem 64	Sep 11
1022-4MU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11
1022-4NU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	Blu-ray	Intel 1000	Black	BT2.1	Prem 64	Dec 11
1022-4QU	i5-2430M	2.40	3.00	4+2GB	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11
1022-4RU	i5-2430M	2.40	3.00	4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Pink	BT2.1	Prem 64	Dec 11
1022-4SU	i5-2430M	2.40	3.00	4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Dec 11
1022-5LU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	LED	2.0M	Intel HD	500GB 7200	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11
1022-5MU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Dec 11
1022-5CU	i5-2450M	2.50	3.10	4+2GB	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Feb 12
1022-5EU	i5-2450M	2.50	3.10	4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Feb 12
1022-5DU	i5-2450M	2.50	3.10	4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Pink	BT2.1	Prem 64	Mar 12
1022-5QU	i5-2450M	2.50	3.10	4GBx2	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Mar 12
1022-4LU	B800	1.50		4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	May 12
1022-59U	i5-2450M	2.50	3.10	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	May 12
1022-5ZU	i5-2450M	2.50	3.10	4GBx2	14.0" HD	LED	2.0M	Intel HD	1TB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	May 12
1022-5BU	i5-2450M	2.50	3.10	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Jul 12

- 14.0" widescreen, glossy display with LED backlight
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz)</p> <p>Intel Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p> <p>Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Cyberlink PowerDVD (Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.1" x 0.8" to 1.3"; 341mm x 232mm x 20mm to 34mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	Dusk black, sky blue, or pink top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek ALC269Q-VB codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Z480 (Graphite Gray)



Lenovo IdeaPad Z480 (Graphite Gray)



Lenovo IdeaPad Z480 (Coral Blue)



Lenovo IdeaPad Z480 (Coral Blue)



Lenovo IdeaPad Z480 (Graphite gray)



Lenovo IdeaPad Z480 (Cherry Red)

IdeaPad™ Z480 (2148) - Integrated (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁹ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2148-35U	i3-3110M	2.40		4+2GB	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n ²⁸	Gray	BT4.0	Prem 64	07/12
2148-3FU	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Red	BT4.0	Prem 64	07/12
2148-3HU	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Blue	BT4.0	Prem 64	07/12
2148-36U	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Gray	BT4.0	Prem 64	07/12
2148-3BU	i5-3210M	2.50	3.10	4GBx2	14.0" HD	LED	720p	Intel HD 4000	750GB 5400	DVD±RW	11b/g/n	Gray	BT4.0	Prem 64	07/12
2148-3EU	i7-3612QM	2.10	3.10	4GBx2	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Gray	BT4.0	Prem 64	07/12

- 14.0" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- Lenovo Rescue System provides OneKey Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000 Intel Core i7-3612QM processor (4 cores / 8 threads, 2.10GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey™ Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (7200 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 13.4" x 9.1" x 1.28" ~ 1.34"; 341mm x 232mm x 32.4mm ~ 34.0mm <i>PC/ABS top (WxDxH):</i> 13.4" x 9.1" x 1.30" ~ 1.36"; 341mm x 232mm x 32.9mm ~ 34.5mm with optical drive and battery: <i>6-cell:</i> 5.07 lb (2.3 kg)	
Weight ²		
Case color	Graphite gray, coral blue, or cherry red top, black bottom	
Case material	<i>Top:</i> Aluminum (gray models) or PC/ABS (blue and red models); <i>Bottom:</i> PC/ABS	<i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium Ion 6-cell , 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year warranty
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	↪ Mail in repair service
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532
TV tuner	None	• 1-year Onsite with accidental damage protection 78Y1533
PCIe Mini Card	One PCIe Mini Card slot 11b/g/n wireless ²⁸ , PCIe Mini Card adapter, Broadcom® or Atheros® chip, 1x1	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(RUM2-1) July 2012

IdeaPad™ Z480 (2148) - Integrated (Windows 8) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁹ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
2148-46U	i3-3110M	2.40	3.10	4GBx1	14.0" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200 ²⁸	Gray	BT4.0	Win8 64	11/12
2148-4AU	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Red	BT4.0	Win8 64	11/12
2148-4BU	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Blue	BT4.0	Win8 64	11/12
2148-4CU	i5-3210M	2.50	3.10	4GBx2	14.0" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Gray	BT4.0	Win8 64	11/12
2148-4NU	i7-3632QM	2.20	3.20	4GBx2	14.0" HD	LED	720p	Intel HD 4000	1TB 5400	BD burner	Intel 2200	Gray	BT4.0	Win8 64	11/12

- 14.0" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- Lenovo Rescue System provides OneKey Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000 Intel Core i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	Aluminium top (WxDxH): 13.4" x 9.1" x 1.28" ~ 1.34"; 341mm x 232mm x 32.4mm ~ 34.0mm PC/ABS top (WxDxH): 13.4" x 9.1" x 1.30" ~ 1.36"; 341mm x 232mm x 32.9mm ~ 34.5mm	
Weight ²	with optical drive and battery: 6-cell: 5.07 lb (2.3 kg)	
Case color	Graphite gray, coral blue, or cherry red top, black bottom	
Case material	Top: Aluminium (gray models) or PC/ABS (blue and red models); Bottom: PC/ABS	Integrated models: 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium Ion 6-cell , 48Wh	
Battery - life ¹⁰	Integrated models: up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year warranty
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	↪ Mail In repair service
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ Service upgrade options⁵⁸ (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	One PCIe Mini Card slot	• 1-year Onsite with accidental damage protection 78Y1533
Intel 2200 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2 x 2	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(RUM2-2) November 2012



Lenovo IdeaPad Z400 (Dark chocolate)



Lenovo IdeaPad Z400 (Dark chocolate)



Lenovo IdeaPad Z400 (Pink)



Lenovo IdeaPad Z400 (Blue)



Lenovo IdeaPad Z400 (Dark chocolate)



Lenovo IdeaPad Z400

IdeaPad™ Z400 (Integrated) - Windows 8 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Pro-processor	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59354520	i7-3520M	4GBx2	14.0" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	01/13

