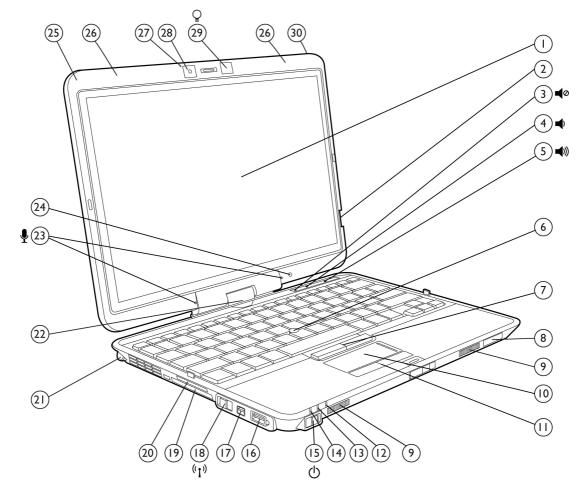
Overview

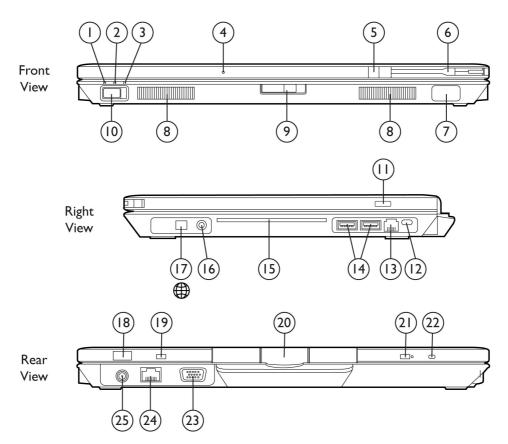


- 1. Touch screen
- 2. HP Fingerprint Sensor
- 3. Volume mute button with LED indicator
- 4. Volume down button with LED indicator
- 5. Volume up button with LED indicator
- 6. Pointstick
- 7. Pointstick buttons (2)
- 8. Bluetooth compartment
- 9. Stereo speakers
- 10. Touchpad with scroll zone
- 11. Touchpad buttons
- 12. Drive activity / HP 3D DriveGuard LED indicator
- 13. Battery charging LED indicator
- 14. Power/standby LED indicator
- 15. Power switch

- 16. USB 2.0 port (charging)
- 17. 1394a port
- 18. Wireless on/off with LED indicator
- 19. ExpressCard/34 slot
- 20. Secure Digital/MultiMediaCard slot
- 21. Pen holder
- 22. Convertible hinge
- 23. Dual-microphone array
- 24. Ambient light sensor
- 25. Internal WWAN antenna
- 26. Internal WLAN antennas (2)
- 27. Webcam LED indicator
- 28. 720p HD Webcam
- 29. HP Night Light
- 30. External WWAN antenna



Overview



- 1. Power/standby LED indicator
- 2. Battery charging LED indicator
- 3. Drive activity / HP 3D DriveGuard LED indicator
- 4. Webcam LED indicator
- 5. External WWAN antenna button
- 6. External WWAN antenna
- 7. Bluetooth compartment
- 8. Stereo speakers
- 9. Display release latch
- 10. Power switch
- 11. HP Fingerprint Sensor
- 12. Security lock slot
- 13. RJ-11/modem port

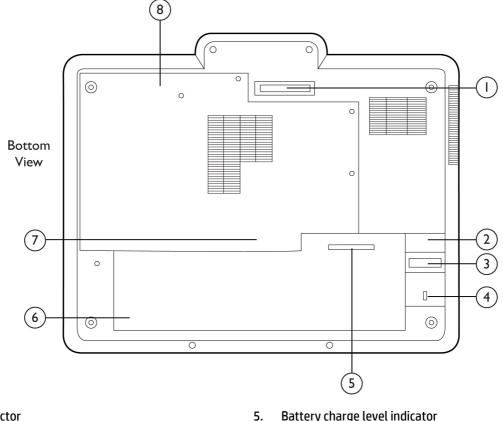
- 14. USB 2.0 ports (2)
- 15. Smart Card reader
- 16. Combo headphone/mic jack
- 17. QuickWeb button
- 18. Jog dial
 - 19. Esc button
 - 20. Convertible Hinge
 - 21. Rotate button
 - 22. Windows security button (ctl-alt-del)
 - 23. VGA/external monitor connector
 - 24. RJ-45/Ethernet port
 - 25. Power connector



HP EliteBook 2760p Tablet PC

QuickSpecs

Overview



- **Docking connector** 1. 2. Battery release latch
- 3. Secondary battery connector
- 4. Secondary battery connector door

- Battery charge level indicator
- 6. Battery bay
- 7. SIM card slot (select units, located inside battery bay)
- 8. Hard drive, memory, WLAN, WWAN module compartment