- **14.0" widescreen with LED backlight**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000										Preloaded operating system²⁰ - Windows® 8 64-bit			
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp®			
Diskette drive	None										• Windows Store apps • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion			
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in													
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high										Integrated models: 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset													
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator													
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector													
Keyboard	Full-size keyboard, 6-row, Fn keys, with LED backlight on selected models													
Numeric keypad	None													
Light sensor	None													
Touch pad	One-piece touch pad, supports multi-touch													
Dimensions ³	<i>(WxDxH):</i> 13.6" x 9.6" x 1.0"; 345mm x 244mm x 26.0mm													
Weight ²	with optical drive and battery: <i>4-cell:</i> 4.41 lb (2.0 kg)													
Case color	<i>Top:</i> dark chocolate, blue, or pink; <i>bottom:</i> color matches top color													
Case material	<i>Top and bottom:</i> PC/ABS													
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAH													
Battery - life ¹⁰	up to 5 hr													
Chipset	Mobile Intel HM76 Express Chipset													
ExpressCard/34	None													
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)													
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Two PCIe Mini Card slots													
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter													
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)													
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LAFT1-1) February 2013

IdeaPad™ Z400 Touch (Integrated) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Pro-processor	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59361316	i5-3230M	4+2GB	14.0" HD	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13

- **14.0" widescreen with LED backlight**
- **Enjoy greater accuracy with the 10-point multi-touch display optimized for the new Windows 8 interface**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000										Preloaded operating system²⁰ - Windows® 8 64-bit			
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion			
Diskette drive	None													
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in													
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high													
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset													
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless													
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, GFF Solution													
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator													
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector													
Keyboard	Full-size keyboard, 6-row, Fn keys, with LED backlight on selected models													
Numeric keypad	None													
Light sensor	None													
Touch pad	One-piece touch pad, supports multi-touch													
Dimensions ³	<i>(WxDxH):</i> 13.6" x 9.6" x 1.1"; 345mm x 244mm x 29.15mm													
Weight ²	with optical drive and battery: <i>4-cell:</i> 5.29 lb (2.4 kg)													
Case color	<i>Top:</i> dark chocolate; <i>bottom:</i> color matches top color													
Case material	<i>Top and bottom:</i> PC/ABS													
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh													
Battery - life ¹⁰	up to 5 hr													
Chipset	Mobile Intel HM76 Express Chipset													
ExpressCard/34	None													
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)													
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Two PCIe Mini Card slots													
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter										<i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E										Limited Warranty¹²			
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)										↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LAF1T-2) March 2013

IdeaPad™ Z400 Touch (Integrated) - Windows 8 (web only) - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Pro-cessor	Memory	Widescreen display	CCFL or LED	Multi-touch	Cam-era	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59362573	i3-3120M	4GBx1	14.0" HD	LED	10-Point	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59362575	i5-3230M	4GBx2	14.0" HD	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59362578	i7-3520M	4GBx2	14.0" HD	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59365077	i5-3230M	4GBx2	14.0" HD+	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59365072	i7-3520M	4GBx2	14.0" HD+	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59365073	i7-3632QM	4GBx2	14.0" HD+	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13

- **14.0" widescreen with LED backlight**
- **Enjoy greater accuracy with the 10-point multi-touch display optimized for the new Windows 8 interface**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-3120M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Windows® 8 64-bit <p>Preloaded applications¹⁴ (only some listed)</p> <p>- Traditional Desktop apps</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® <p>- Windows Store apps</p> <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	<p>16GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	<p><i>Some:</i> 14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless</p> <p><i>Some:</i> 14.0" (355.6mm) HD+ (1600x900) TFT color, VibrantView (glossy); LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless</p>	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, GFF Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<p>Intel HD Graphics 4000 in processor,</p> <p>External monitor support via analog VGA DB-15 connector / digital HDMI connector</p>	
Keyboard	Full-size keyboard, 6-row, Fn keys, with LED backlight on selected models	
Numeric keypad	None	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	(WxDxH): 13.6" x 9.6" x 1.1"; 345mm x 244mm x 29.15mm	
Weight ²	with optical drive and battery: 4-cell: 5.29 lb (2.4 kg)	
Case color	<i>Top:</i> dark chocolate; <i>bottom:</i> color matches top color	
Case material	<i>Top and bottom:</i> PC/ABS	
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh	
Battery - life ¹⁰	up to 5 hr	<p><i>Integrated models:</i> 65-watt AC adapter</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® qualified</p> <p>RoHS-compliant</p>
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)	
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2	
	Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Z570



Lenovo IdeaPad Z570



Lenovo IdeaPad Z570



Lenovo IdeaPad Z570



Lenovo IdeaPad Z570



Lenovo IdeaPad Z570

IdeaPad™ Z570 (1024) - Integrated (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-32U	i5-2520M	2.50	3.20	2+4GB	15.6" HD	LED	2.0M	Intel HD	500GB ⁸	DVD±RW	11b/g/n	Gray	BT2.1	Prem 64
1024-33U	i3-2310M	2.10		2GBx2	15.6" HD	LED	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Gray	BT2.1	Prem 64
1024-3SU	i3-2310M	2.10		2GBx2	15.6" HD	LED	0.3M	Intel HD	500GB	Blu-ray	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-95U	i3-2310M	2.10		2GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-3JU	i3-2310M	2.10		2GBx2	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-94U	i5-2410M	2.30	2.90	2+4GB	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-3WU	i5-2410M	2.30	2.90	2GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-96U	i7-2630QM	2.00	2.90	2GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2520M processor (dual-core, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Cyberlink PowerDVD (Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	
Weight ²	with optical drive and battery: 6-cell: 5.73lb (2.6 kg)	
Case color	Gray or gunmetal gray top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	Dual-core models: 65-watt AC adapter Quad-core models: 90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	Limited Warranty ¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
11b/g/n	Some: 11b/g/n wireless + EDR	
Intel 1000	None	
Bluetooth™	None	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIQR1-1) July 2011

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-9LU	i3-2330M	2.20		4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB ⁸	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-9MU	i3-2330M	2.20		4+2GB	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-9QU	i5-2430M	2.40	3.00	4+2GB	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-9RU	i5-2430M	2.40	3.00	4GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	Blu-ray	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-9UU	i7-2670QM	2.20	3.10	4+2GB	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-AMU	i3-2350M	2.30		4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-DAU	i3-2350M	2.30		4+2GB	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-DCU	i5-2450M	2.50	3.10	4+2GB	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-A3U	i7-2670QM	2.20	3.10	4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-ASU	i5-2450M	2.50	3.10	4GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	Blu-ray	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-A6U	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Cyberlink PowerDVD (Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)	
Case color	Gray or gunmetal gray top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	Dual-core models: 65-watt AC adapter Quad-core models: 90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	Limited Warranty ¹² ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

IdeaPad™ Z570 (1024) - Integrated (Windows 7) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
1024-34U	i5-2410M	2.30	2.90	4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB ⁸	DVD±RW	Intel 1000	Gray		Prem 64	Jun 11
1024-36U	i3-2310M	2.10		4GBx1	15.6" HD	LED	0.3M	Intel HD	320GB	DVD±RW	Intel 1000	Gray		Prem 64	Jun 11
1024-97U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB	BD burner	Intel 1000	Black	BT2.1	Prem 64	Jun 11
1024-98U	i7-2630QM	2.00	2.90	4GBx1	15.6" HD	LED	2.0M	Intel HD	500GB	BD burner	Intel 1000	Black	BT2.1	Prem 64	Jun 11
1024-9GU	i5-2410M	2.30	2.90	4GBx1	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Sep 11
1024-9JU	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Sep 11
1024-ALU	i5-2430M	2.40	3.00	4+2GB	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11
1024-AVU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p> <p>Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	<i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
	320GB (5400 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.73lb (2.6 kg)	
Case color	Gray, blue, or black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	<i>Some:</i> Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	
		<p>Dual-core models: 65-watt AC adapter</p> <p>Quad-core models: 90-watt AC adapter</p> <p>Wireless on/off switch</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p>
		<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIQR1-2) December 2011

IdeaPad™ Z570 (1024) - Integrated (January 2012) - web only - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-DDU	i5-2450M	2.50	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64
1024-DHU	i5-2450M	2.50	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Gray	BT2.1	Prem 64
1024-D9U	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 7200	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-DEU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64
1024-DKU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Gray	BT2.1	Prem 64
1024-DJU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Gray	BT2.1	Prem 64
1024-DNU	B800	1.50		4GBx1	15.6" HD	LED	2.0M	Intel HD	1TB 5400	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-DQU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	1TB 5400	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Core™ i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	Dual-core models: 65-watt AC adapter
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)	Quad-core models: 90-watt AC adapter
Case color	Gray, blue, or black top, black bottom	Wireless on/off switch
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	EPEAT™ Gold rating
Battery - type	Lithium Ion 6-cell	ENERGY STAR® 5.0-compliant
Battery - life ¹⁰	Up to 5 hr	RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year warranty
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	↪ Mail in repair service
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532
TV tuner	None	• 1-year Onsite with accidental damage protection 78Y1533
PCIe Mini Card	One PCIe Mini Card slot	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	• 3-year Lenovo Depot Repair 78Y1538
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIQR1-6) May 2012

IdeaPad™ Z570 (1024) - NVIDIA (Windows 7) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-3ZU	i5-2410M	2.30	2.90	4+2GB	15.6" HD	LED	0.3M	GT 520M	750GB ⁸	Blu-ray	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64			
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										Preloaded applications¹⁴ (only some listed)			
Diskette drive	None										<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Cyberlink PowerDVD (Blu-ray) • Lenovo DirectShare 			
SATA optical	Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in													
SATA disk	750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high													
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator													
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 520M , PCI Express® x16, 1GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector													
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key													
Numeric keypad	Numeric keypad on right of keyboard													
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control													
Light sensor	None													
Touch pad	One-piece touch pad with scroll feature, multi-touch													
Dimensions ³	<i>(WxDxH)</i> : 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm										90-watt AC adapter Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant			
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)													
Case color	Gray or gunmetal gray top, black bottom													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion 6-cell													
Battery - life ¹⁰	Up to 4.5 hr													
Chipset	Mobile Intel HM65 Express Chipset										<p align="center">Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
ExpressCard/34	None													
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	One PCIe Mini Card slot													
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000													
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)													
Security	Hard disk password, supervisor password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIQR1-3) July 2011

IdeaPad™ Z570 (1024) - NVIDIA (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-9HU	i5-2410M	2.30	2.90	4GBx2	15.6" HD	LED	2.0M	GT 540M	750GB ⁸	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-AKU	i5-2430M	2.40	3.00	4GBx2	15.6" HD	LED	2.0M	GT 540M	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-AFU	i5-2450M	2.50	3.10	4GBx2	15.6" HD	LED	2.0M	GT 540M	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p> <p>Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p>											<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets											
Diskette drive	None											
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in											
SATA disk	750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high											
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio											
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator											
Graphics	<p>NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 540M, PCI Express® x16, 1GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector</p>											
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key											
Numeric keypad	Numeric keypad on right of keyboard											
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control											
Light sensor	None											
Touch pad	One-piece touch pad with scroll feature, multi-touch											
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm											<p>90-watt AC adapter</p> <p>Wireless on/off switch</p> <p>Graphic Optimus/Integrated switch</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p>
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)											
Case color	Gunmetal gray top, black bottom											
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic											
Battery - type	Lithium Ion 6-cell											
Battery - life ¹⁰	Up to 4.5 hr											
Chipset	Mobile Intel HM65 Express Chipset											<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
ExpressCard/34	None											
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)											
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
TV tuner	None											
PCIe Mini Card	One PCIe Mini Card slot											
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000											
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface											
Modem	None											
Ethernet	10/100M ethernet, Realtek® RTL8105E											
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)											
Security	Hard disk password, supervisor password, security lockhole											
Fingerprint reader	None											