At A Glance

- Genuine Windows 7 versions or FreeDOS
- Convertible tablet design with the functionality of a business notebook plus the flexibility of a writing tablet with both pen and finger touch input
- 12.1-inch diagonal LED-backlit WXGA ultra wide-viewing angle display with chemically-strengthened glass top cover, pen digitizer, two finger multi-touch screen with gesture support, ambient light sensor, and optional Outdoor View panel
- Full magnesium alloy chassis, chemically-strengthened glass over display
- Designed to meet the military standard Mil-Std-810G for vibration, dust, altitude, and high temperature operation* •
- Spill-resistant keyboard with drains
- Choice of 2nd generation Intel[®] Core[™] i7 and i5 processors with Intel Turbo Boost Technology
- Intel Core i7 with vPro and Core i5 with vPro technology (optional) •
- Up to 320-GB 7200 rpm, user-removable hard drive protected by HP 3D DriveGuard, or up to 256 GB Solid State Drive
- Flexible wireless connectivity options:
 - Integrated HP hs2340 HSPA+ Mobile Broadband Module connects to both HSPA and HSPA+ (UMTS) networks and provides **GPS** functionality
 - Integrated HP un2430 EV-DO/HSPA Mobile Broadband Module (Gobi 3000) provides GPS functionality (availability expected May, 2011)
 - Integrated Intel Centrino[®] 802.11 a/b/g/n 2x2, or Broadcom 802.11 a/b/g/n 2x2 or b/g/n 1x1 wireless LAN module



Overview

- Bluetooth[®] v2.1+EDR
- HP Connection Manager
- New HP 2740p Ultra-Slim Expansion Base with DisplayPort and eSATA port
- Choice of standard 6-cell primary battery with fuel gauge or HP Long Life battery, plus optional external HP 2700 Ultra-Slim Battery
- SRS Premium Sound optimized for high fidelity audio
- Enhanced security features including HP ProtectTools, HP Fingerprint Sensor, TPM 1.2 Embedded Security Chip**, and integrated Smart Card Reader
- New central management software for HP ProtectTools to manage the secutiry of multiple notebooks from a single point
- HP QuickWeb for convenient online access without long boot-up times
- HP DayStarter for display of calendar information during Windows startup
- HP Power Assistant to conserve power, increase battery run-time, monitor power needs, and report workforce power consumption
- BFR/PVC-free***, ENERGY STAR qualified and EPEAT Gold registered in the U.S. EPEAT status varies by country- please see epeat.net.

* Testing was not intended to demonstrate fitness for DOD contracts requirements or for military use. Test results are not a guarantee of future performance under these test conditions.

** TPM module disabled where use is restricted by law; for example, Russia and China.

*** Meeting the industry definition of 'BFR/PVC-free' per the iNEMI Position Statement on "Low Halogen" Electronics. Plastic parts incorporated into the chassis generally contain < 1000 ppm (0.1%) of bromine or chlorine. Printed circuit board and substrate laminates generally contain < 1500 ppm (0.15%) of total bromine and chlorine. Service parts after purchase may not be BFR/PVC-free. External accessories, including power supplies, power cords, and peripherals as well as the following customer-configurable internal components: ATT SIM card are not BFR/PVC-free.



Standard Features

2 nd Generation Intel Core i7 Processors
Intel Core i7-2620M Processor (2.70 GHz, 4 MB L3 cache, 2 cores/4 threads, 35W)* Up to 3.40 GHz with Intel Turbo Boost Technology
2 nd Generation Intel Core i5 Processors
Intel Core i5-2540M Processor (2.60 GHz, 3 MB L3 cache, 2 cores/4 threads, 35W)* Up to 3.30 GHz with Intel Turbo Boost Technology
Intel Core i5-2520M Processor (2.50 GHz, 3 MB L3 cache, 2 cores/4 threads, 35W)* Up to 3.20 GHz with Intel Turbo Boost Technology
Intel Core i5-2410M Processor (2.30 GHz, 3 MB L3 cache, 2 cores/4 threads, 35W)* † Up to 2.90 GHz with Intel Turbo Boost Technology
* Intel's numbering is not a measurement of higher performance. † Not available with vPro.
NOTE: Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

Operating System	Preinstalled	Genuine Windows 7 Professional 32* Genuine Windows 7 Professional 64* Genuine Windows 7 Home Premium 32* Genuine Windows 7 Home Premium 64* FreeDOS	
	Supported	Genuine Windows 7 Enterprise 32* Genuine Windows 7 Enterprise 64* Genuine Windows 7 Ultimate 32* Genuine Windows 7 Ultimate 64* Genuine Windows Vista Enterprise 32** Genuine Windows Vista Enterprise 64** Genuine Windows Vista Business 32** Genuine Windows Vista Business 64** Genuine Windows XP Tablet Edition	
	Certified	SuSE Linux Enterprise Desktop 11	
	* System may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See: http://www.microsoft.com/windows/windows-7/ for details.		
	** Certain Windows Vista product features require advanced or additional hardware. See: http://www.microsoft.com/windowsvista/getready/hardwarereqs.mspx and http://www.microsoft.com/windowsvista/getready/capable.mspx for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit: http://www.windowsvista.com/upgradeadvisor.		
Chipset	Mobile Intel QM67	Express Chipset	