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIQR1-4) May 2012

IdeaPad™ Z575 (1299) - Integrated - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Base (GHz)	Max (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB rpm	Optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1299-22U	A4-3300M	1.90	2.50	2GBx2	15.6" HD	LED	0.3M	HD 6480G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray		Prem 64
1299-25U	A6-3400M	1.40	2.30	2+4GB	15.6" HD	LED	0.3M	HD 6520G	750G 5400	DVD±RW	11b/g/n	Gunmetal gray		Prem 64
1299-27U	A8-3500M	1.50	2.40	2+4GB	15.6" HD	LED	0.3M	HD 6620G	750G 5400	DVD±RW	11b/g/n	Gunmetal gray	BT.2.1	Prem 64
1299-2JU	A4-3305M	1.90	2.50	4GBx1	15.6" HD	LED	0.3M	HD 6480G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray		Prem 64
1299-2DU	A6-3420M	1.50	2.40	4GBx1	15.6" HD	LED	0.3M	HD 6520G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray		Prem 64
1299-2KU	A8-3520M	1.60	2.50	2+4GB	15.6" HD	LED	0.3M	HD 6620G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray	BT.2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>AMD Accelerated Processor A4-3300M (dual-core, 1.90GHz, 2MB L2 cache), integrated AMD Radeon™ HD 6480G Graphics, AMD Turbo Core technology (Up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A4-3305M (dual-core, 1.90GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6480G Graphics, AMD Turbo Core technology (Up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A6-3400M (quad-core, 1.40GHz, 4MB L2 cache), integrated AMD Radeon HD 6520G Graphics, AMD Turbo Core technology (Up to 2.30GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A6-3420M (quad-core, 1.50GHz, 4MB L2 cache), integrated AMD Radeon HD 6520G Graphics, AMD Turbo Core technology (Up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A8-3500M (quad-core, 1.50GHz, 4MB L2 cache), integrated AMD Radeon HD 6620G Graphics, AMD Turbo Core technology (Up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A8-3520M (quad-core, 1.60GHz, 4MB L2 cache), integrated AMD Radeon HD 6620G Graphics, AMD Turbo Core technology (Up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz)</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	
Graphics	AMD Radeon HD Graphics , in processor, use system memory; External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)	
Case color	Gunmetal gray top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	AMD A60M FCH	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Limited Warranty¹²
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip	
Bluetooth™	<i>Some:</i> Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	<ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Z575 (1299) - Integrated (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Base (GHz)	Max (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB rpm	Optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1299-32U	E2-3000M	1.80	2.40	2GBx1	15.6" HD	LED	0.3M	HD 6380G	320G 7200	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64
1299-33U	A4-3300M	1.90	2.50	4GBx1	15.6" HD	LED	0.3M	HD 6480G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64
1299-34U	A6-3400M	1.40	2.30	4GBx1	15.6" HD	LED	0.3M	HD 6520G	750G 5400	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64
1299-36U	A4-3300M	1.90	2.50	4+2GB	15.6" HD	LED	0.3M	HD 6480G	750G 5400	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64
1299-37U	A4-3300M	1.90	2.50	4+2GB	15.6" HD	LED	0.3M	HD 6480G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle AMD Accelerated Processor E2-3000M (dual-core, 1.80GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6380G Graphics, AMD Turbo Core technology (Up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor A4-3300M (dual-core, 1.90GHz, 2MB L2 cache), integrated AMD Radeon HD 6480G Graphics, AMD Turbo Core technology (Up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor A6-3400M (quad-core, 1.40GHz, 4MB L2 cache), integrated AMD Radeon HD 6520G Graphics, AMD Turbo Core technology (Up to 2.30GHz), integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	320GB (7200 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	
Graphics	<i>Some:</i> AMD Radeon HD 6380G Graphics , in E2-3000M, DirectX® 11, use system memory; <i>Some:</i> AMD Radeon HD 6480G Graphics , in A4-3300M, DirectX 11, use system memory; <i>Some:</i> AMD Radeon HD 6520G Graphics , in A6-3400M, DirectX 11, use system memory; External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	
Weight ²	with optical drive and battery: 6-cell: 5.73lb (2.6 kg)	
Case color	Gunmetal gray top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	AMD A60M FCH	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	Limited Warranty ¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip	
Bluetooth™	None	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Z580 (Graphite gray)



Lenovo IdeaPad Z580 (Graphite gray)



Lenovo IdeaPad Z580 (Enamel white)



Lenovo IdeaPad Z580 (Cherry red)



Lenovo IdeaPad Z580 (Graphite gray)



Lenovo IdeaPad Z580 (Enamel white)

IdeaPad™ Z580 (2151) - Integrated - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2151-23U	i3-2370M	2.40		4GBx1	15.6" HD	LED	720p	Intel HD 3000	750G 5400	DVD±RW	Intel 2200	Graphite gray		Prem 64	08/12
2151-26U	i3-3110M	2.40		4+2GB	15.6" HD	LED	720p	Intel HD 4000	750G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12
2151-27U	i5-3210M	2.50	3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	750G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12
2151-29U	i7-3520M	2.90	3.60	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2370M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000</p> <p>Intel Core i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3520M processor (2 cores / 4 threads, 2.90 GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)	
Case color	Graphite gray, enamel white, or cherry red top, black bottom	
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS	<p><i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p>
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200	
Bluetooth™	<i>Some:</i> Bluetooth wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIQR2-2) August 2012

IdeaPad™ Z580 (Integrated) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59345252	i3-3110M	2.40		4GBx1	15.6" HD	LED	720p	Intel HD 4000	750G	5400 DVD±RW	Intel 2200	Graphite gray		Win8 64	11/12
59350984	i5-3210M	2.50	3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345246	i5-3210M	2.50	3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	1TB	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345254	i5-3210M	2.50	3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	750G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59352501	i5-3210M	2.50	3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	750G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345242	i7-3520M	2.90	3.60	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345245	i7-3520M	2.90	3.60	4+2GB	15.6" HD	LED	720p	Intel HD 4000	750G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345249	i7-3520M	2.90	3.60	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59358459	i5-3230M	2.60	3.20	4+2GB	15.6" HD	LED	720p	Intel HD 4000	1TB	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	03/13

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3520M processor (2 cores / 4 threads, 2.90 GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Windows® 8 64-bit <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • Intel AppUp® • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)	
Case color	Graphite gray, enamel white, or cherry red top, black bottom	
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS	<p><i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p>
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200	
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Z580 (2151) - Integrated (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz (GHz)	Memory	Widescreen or display	CCFL or LED	Cam-era	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2151-37U	i3-2370M	2.40	4+2GB	15.6" HD	LED	720p	Intel HD 3000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-4AU	i3-2370M	2.40	4+2GB	15.6" HD	LED	720p	Intel HD 3000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-4CU	i5-2450M	2.50 3.10	4+2GB	15.6" HD	LED	720p	Intel HD 3000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-3JU	i7-3612QM	2.10 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	750G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-4EU	i7-3612QM	2.10 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	Blu-ray	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-4FU	i7-3612QM	2.10 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-35U	i3-3110M	2.40	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 7200	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12
2151-3LU	i5-3210M	2.50 3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 7200	DVD±RW	Intel 2200	Cherry red	BT	Prem 64	08/12
2151-3FU	i5-3210M	2.50 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	750G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12
2151-4DU	i5-3210M	2.50 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12

- 15.6" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p>Widescreen flexibility; two-spindle</p> <p>Intel® Core™ i3-2370M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000</p> <p>Intel Core i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 3000</p> <p>Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3612QM processor (4 cores / 8 threads, 2.10 GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Diskette drive	None	
SATA optical	<p>Some: DVD burner, dual-layer support, 12.7mm high, tray-in</p> <p>Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in</p>	
SATA disk	<p>500GB (5400 rpm), 500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high</p>	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<p>Aluminium top (WxDxH): 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm</p> <p>PC/ABS top (WxDxH): 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm</p> <p>with optical drive and battery: 6-cell: 5.84 lb (2.65 kg)</p>	
Weight ²		
Case color	Graphite gray, enamel white, or cherry red top, black bottom	
Case material	<p>Top: Aluminium (gray models) or PC/ABS (white or red models);</p> <p>Bottom: PC/ABS</p>	<p><i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p>
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200	
Bluetooth™	Bluetooth wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIQR2-1) August 2012

IdeaPad™ Z580 (Integrated) - Windows 8 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model / Part number	Pro-processor	Max turbo GHz (GHz)	Memory	Widescreen or display	CCFL or LED	Cam-era	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
2151-63U	i3-3110M	2.40	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
2151-64U	i3-3110M	2.40	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Enamel white	BT4.0	Win8 64	11/12
2151-67U	i5-3210M	2.50 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
2151-68U	i7-3520M	2.90 3.60	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
2151-6HU	i7-3632QM	2.20 3.20	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
2151-65U	i5-3210M	2.50 3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	12/12
59365428	i7-3632QM	2.20 3.20	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	Blu-ray	Intel 2200	Graphite gray	BT4.0	Win8 64	01/13
59371483	i5-3230M	2.60 3.20	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	03/13
59345246	i5-3210M	2.50 3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	04/13
59371490	i5-3230M	2.60 3.20	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	06/13

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Windows® 8 64-bit <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (DVD±RW models, Blu-ray models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Diskette drive	None	
SATA optical	<p><i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in</p> <p><i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in</p>	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)	
Weight ²	Graphite gray, enamel white, or cherry red top, black bottom	
Case color	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS	
Case material	Lithium Ion 6-cell, 48Wh	
Battery - type	<i>Integrated models:</i> up to 6 hr	
Battery - life ¹⁰		
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 2200 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200	
Bluetooth™	Bluetooth 4.0 wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		<p><i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p> <p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Z580 (2151) - Integrated (Linpus) - web only models - withdrawn Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Preload	Avail date (mm/yy)
2151-34U	i3-3110M	2.40	None	4GBx1	15.6" HD	LED 720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Linpus	08/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000										Preloaded operating system²⁰ - Linpus™ Linux			
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) Entertainment and browser			
Diskette drive	None										• Mozilla Firefox 8			
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in										• Moive Player			
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high										• Webcam			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset										• Games			
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio										Social network and mail			
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator										• Empathy			
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector										• Evolution			
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key										Productivity			
Numeric keypad	Numeric keypad on right of keyboard										• LibreOffice.org 3.4			
Touch controls	Touch-sensitive buttons for mute, volume up, volume down										• Adobe Reader			
Light sensor	None										System tool and others			
Touch pad	One-piece touch pad										• Linpus online update			
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)										• Launch Manager			
Weight ²											• Network Manager			
Case color	Graphite gray, enamel white, or cherry red top, black bottom										• System Monitor			
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS										• System Setting			
Battery - type	Lithium Ion 6-cell, 48Wh										<i>Integrated models:</i> 65-watt AC adapter RoHS-compliant			
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr													
Chipset	Mobile Intel HM76 Express Chipset										Limited Warranty¹² ⇒ 1-year warranty ⇒ Mail In repair service ⇒ Service upgrade options⁵⁸ (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
ExpressCard/34	None													
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	One PCIe Mini Card slot													
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200													
Bluetooth™	Bluetooth wireless													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)													
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Z580 (2151) - Discrete - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2151-2MU	i5-3210M	2.50	3.10 4+2GB	15.6" HD	LED	720p	GT 630M 1G	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	10/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64			
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)			
Diskette drive	None										Discrete models: 90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant			
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in													
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high													
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset													
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator													
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 630M Graphics , PCI Express® x16, 1GB DDR3, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector													
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key													
Numeric keypad	Numeric keypad on right of keyboard													
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control													
Light sensor	None													
Touch pad	One-piece touch pad, supports multi-touch													
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm										Limited Warranty¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)													
Case color	Graphite gray, enamel white, or cherry red top, black bottom													
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS													
Battery - type	Lithium Ion 6-cell, 48Wh													
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr													
Chipset	Mobile Intel HM76 Express Chipset													
ExpressCard/34	None													
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	One PCIe Mini Card slot													
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200													
Bluetooth™	Bluetooth wireless													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)													
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIQR2-4) October 2012

IdeaPad™ Z580 (Discrete) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59347636	i5-3210M	2.50	3.10	4+2GB	15.6" HD	LED	720p	GT 635M 1G	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000											Preloaded operating system²⁰ - Windows® 8 64-bit	
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller											Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps	
Diskette drive	None											<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp⁹ - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype 	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in												
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high												
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset												
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator												
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 635M Graphics , PCI Express® x16, 1GB DDR3, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector												
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key												
Numeric keypad	Numeric keypad on right of keyboard												
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control												
Light sensor	None												
Touch pad	One-piece touch pad, supports multi-touch												
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm											<i>Discrete models:</i> 90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)												
Case color	Graphite gray, enamel white, or cherry red top, black bottom												
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS												
Battery - type	Lithium Ion 6-cell, 48Wh											Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr												
Chipset	Mobile Intel HM76 Express Chipset												
ExpressCard/34	None												
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)												
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
TV tuner	None												
PCIe Mini Card	One PCIe Mini Card slot												
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200												
Bluetooth™	Bluetooth wireless												
Modem	None												
Ethernet	10/100M ethernet, Realtek® RTL8105E												
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)												
Security	Power on password, Hard disk password, administrator password, security lockhole												
Fingerprint reader	None												

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIQR2-6) November 2012

IdeaPad™ Z585 (2617) - Integrated - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Max turbo GHz	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2617-24U	A6-4400M	2.70	3.20 4GBx1	15.6" HD	LED	720p	HD 7520G	500G 5400	DVD±RW	11b/g/n ²⁸	Graphite gray		Prem 64	10/12
2617-28U	A8-4500M	1.90	2.80 4+2GB	15.6" HD	LED	720p	HD 7640G	750G 5400	DVD±RW	11b/g/n	Graphite gray	BT	Prem 64	10/12
2617-29U	A10-4600M	2.30	3.20 4+2GB	15.6" HD	LED	720p	HD 7660G	750G 5400	DVD±RW	11b/g/n	Graphite gray	BT	Prem 64	10/12