hp

Standard Features

Intel Core i5 with vPro/Core i7 with vPro technology capable	Intel Core i5 with vPro and Core i7 with vPro technology is a selectable feature that is available on units configured with select processors, an Intel Centrino® Advanced-N 6205 series WLAN module and a preinstalled Windows operating system. It provides advances in remote manageability, security, energy efficient performance, and wireless connectivity. Intel Active Management Technology 7.0 (AMT) offers built-in manageability and proactive security for networked notebook PCs, even when they are powered off* or when the operating system is inoperable. It can help identify threats before they reach the network, isolate infected systems, and update PCs regardless of their power state.		
		operating system, network hardware and software, connection with a power source, I) corporate network connection which is either cable or wireless LAN.	
	NOTE: Some functionality of Intel Core i5 with vPro/Core i7 with vPro technology, such as Intel Active Management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel Core i5 with vPro/Core i7 with vPro technology is dependent on 3rd party software providers. Compatibility with future "virtual appliances" is yet to be determined.		
Graphics	Intel HD Graphics 300 Microsoft DirectX 10	0 .1 (Shader 4.1) and OpenGL 3.0 capable	
Display	Internal	12.1-inch diagonal LED-backlit WXGA ultra wide viewing angle anti-glare (1280 x 800) Pen digitizer and multi-touch Optional Outdoor View* Ambient light sensor	
	External	Up to 32-bit per pixel color depth VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.	
	* Outdoor View is an option that provides enhanced viewing:		
	 Up to 235% inc 25% less specu 91% less diffus 	n front of screen display brightness with no loss of battery life crease in contrast, resulting in better viewability, at wide viewing angles ular reflections in bright light se reflections in bright light trast in bright sunlight	
	NOTE: This data is bas	sed on typical measurements by the display manufacturer. Actual measurements	

may vary from panel to panel.



	-		
Memory	Standard	DDR3 PC3-10600 SDRAM (1333 MHz) Two SODIMM slots supporting dual-channel memory 2 GB, 4 GB, and 8 GB SODIMMs	
	Maximum	Upgradeable to 16 GB with 8 GB SODIMMs in slots 1 and 2	
	Dual-channel	Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.	
	NOTE: Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed. Availability of 4 GB or more of memory requires Windows Vista Business 64-bit or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.		
Communications	Integrated Intel 82579LM (56K V.92 modem**	Sigabit* Network Connection	
	* The term "10/100/1000" Gigabit Ethernet, and does	or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for not connote actual operating speed of 1 Gb/s. For high-speed transmission, ernet server and network infrastructure is required.	
	** Designed for downloads from 56K modem compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Modem availability is subject to country regulatory approval.		
Wireless Devices	for the latest industry stan available in select countrie	of secure, integrated wireless LAN and wireless WAN options featuring support dards. Mobile Broadband (WWAN) requires a Windows operating system and is s as a standard, factory configurable feature or as an option to be added later. o available (factory configurable only) and can be combined with any of the d wireless WAN options.	
	Mobile Broadband options	Two 850/900/1575/1700/1800/1900/2100 MHz antennas integrated in the top of the display panel support current and future WWAN technologies. NOTE: Separately purchased mobile network operator service is required.	
	HP hs2340 HSPA+ Mobile Broadband Module	Integrated Mobile Broadband module that provides connectivity to both HSPA and HSPA+ (UMTS) networks. It also provides standalone, Internet and network assisted GPS functionality for various mapping applications and security applications such as Computrace Pro for HP ProtectTools.	
	HP un2430 EV-DO/HSPA Mobile Broadband Module (availability expected May, 2011)	Integrated Mobile Broadband module with Gobi global mobile Internet technology that provides connectivity to both CDMA (EVDO) and UMTS (HSPA) networks. It also provides GPS functionality for various mapping applications and security applications such as Computrace LoJack Pro Premium for HP ProtectTools.	
	All 802.11 integrated wireless LAN options	Wi-Fi Certified* Cisco Compatible Extensions support Wired Equivalent Privacy (WEP) support up to 128-bit keys Wi-Fi Protected Access (WPA) and WPA2 support 802.1x authentication support, including EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, and LEAP Advanced Encryption Standard (AES) support Dual antennas integrated in the display enclosure	



	Intel Centrino Advanced- N 6205 (2x2)	Integrated support for 802.11a, b, g, and n* 2 transmit, 2 receive antennas Up to 300 mbps data rate
	Broadcom 43224AGN 802.11a/b/g/n WiFi Adapter	Integrated support for 802.11 a, b, g, and n 2 transmit, 2 receive antennas Up to 300 mbps data rate
	Broadcom 4313GN 802.11b/g/n WiFi Adapter	Integrated support for 802.11 b, g, and n 1 transmit, 1 receive antenna Up to 72 mbps data rate
	HP Integrated Module with Bluetooth 2.1+EDR Wireless Technology	Bluetooth Specification v2.1+EDR compliant Works with a wide range of Bluetooth devices
	* In countries where 802.1	1n is not allowed, this capability is not enabled (802.11a/b/g only).
Keyboard	The HP spill-resistant keyboard is designed using a thin layer of Mylar film under the keyboard and a drain system that funnels fluid through a hole in the bottom of the notebook. This minimizes the risk of damag to sensitive components underneath. The 101/102-key compatible keyboard features an industry standard, full-pitch key layout with desktop keyboard features, such as the isolated inverted-T cursor control keys, editing keys, both left and right control and alt keys, and 12 function keys. US and International key layouts are available. Other features include an integrated numeric keypad, hotkeys for instant access to power conservation, brightness, and other features, 19-mm x 19-mm key pitch (center- to-center spacing), 2.0-mm stroke, and comfort-dished keycaps. HP Night Light shines directly on keyboard for low-light conditions.	
Touch-sensitive controls	Touch-sensitive controls provide easy access to the following features: volume mute, volume down, volume up.	
Dual Pointing devices	Dual pointing (Touchpad w Digital Eraser Pen with tetl Multi-touch screen gesture	•