- 15.6" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A10-4600M (quad-core, 2.30GHz, 4MB L2 cache), integrated AMD Radeon HD 7660G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Windows Live Essentials • Intelligent Touchpad • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11 External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and thermal management	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)	
Case color	Graphite gray top, black bottom	
Case material	<i>Top:</i> Aluminium; <i>Bottom:</i> PC/ABS	
Battery - type	Lithium Ion 6-cell, 48Wh	<i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	AMD A70M FCH	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip, 1x1	
Bluetooth™	<i>Some:</i> Bluetooth wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Limited Warranty ¹² ↔ 1-year warranty ↔ Mail in repair service ↔ Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(FLMC2-1) October 2012

IdeaPad™ Z585 (Integrated) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59345307	A6-4400M	2.70	3.20	2GBx2	15.6" HD	LED	720p	HD 7520G	500G 5400	DVD±RW	11b/g/n ²⁸	Graphite gray		Win8 64	10/12
59345305	A8-4500M	1.90	2.80	4+2GB	15.6" HD	LED	720p	HD 7640G	750G 5400	DVD±RW	11b/g/n	Graphite gray	BT4.0	Win8 64	10/12
59345759	A10-4600M	2.30	3.20	4+2GB	15.6" HD	LED	720p	HD 7660G	1TB 5400	DVD±RW	11b/g/n	Graphite gray	BT4.0	Win8 64	10/12
59361463	A8-4500M	1.90	2.80	4+2GB	15.6" HD	LED	720p	HD 7640G	1TB 5400	DVD±RW	11b/g/n	Graphite gray	BT4.0	Win8 64	03/13

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A10-4600M (quad-core, 2.30GHz, 4MB L2 cache), integrated AMD Radeon HD 7660G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Windows® 8 64-bit <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (DVD±RW models, Blu-ray models) - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11 External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and thermal management	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)	
Case color	Graphite gray top, black bottom	
Case material	<i>Top:</i> Aluminium; <i>Bottom:</i> PC/ABS	
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	<p><i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p>
Chipset	AMD A70M FCH	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card adapter, Broadcom® or Atheros® chip, 1x1	
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↔ 1-year warranty ↔ Mail In repair service ↔ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo IdeaPad Z500 (Dark chocolate)



Lenovo IdeaPad Z500 (Dark chocolate)



Lenovo IdeaPad Z500 (Dark chocolate)



Lenovo IdeaPad Z500 (White)



Lenovo IdeaPad Z500 (Dark chocolate)



Lenovo IdeaPad Z500 (Dark chocolate)

IdeaPad™ Z500 (Integrated) - Windows 8 - withdrawn

Personal Systems Reference (PSREF)

Part number	Pro-cessor	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59361311	i5-3230M	4+2GB	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	03/13

- **15.6" widescreen with LED backlight**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000										Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Diskette drive	None										Integrated models: 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in										
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high										
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset										
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio										
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator										
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector										
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, with LED backlight on selected models										
Numeric keypad	Numeric keypad on right of keyboard										
Light sensor	None										
Touch pad	One-piece touch pad, supports multi-touch										
Dimensions ³	<i>(WxDxH):</i> 14.8" x 10.4" x 1.0"; 375mm x 263mm x 25.4mm										
Weight ²	with optical drive and battery: <i>4-cell:</i> 4.85 lb (2.2 kg)										
Case color	<i>Top:</i> dark chocolate or white; <i>bottom:</i> color matches top color										
Case material	<i>Top and bottom:</i> PC/ABS										
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh										
Battery - life ¹⁰	up to 5 hr										
Chipset	Mobile Intel HM76 Express Chipset										
ExpressCard/34	None										
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)										
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)										
TV tuner	None										
PCIe Mini Card	Two PCIe Mini Card slots										
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter										
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										
Modem	None										
Ethernet	10/100M ethernet, Realtek® RTL8105E										
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)										
Security	Power on password, Hard disk password, administrator password, security lockhole										
Fingerprint reader	None										

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LATR1-2) March 2013

IdeaPad™ Z500 (Integrated) - Windows 8 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
5931-22U	i3-3110M	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	12/12
5931-24U	i5-3210M	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	12/12
5931-26U	i5-3210M	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	12/12
5931-27U	i7-3520M	8GBx1	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	12/12

- **15.6" widescreen with LED backlight**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000 Intel Core i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Xent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>(WxDxH):</i> 14.8" x 10.4" x 1.0"; 375mm x 263mm x 25.4mm	
Weight ²	with optical drive and battery: <i>4-cell:</i> 4.85 lb (2.2 kg)	
Case color	<i>Top:</i> dark chocolate or white; <i>bottom:</i> color matches top color	
Case material	<i>Top and bottom:</i> PC/ABS	
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh	
Battery - life ¹⁰	up to 5 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)	
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	Limited Warranty¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / microphone, microphone input / headphone combo jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Z500 Touch (Integrated) - Windows 8 (web only) - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59372434	i3-3120M	4GBx1	15.6" HD LED	10-Point	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	04/13
59372433	i5-3230M	8GBx1	15.6" HD LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	04/13
59361813	i7-3520M	4GBx2	15.6" HD LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	05/13

- **15.6" widescreen with LED backlight**
- **Enjoy greater accuracy with the 10-point multi-touch display optimized for the new Windows 8 interface**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3-3120M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000 Intel Core i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee [®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Xent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp [®] - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color , anti-glare, LED backlight , 200 nits, 16:9 aspect ratio, 400:1 contrast ratio	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, GFF Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	(WxDxH): 14.8" x 10.4" x 1.1"; 375mm x 263mm x 28.75mm	
Weight ²	with optical drive and battery: <i>4-cell</i> : 5.73 lb (2.6 kg)	
Case color	<i>Top</i> : dark chocolate; <i>bottom</i> : color matches top color	
Case material	<i>Top and bottom</i> : PC/ABS	
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh	
Battery - life ¹⁰	up to 5 hr	
Chipset	Mobile Intel HM76 Express Chipset	<i>Integrated models:</i> 65-watt AC adapter EPEAT [™] Gold rating ENERGY STAR [®] qualified RoHS-compliant
ExpressCard/34	None	
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)	
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth [™]	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100M ethernet, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, RealTek [®] ALC269Q-VC codec / Dolby [®] Home Theater [®] v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Limited Warranty¹² ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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IdeaPad™ Z500 Touch (NVIDIA) - Windows 8 (web only) - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59361820	i7-3632QM	4GBx2	15.6" HD LED	10-Point	720p	GT 740M 2G	1TB 5400	BD burner	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	05/13

- **15.6" widescreen with LED backlight**
- **Enjoy greater accuracy with the 10-point multi-touch display optimized for the new Windows 8 interface**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • Intel AppUp® • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	Blu-ray™ burner, Blu-ray and DVD disk recordable, 9.5mm, tray-in	
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color , anti-glare, LED backlight , 200 nits, 16:9 aspect ratio, 400:1 contrast ratio	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, GFF Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 740M Graphics , PCI Express® x16, 2GB DDR3, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	(<i>WxDxH</i>): 14.8" x 10.4" x 1.1"; 375mm x 263mm x 28.75mm	
Weight ²	with optical drive and battery: <i>4-cell</i> : 5.73 lb (2.6 kg)	
Case color	<i>Top</i> : dark chocolate; <i>bottom</i> : color matches top color	
Case material	<i>Top and bottom</i> : PC/ABS	
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh	
Battery - life ¹⁰	up to 5 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)	
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
	<i>Discrete models:</i> 90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant	
	Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo Video Docking VDK8726 (57Y6576)



Lenovo Portable DVD Burner DB50 (57Y6487)



Lenovo Wireless Keyboard N5901 (57Y6336)



Wireless Mouse N3903A Metal (57Y6596)
Wireless Mouse N3903A Coffee (57Y6666)



Lenovo Speaker M0520 Black (57Y6360)
Lenovo Speaker M0520 Red (57Y6361)



Lenovo Headset P950 (57Y6605)



Lenovo 15' Backpack B5650 (57Y6457)



IdeaPad T150 TopLoader (55Y9397)

**Partial list of accessories supported on:
IdeaPad S, U, Y, V, and Z series notebooks****Memory (See compatibility matrix on O-IPCM)**

2G PC2-5300 DDR2 SODIMM Memory	57Y6301
1G PC3-8500 DDR3 SODIMM Memory	57Y6509
2G PC3-8500 DDR3 SODIMM Memory	57Y6511
2G PC3-10600 DDR3 SODIMM Memory	57Y6582

Storage and removable storage

Lenovo Portable DVD Burner DB50 (black)	57Y6487
Lenovo Portable DVD Burner DB50 (white)	57Y6488

Expansion

Lenovo Notebook Stand S1801A (black)	57Y6484
Lenovo Video Docking VDK8726	57Y6576

Keyboard

Lenovo Wired Keyboard K4803A (black)	57Y6566
Lenovo Mini Wireless Keyboard N5901A ⁵²	57Y6599 <i>ann 10/26/10</i>
Lenovo Mini Wireless Keyboard N5901 ⁵² (blk)	57Y6336 <i>ann 12/08/09</i>

⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.

Mouse

Lenovo Optical Mouse A6010 (red)	57Y6483
Lenovo Optical Mouse A6010 (black)	57Y6255
Lenovo Mini Optical Mouse S10B (white)	55Y9358
Bluetooth Laser Mice N6901A (glossy black)	57Y6482
Lenovo Wireless Mouse N30B (black)	55Y9360
Wireless Mouse N3903A (metal)	57Y6596
Wireless Mouse N3903A (coffee)	57Y6666 <i>ann 01/25/11</i>
Wireless Mouse N3902A (black)	57Y6574
Wireless Mouse N3902A (red)	57Y6673 <i>ann 01/25/11</i>

Multimedia

Lenovo Headset P550	55Y2065
Lenovo Headset P950 (black)	57Y6605 <i>ann 02/08/11</i>
Lenovo mini speaker M220	55Y2033
Lenovo speaker M0520 (black)	57Y6360 <i>ann 02/08/11</i>
Lenovo speaker M0520 (red)	57Y6361 <i>ann 02/08/11</i>

Batteries

IdeaPad S9/S10/S12 Li-Ion Battery 6-cell (b)	45K2178 <i>ann 12/16/08</i>
IdeaPad S9/S10/S12 Li-Ion Battery 6-cell (w)	45K2177 <i>ann 12/16/08</i>
IdeaPad S9/S10 Li-Ion Battery 6-cell (black)	57Y6346 <i>ann 03/22/11</i>
IdeaPad S10-2 Li-Ion Battery 6-cell (black)	55Y9382
IdeaPad S10-2 Li-Ion Battery 6-cell (white)	55Y9383
IdeaPad S10-3t Li-Ion Battery 8-cell (black)	57Y6452
IdeaPad S10-3 Li-Ion Battery 6-cell (white)	57Y6448
IdeaPad S10-3 Li-Ion Battery 6-cell (black)	57Y6446
IdeaPad U150 Li-Ion Battery 6-cell (black)	57Y6354
IdeaPad U160 Li-Ion Battery 3-cell (black)	57Y6517 <i>ann 03/08/11</i>
IdeaPad U160 Li-Ion Battery 3-cell (red)	57Y6518 <i>ann 03/08/11</i>
IdeaPad U160 Li-Ion Battery 6-cell (black)	57Y6519 <i>ann 03/08/11</i>
IdeaPad U160 Li-Ion Battery 6-cell (red)	57Y6520 <i>ann 03/08/11</i>
IdeaPad U350 Li-Ion Battery 8-cell (black)	57Y6352
IdeaPad U350 Li-Ion Battery 4-cell (white)	57Y6265
IdeaPad U450P/U550 Li-Ion Battery 6-cell (b)	57Y6309
IdeaPad U460 Li-Ion Battery 8-cell (black)	57Y6521 <i>ann 03/08/11</i>
IdeaPad Y450/Y550 Li-Ion Battery 6-cell	55Y2054 <i>ann 04/07/09</i>
IdeaPad Y460/Y560 Li-Ion Battery 6-cell (blk)	57Y6440
G460/G560/V360/Z460/Z560 Li Battery 6-cell	57Y6454
IdeaPad Y650 Li-Ion Battery 6-cell	55Y2055 <i>ann 04/07/09</i>
IdeaPad U450 Li-Ion Battery 8-cell (black)	57Y6353
IdeaPad V460/B460 Li-Ion Battery 6-cell	57Y6528
IdeaPad U260 Li-Ion Battery 4-cell (black)	57Y6601
IdeaPad Z360 Li-Ion Battery 6-cell	57Y6527
IdeaPad Y510/Y530/Y710/Y730 Li Batt 6-cell	45J7706
IdeaPad Y430 Li-Ion Battery 6-cell	45K2221
IdeaPad U330 Li-Ion Battery 6-cell	55Y2019