Storage	Hard Drives	250/320 GB 7200 rpm SMART SATA II Hard Drive 320 GB 7200 rpm SMART SATA II Self Encrypting Drive*		
	(2.5-inch)			
	NOTE: Hard drives are customer removable and will withstand multiple insertion/removal cycles. Up to 20 GB is reserved for the system recovery software. * Not available until after initial product introduction.			
	HP 3D DriveGuard	The hard drive is mounted to the notebook frame, reducing the transmission of shock away from the hard drive. Uses three-axis digital motion detection with intelligent sensitivity to help protect the hard drive during normal use from shock and vibration. The digital accelerometer temporarily halts all data transfer and parks the hard drive when abrupt motion is detected.		
	Solid State Drives (2.5-inch)	128/160/256 GB Solid State Drive		
	External Optical Drives	Via optional HP 2740p Ultra-Slim Expansion Base: 9.5mm DVD+/-RW SuperMulti Drive		
Expansion card slots	ExpressCard/34 slot	Supports ExpressCard/34		
	Integrated Smart Card Reader	Compatible with ISO 7816 compliant Smart Cards PC/SC interface support		
	Secure Digital/ MultiMediaCard slot	Supports SD (Secure Digital), MultiMediaCard		
Interfaces	ExpressCard/34 slot	Supports ExpressCard/34		
	Smart Card Reader	One		
	External monitor	One - VGA		
	1394a	One		
	Combo headphone/mic jack	One		
	Power connector	One		
	RJ-11/modem	One		
	RJ-45/Ethernet	One		
	USB 2.0	Three (including one charging port)		
	Docking connector	For HP 2740p Ultra-Slim Expansion Base		
	Secondary battery connector	For HP 2700 Ultra-Slim Battery		



Audio/Visual	SRS Premium Sound™ Integrated stereo speakers Integrated dual-microphone array Touch-sensitive controls for volume up, volume down, and mute Combo headphone/mic jack		
	Optional 720p HD webcam		
	 HD format (widescreen) Supports videoconferencing and still image capture High quality fixed focus lens Video capture at various resolutions up to 1280x720 resolution (720p) and up to 30fps M-JPEG compression supports higher frame rates for video capture and videoconferencing Improved low light sensitivity Improved dynamic range 		
Software	Preinstalled software with Windows operating system	HP Recovery Manager HP Support Assistant HP ProtectTools Security Manager HP ProtectTools for Central Management HP Hotkey Support HP QuickWeb HP Power Assistant HP Connection Manager 4.0 HP DayStarter Microsoft Office 2010 preloaded (purchase of a Product Key required to activate a full Office 2010 suite)* Norton Internet Security 2011** PDF Complete Special Edition*** Roxio Secure Burn (select models) Roxio MyDVD 10 SE (select models) HP Webcam Software (select models)	
	Additional software	Skype HP SoftPaq Download Manager	
		eloaded includes reduced functionality versions of Word and Excel. Purchase of tivate full Office 2010 suite available at participating resellers/retailers and	
	** Norton Internet Security live updates thereafter. Int	2011 includes 60 days of complimentary live updates; subscription required for ternet access required to receive updates. Edition 60 day trial; purchase license afterwards for full functionality.	
HP Recovery Manager	recovery of the factory pre	ows 7 include HP Recovery Manager. HP Recovery Manager enables fast installed image if the system becomes corrupted or if important system files p to 20 GB of the hard drive is reserved for the system recovery software.	



Standard Features

Security

Standard Features	HP ProtectTools Security N	Aanager (standard modules include)	
	 Credential Manager Computrace* Pro Device Access Mana Drive Encryption Face Recognition (w File Sanitizer Privacy Manager Embedded Security 	ger vebcam configurations only)	
	HP Fingerprint Sensor Integrated Smart Card Rea Enhanced Pre-Boot Securit HP SpareKey One-Step Logon TPM 1.2 Embedded Securit HP Disk Sanitizer Security lock slot Support for Intel AT***	ty (Multiuser / Multifactor)	
Optional Features	Computrace* Pro for HP ProtectTools with GPS Tracking	Subscription based security solution providing the ability to track, initiate physical recovery, conduct asset management, and perform remote data delete by utilizing GPS technology. GPS functionality requires HP Mobile Broadband Module.	
subscription with terms ra ** TPM module disabled v For more information on *** Intel AT security requi be activated and configur liability for lost or stolen	 * The Computrace agent is shipped turned off, and must be activated by customers when they purchase a subscription with terms ranging from one to five years. ** TPM module disabled where use is restricted by law, for example, Russia and China. For more information on HP security solutions refer to: http://www.hp.com/products/security. *** Intel AT security requires a separately purchased Absolute Computrace service subscription and must be activated and configured. Check with Absolute for availability in your country. Intel and HP assume no liability for lost or stolen data and/or systems or any other damages resulting therefrom. See http://www.intel.com/technology/anti-theft/ 		



HP ProtectTools Security Manager with Central Management	HP ProtectTools Security Manager is the security platform for business notebooks and desktops. The HP ProtectTools Security Manager is an extensible client security console that delivers enhanced security capabilities through add-on software modules. The ProtectTools modules are available on the hard drive (also downloadable from the web) and can be configured in Software Setup.		
	ProtectTools is manage	ally manageable with the capability to manage notebooks from a single point. HP ment ready out of the box, in partnership with Digital Persona. Features address omers expect from a centrally managed security solution such as user provisioning, dential revocation.	
	HP ProtectTools provide	es two separate management solutions, targeted at the enterprise and the SMB:	
	gives IT Managers biometrics or sma user forgets the p In addition, advar Digital Persona P similar to the Acti	ro AD: Designed for the enterprise customer. Integrates with Active Directory and a the ability to provision users, create login policies based on passwords, artcards. Management features also include remote credential recovery in case the bassword, loses the smartcard or cannot use the fingerprint reader for any reason. Inced auditing capabilities are also built in. Digital Persona Pro AD is available now. The Workgroup: Designed for the small business customer. Provides features ive Directory version, but for workgroups. Workgroup activation is built into HP d activation of up to 5 seats is completely free.	
	For more information or http://www.hp.com/pro	n Central Management for HP ProtectTools, refer to: ducts/security.	
Power Supply	External HP 65-watt Smart AC adapter Power cord included is 6-foot (1.8 meter). Total length including external AC adapter is 12 feet (3.66 meter). HP Fast Charge*		
	*HP Fast Charge recharg	jes your battery up to 90% within 90 minutes when the system is off. Fast Charge ptional HP 2700 Ultra-Slim Battery or the HP Long Life Battery.	
Battery	Primary Battery	HP 6-cell 44 WHr Li-Ion Primary Battery with fuel gauge LEDs HP Long Life 6-cell 39 WHr Li-Ion Primary Battery	
	Optional secondary battery	HP 2700 6-cell 46 WHr Ultra-Slim Battery	
Battery Life	HP 6-cell (44 WHr)	Up to 5 hours and 30 minutes	
	with optional Up to 12 hours and 30 minutes HP 2700 Ultra-Slim Battery		
	NOTE: Battery life will v use, wireless functional naturally decrease with	ary depending on the product model, configuration, loaded applications, features, ity and power management settings. The maximum capacity of the battery will time and usage. See MobileMark07 battery benchmark cts/mobilemark2007 for additional details.	
System Standby Time	Up to 1 week		



Standard Features	
Power Conservation	Supports enhanced Intel SpeedStep technology (allows Battery Optimized Mode, Maximum Performance Mode, or Automatic mode) Intel Display Power Saving technology Hibernation Standby ACPI compliance
Docking (optional)	HP 2740p Ultra-Slim Expansion Base with 9.5mm DVD+/-RW SuperMulti Drive
	This optional expansion base includes connectors for (3) USB 2.0 ports, eSATA port, DisplayPort, VGA, RJ- 45 Ethernet pass thru, Stereo microphone in, stereo headphone out, and DC-in.
	NOTE: Some HP Docking stations may not support every feature of some HP Notebook models. Please refer to the individual docking station documentation for specific information about supported features.
Service and Support	 HP Services offers limited 3-year, 1-year and 90-day warranty options depending on country; 1-year limited warranty on primary battery and digital eraser pen. On-site service and warranty upgrades are also available. HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: http://www.hp.com/hps/carepack. NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details. http://http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp.

Options

NOTE: Options/capabilities listed in the QuickSpecs represent those capabilities available through Base Units or Build to Order configurations. The various product features and capabilities will vary in terms of configurable vs. aftermarket options (AMOs). There may be options and capabilities available through CTO that are not available as AMOs.

Memory	HP 8 GB (DDR3 1333 MHz) SODIMM	QP013AA#xxx
	HP 2 GB PC3-12800 (DDR3 1600 MHz) SODIMM	Н2Р6ЗАА
	HP 4 GB PC3-12800 (DDR3 1600 MHz) SODIMM	H2P64AA
	HP 8 GB PC3-12800 (DDR3 1600 MHz) SODIMM	H2P65AA

NOTE: Full availability of 4 GB or more of memory requires Windows Vista Business 64-bit or Linux. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements. Due to system limitations, DDR3-1600 MHz memory will only be supported at DDR3-1333 MHz.