Adapters (See compatibility matrix on O-IPCM)

IdeaPad S9/S10 40W AC Adapter (white)	45K2200 <i>ann 11/18/08</i>
IdeaPad S9/S10 40W AC Adapter (black)	45K2209 <i>ann 11/18/08</i>
Lenovo 30W AC Adapter (white)	57Y6430
Lenovo 30W AC Adapter (black)	57Y6415
Lenovo 40W AC Adapter 40A (white)	55Y9361
Lenovo 40W AC Adapter 40A (black)	55Y9370
Lenovo 65W AC Adapter 65A	57Y6400
Ideapad 65W AC Adapter	45K2225
Lenovo 90W AC Adapter 90A	57Y6385
Lenovo 90W AC Adapter	45J7717 <i>ann 08/12/08</i>
Lenovo 120W AC Adapter	57Y6549

Carrying Cases

IdeaPad 10" Sleeve S1616 (black)	57Y6456
Targus Eternity 10" Sleeve CS2600-8C	57Y6563
Ideapad 13" Sleeve S135 (pink)	57Y6320
Ideapad 13" Sleeve S135 (grey)	57Y6318
Ideapad 13" Sleeve S135 (black)	57Y6319
Ideapad 15" Backpack B450 (black-basic)	55Y2094
Lenovo 15" Backpack B5650	57Y6457
IdeaPad 15" TopLoader T150 (green)	55Y9397
IdeaPad 15" Messenger Case M150 (black)	55Y9380
Targus Eternity 15" Backpack CB2650	57Y6560
Targus Eternity 15" Toploader CT2650	57Y6562
Ideapad 16" TopLoader T360	55Y2100

For more information on accessories:

www.lenovo.com/accessories

Purchase Lenovo accessories

www.lenovo.com/support/accessories

Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide

Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com

An Options Compatibility Configurator for Lenovo systems

IdeaPad™ Accessories compatibility matrix

Personal Systems Reference (PSREF)

AC Adapter	30W AC Adapter white (57Y6430) black (57Y6415)	S9/S10 40W AC Adapter white (45K2200) black (45K2209)	40W AC Adapter 40A white (55Y9361) black (55Y9370)	65W AC Adapter 65A (57Y6400)	65W AC Adapter (45K2225)	90W AC Adapter 90A (57Y6385)	90W AC Adapter (45J7717)	120W AC Adapter (57Y6549)
S9		x*						
S10		x						
S10-2			x					
S10-3	x							
S10-3s	x							
S10-3t	x							
S10-3c	x							
S12			x					
U150		x						
U330 Integrated					x			
U330 Discrete							x	
U350 Integrated					x			
U350 Discrete							x	
U450 Integrated					x			
U450 Discrete							x	
U450P Integrated					x			
U450P Discrete							x	
U550 Integrated					x			
U550 Discrete							x	
U455 Integrated					x			
U455 Discrete							x	
U460				x				
U460s				x				
Y410 Integrated					x			
Y410 Discrete							x	
Y510 Integrated					x			
Y510 Discrete							x	
Y710 Integrated							x	
Y430 Integrated					x			
Y430 Discrete							x	
Y530 Integrated					x			
Y530 Discrete							x	
Y730 Integrated							x	
Y450 Integrated					x			
Y450 Discrete							x	
Y550 Integrated					x			
Y550 Discrete							x	
Y650 Integrated					x			
Y650 Discrete							x	
Y460 Integrated				x				
Y460 Discrete						x		
Y560 Integrated (except quad-core)				x				
Y560 Discrete (except quad-core)						x		
Y560 (quad-core)								x
Z360				x				
Z370 Integrated (dual-core)				x				
Z370 Discrete (dual-core) and Integrated (quad- core)						x		
Z370 Discrete (quad-core)								x
Z460				x				
Z560				x				
Z570 Integrated (dual-core)				x				
Z570 Discrete (dual-core) and Integrated (quad- core)						x		
Z570 Discrete (quad-core)								x
Z465 Integrated				x				
Z465 Discrete						x		
Z565 Integrated				x				
Z565 Discrete						x		
V360				x				
V460				x				
V560				x				

* Character "x": option supported on system

IdeaPad™ Accessories compatibility matrix

Personal Systems Reference (PSREF)

Memory	2G PC2-5300 DDR2 SODIMM Memory (57Y6301)	1G PC3-8500 DDR3 SODIMM Memory (57Y6509)	2G PC3-8500 DDR3 SODIMM Memory (57Y6511)	2G PC3-10600 DDR3 SODIMM Memory (57Y6582)
S10-2	x			
S10-3				x
S10-3s (DDR2)	x			
S10-3s (DDR3)				x
S10-3t				x
U460 / U460s		x	x	
Y530	x			
Y450		x	x	
Y460		x	x	
Y560		x	x	
V550	x			
V360		x	x	
V460		x	x	
Z360		x	x	
Z460 / Z465		x	x	
Z560 / Z565		x	x	

* Character "x": option supported on system

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

- ¹ Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
- ² **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
- ³ **Thinness** may vary at certain points on the system.
- ⁴ **Wireless capability:** Requires compatible wireless-enabled options sold separately.
- ⁵ **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.
- ⁶ **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- ⁷ **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

⁸ **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

⁹ **Service upgrade options:** Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees.

¹⁰ **Battery:** These model numbers achieved the battery life based on MobileMark® 2007 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

¹¹ **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

¹² **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

¹³ **Onsite Repair:** If a machine is listed as having "On-site", this means that on-site service is available for the replacement of parts for warranty repairs. Certain parts, referred to as Customer Replaceable Unit ("CRU") parts, are easy to install and require little or no tools or technical knowledge. Some examples of CRU parts are mice, keyboards, hard disk drives, speakers, and memory. If your problem can be resolved with a CRU, the Support Center will offer to ship the part to you for you to install.

¹⁴ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

¹⁵ **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

¹⁶ **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

¹⁸ **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary and may exclude some holidays.

¹⁹ **Depot repair service:** In the United States call 1-877-453-6686. The customer may be asked certain diagnostic questions before a courier is sent. Your purchase includes this depot repair service, available in the U.S. during the limited warranty period.

²⁰ **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

²¹ **For combination drives,** maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.

²² **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part can be express shipped to you for quick replacement. For notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.

²⁵ **Wireless WAN Cards:** Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.

²⁸ **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.



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Lenovo
1009 Think Place
Morrisville, NC 27560
U.S.A.

June 2013
ipbook.pdf