HP 250GB Pocket Media Drive	FE477AA
HP Mobile USB DVD	XQ543AA
HP Mobile USB DVDRW	BU516AA
HP 2740p Ultra-Slim Expansion Base	WA995AA#xxx
HP 2700 Ultra-Slim Battery	RX932AA
HP 6-Cell Li-Ion Primary Battery	AH547AA
HP 65W Smart AC Adapter	ED494AA#xxx
HP 65W Slim AC Adapter	AX727AA#xxx
HP 90W Slim AC Adapter	BT796AA#XXX
HP Basic Carrying Case	AJ078AA
HP Business Nylon Case	BP848AA
HP Notebook Combo Lock	AY475AA#xxx
HP Keyed Cable Lock	BV411AA
HP Tablet PC Tether/Eraser Pen	PL800A
HP USB Optical Travel Mouse	RH304AA
	HP Mobile USB DVDRW HP 2740p Ultra-Slim Expansion Base HP 2700 Ultra-Slim Battery HP 6-Cell Li-Ion Primary Battery HP 65W Smart AC Adapter HP 65W Slim AC Adapter HP 90W Slim AC Adapter HP 90W Slim AC Adapter HP Basic Carrying Case HP Business Nylon Case HP Notebook Combo Lock HP Keyed Cable Lock HP Tablet PC Tether/Eraser Pen



System Unit	Dimensions (HxWxD)	1.27 in x 11.42 in x 8.35 in 32.3 mm x 290 mm x 212 r	mm	
	Weight	Starting from 3.97 lb (1.8 k With optional HP 2700 Ultr		I lb (2.36 kg)
	* Weight is based on a cor	nfiguration using the 160 SSD	drive.	
	HP Ultra-Slim Battery Weight	1.24 lb (0.56 kg)		
		nding upon where on the tabl SD, 2 GB memory, 802.11 wire nents.		
	Stand-Alone Power	Nominal Operating Voltage	e 18.5 V	
	Requirements (AC Power)	Average Operating Power		Windows 7 (64-bit) 7.59 W
		Max Operating Power	< 65 W	7.55 W
	Temperature	Operating	32° to 95° F (0° to 35° (41° to 95° F (5° to 35° (
		Non-operating	-4° to 140° F (-20° to 6	
	Relative Humidity	Operating	10% to 90%, non-cond	
	-	Non-operating		8.7° C) maximum wet bulb
	Shock	Operating	125 G, 2 ms, half-sine	
		Non-operating	200 G, 2 ms, half-sine	
	Random Vibration	Operating	0.75 grms	
		Non-operating	1.50 grms	
	Altitude	Operating	-50 to 10,000 ft (-15.2	4 to 3,048 m)
	(unpressurized)	Non-operating	-50 to 40,000 ft (-15.2	4 to 12,192 m)
	Industry Standard	UL	Yes	
	Certifications	CSA	Yes	
		FCC Compliance	Yes	
		ENERGY STAR®	Select models*	
		EPEAT	Gold**	
		ICES	Yes	
		GS	Yes	
		Australia / NZ A-Tick Compliance	Yes	
		CCC	Yes	
		Japan VCCI Compliance	Yes	
		КСС	Yes	
		BSMI	Yes	
		CE Marking Compliance	Yes	
		BNCI or BELUS	Yes	



		CIT GOST	Yes Yes
		Saudi Arabian Compliance	Yes
		(ICCP)	
		SABS	Yes
		UKRSERTCOMPUTER	Yes
		EliteBook 2760p that are EN Y STAR on HP websites and	ERGY STAR qualified are identified as on www.energystar.gov.
	** EPEAT Gold Registered in status by country.	n U.S. EPEAT registration va	ries by country. See www.epeat.net for registratior
	NOTE: For accessibility info	ormation on HP products, ple	ease visit: http://www.hp.com/accessibility.
Audio	SRS Premium Sound		
Hardware	Implementation	IDT 92HD87 High Definitior	n CODEC
	Touch-Sensitive Volume Controls	Volume up, volume down, a	and mute
	Full Duplex	Yes	
	Microphone In	Stereo	
	Headphone/Line Out	Stereo	
	Integrated Microphone	Yes, dual digital microphon	e array when equipped with optional webcam
Audio Output Quality	Frequency Response	20 Hz – 20 kHz	
	Signal to Noise Ratio	>85 dB	
	Total Harmonic Distortion	0.01%	
	Noise Floor	–110 dB	
	Play/Record Sampling Rate(s)	8 kHz – 48kHz	
	DAC	16, 20 or 24-bit	
	ADC	16 or 20-bit	
Integrated Stereo	Power Rating	2 Watts	
Speakers	Impedance	4 Ohms	
Power			



Technical Specificatio	ins		
HP 65W Smart AC Adapter	Dimensions	4.17 x 1.85 x 1.1 in (10.6 x	4.7 x 2.8 cm)
	Weight	0.62 lb (280 g)	
	Input	100 to 240 VAC	
		Input Efficiency	87% min at 115 VAC
		Input frequency range	47 to 63 Hz
		Input AC current	1.7 A at 90 VAC, 0.85 A at 180 VAC
	Output	Output power	65W
		DC output	18.5V
		Hold-up time	5 msec at 115 VAC input
		Output current limit	<11A, Over voltage protection- 29V max automatic shutdown
	Connector	3 pin/grounded, mates wit	h interchangeable cords
	Environmental Design	Operating temperature	32° to 104° F (0° to 40° C)
		Non-operating (storage) temperature	-4° to 149° F (-20° to 65° C)
		Altitude	0 to 10,000 ft (0 to 3,048 m)
		Humidity	20% to 80%
		Storage Humidity	10% to 90%
	EMI and Safety Certifications	standards - IEC60950, EN6 C-UL-US, NORDICS, DENAN	with LVD and EMC directives; Worldwide safety 60950, UL60950, Class1, SELV; Agency approvals - I, EN55022 Class B, FCC Class B, CISPR22 Class B, over 200,000 hours at 25°C ambient condition.
HP Long Life 6-cell 39 WHr	Dimensions (H x W x L)	0.6 x 2.7 x 8.3 in (1.4 x 6.8	x 21.1 cm)
Lithium-Ion Primary	Weight (max)	0.64 lb (0.291 kg)	
battery	Cells/Type	6-cell Lithium-Ion	
	Energy	Watt-hour capacity	39 WHr
	Temperature	Operating (Charging)	32° to 113° F (0° to 45° C)
		Operating (Discharging)	14° to 140° F (–10° to 60° C)
		Non-operating	–4° to 140° F (–20° to 60° C)
	Battery Re-Charge Time	System in OFF mode or Standby	2.5 hours
		System ON	3 to 5 hours (depending on system power consumption)



6-Cell (44 WHr) Lithium-	Dimensions (H x W x L)	0.5 x 2.5 x 8.25 in (1.3 x 6.4	x 21.0 cm)
lon battery	Weight (max)	0.62 lb (0.282 kg)	
(0T06044)	Cells/Type	6-cell Lithium-Ion	
	Energy	Watt-hour capacity	44 WHr
	Temperature	Operating (Charging)	32° to 113° F (0° to 45° C)
		Operating (Discharging)	14° to 140° F (–10° to 60° C)
		Non-operating	–4° to 140° F (–20° to 60° C)
	Battery Re-Charge Time	System in OFF Mode or Standby	2.5 hours
		System ON	3 to 5 hours (depending on system power consumption)
		HP Fast Charge Technology	Charges the battery up to 90% within 90 minutes when system is OFF
	Fuel Gauge	When pressed, LEDs light in	ndicating level of charge remaining on battery
Displays			
12.1-inch LED-backlit			
	Active Area (W × H)	10.3 x 6.4 in (26.1 x 16.3 cm	n)
WXGA UWVA, anti-glare	Active Area (W × H) Diagonal Size	10.3 x 6.4 in (26.1 x 16.3 cm 12.1 in (30.7 cm)	1)
WXGA UWVA, anti-glare with Digitizer			1)
-	Diagonal Size	12.1 in (30.7 cm)	1)
_	Diagonal Size Surface Treatment	12.1 in (30.7 cm) Anti-glare	1)
_	Diagonal Size Surface Treatment Contrast Ratio	12.1 in (30.7 cm) Anti-glare 400:1 (typical)	1)
_	Diagonal Size Surface Treatment Contrast Ratio Refresh Rate	12.1 in (30.7 cm) Anti-glare 400:1 (typical) 60 Hz	ı) 0.204 mm
_	Diagonal Size Surface Treatment Contrast Ratio Refresh Rate Brightness	12.1 in (30.7 cm) Anti-glare 400:1 (typical) 60 Hz 200 nit (typical)	
_	Diagonal Size Surface Treatment Contrast Ratio Refresh Rate Brightness	12.1 in (30.7 cm) Anti-glare 400:1 (typical) 60 Hz 200 nit (typical) Pitch	0.204 mm
_	Diagonal Size Surface Treatment Contrast Ratio Refresh Rate Brightness	12.1 in (30.7 cm) Anti-glare 400:1 (typical) 60 Hz 200 nit (typical) Pitch Format	0.204 mm 1280 x 800
_	Diagonal Size Surface Treatment Contrast Ratio Refresh Rate Brightness Pixel Resolution	12.1 in (30.7 cm) Anti-glare 400:1 (typical) 60 Hz 200 nit (typical) Pitch Format Configuration	0.204 mm 1280 x 800



Technical Specifications

12.1-inch LED-backlit	Active Area (W × H)	10.3 x 6.4 in (26.1 x 16.3 c	m)
WXGA UWVA. anti-glare	Diagonal Size	12.1 in (30.7 cm)	
with Digitizer and Outdoor View	Surface Treatment	Anti-glare	
	Contrast Ratio	400:1 (typical)	
	Refresh Rate	60 Hz	
	Brightness	200 nit (typical)	
	Pixel Resolution	Pitch	0.204 mm
		Format	1280 x 800
		Configuration	RGB Stripe
	Backlight	LED	
	PPI	125	
	Viewing Angle	±75° Horizontal, ±75° Vert ±80° Horizontal, ±80° Vert	

Internal Storage

320 GB 7200 rpm SATA	Drive Weight	0.25 lbs (115 g)	
Hard Drive	Capacity	320 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-8, SATA 2.6, 3.0 Gb/s,	NCQ
	Transfer Rate	Synchronous (maximum)	300 MB/s (Drive Capability)
	Seek Time	Single Track	1.5 ms
	(typical reads, including	Average	11 ms
	settling)	Maximum	22 ms
	Rotational Speed	7200 rpm	
	Logical Blocks	625,142,448	
	Operating Temperature	32° to 140° F (0° to 60° C) [case temp]
	Features	ATA Security	



Technical	Specifications
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250 GB 7200 rpm SATA	Drive Weight	0.25 lbs (115g)	
Hard Drive	Capacity	250 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-8, SATA 2.6, 3.0 Gb/s	, NCQ
	Transfer Rate	Synchronous (maximum)	300 MB/s (Drive Capability)
	Seek Time	Single Track	1.5 ms
	(typical reads, including	Average	11 ms
	settling)	Maximum	22 ms
	Rotational Speed	7200 rpm	
	Logical Blocks	488,397,168	
	Operating Temperature	32° to 140° F (0° to 60° C)	[case temp]
	Features	ATA Security	
256 GB 2.5-inch SATA	Drive Weight	73 Grams (max)	
Solid State Drive	Capacity	256 GB	
	Height	0.276 in (7 mm)	
	Width	2.76 in (70 mm)	
	Interface	SATA Gen 2	
	Performance	Maximum Sequential Rea	ad Maximum Sequential Write
		Up to 265 MB/s	Up to 220 MB/s
	Logical Blocks	500,118,192	
	Operating Temperature	32° to 158°F (0° to 70°C) [case temp]
	Features	ATA Security; ATA-7 comp	liant; SATA 2.6; DIPM; TRIM
160 GB 2.5-inch SATA	Drive Weight	78 Grams	
Solid State Drive	Capacity	160 GB	
	Height	0.276 in (7 mm)	
	Width	2.76 in (70 mm)	
	Interface	SATA Gen 2	
	Performance	Maximum Sequential Rea	ad Maximum Sequential Write
		250 MB/s	100 MB/s
	Logical Blocks	312,581,808	
	Operating Temperature	32° to 158°F (0° to 70°C) [0	case temp]
	Features	ATA Security; ATA-7; SATA	2.6; DIPM; TRIM



Technical Specifications

128 GB 2.5-inch SATA	Drive Weight	75 Grams	
Solid State Drive	Capacity	128 GB	
	Height	0.276 in (7 mm)	
	Width	2.76 in (70 mm)	
	Interface	SATA Gen 2	
	Performance	Maximum Sequential Read	Maximum Sequential Write
		250 MB/s	140 MB/s
	Logical Blocks	250,069,680	
	Operating Temperature	32° to 158°F (0° to 70°C) [case temp]	
	Features	ATA Security; ATA-7; SATA 2.6; DIPM; T	RIM

Security

HP Fingerprint Sensor	Mobile Voltage Operation Operating Temperature	3.0V-3.6V Single Supply 32° - 158°F (0° - 70°C)
	Current Consumption @ 3.3V	Less than 70 mA peak imaging and scrolling Less than 25 mA hardware finger detection Advanced Power Management
	High-Rate Image Capture	Up to 240 image frames /sec
	ESD Resistance	IEC 61000-4-2 Level 4 (±15KV)
	Detection Matrix	192 x 16 Pixels 9.7 mm x 0.81 mm 500 ppi High-Resolution Images

Communications



Intel® 82579LM Gigabit Network Connection	Ethernet Features Power	10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30) 1000 Mbti/s operation (1000BASE-T; IEEE 802.3ab; IEEE 8023. Clauses 40) Auto-Negotiation (Automatic Speed Selection) Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100 Mbit/s IEEE 802.1p QoS (Quality of Service) Support IEEE 802.1q VLAN support IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable) IEEE 802.3az EEE(Energy Efficient Ethernet) Jumbo Frame 9K Auto MDI/MDIX Crossover cable detection ACPI compliant - multiple power modes
	Management	Energy Detect Low Power Mode(Green Ethernet)
	Performance Features	TCP/IP/UDP Checksum Offload (configurable) Protocol Offload(ARP & NS) Large send offload and Giant send offload Receiving Side Scaling MACSec Offload (802.3ae) Intel vPro iSCSI Boot
	Manageability	Wake-on-LAN from standby and hibernation (Magic Packet and Microsoft Wake-Up Frame); Wake-on-LAN from off (Magic Packet only) PXE 2.1 Remote Boot Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30)) Comprehensive diagnostic and configuration software suite Virtual Cable Doctor for Ethernet cable status
	Interface	PCI Express 1.1 x1 to fully support ASPM LOs/L1 and CLKREQ. NOTE: Intel 82579 PCIe interface is not PCIe compliant. It operates at half of PCIe specification V1.1 (2.5GT/S) speed.
	NIC Device Driver Name	Intel 82579LM/82579V Ethernet Network Connection

V.92 56K Data/Fax Modem Form Factor MDC 1.5 Daughtercard Power Management Support APM Revision 1.2, ACPI Approvals/ Certifications UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 1 B, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Oth Countries Data Mode Capabilities V.92 data V.80 V.80 V.42 (LAPM, MNP2-4) (Error Correction) Optional symbol rates: 2800, 3429 Asymmetric Symbol rates Synchronous primary channel data signaling rates:
SupportApprovals/UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 1CertificationsB, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Oth CountriesData Mode CapabilitiesV.92 dataV.8bisV.80V.80V44, V.42bis, MNP5 (Compression)V.42 (LAPM, MNP2-4) (Error Correction)Optional symbol rates: 2800, 3429 Asymmetric Symbol ratesSynchronous primary channel data signaling rates:
CertificationsB, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Oth CountriesData Mode CapabilitiesV.92 dataV.8bisV.80V44, V.42bis, MNP5 (Compression)V.42 (LAPM, MNP2-4) (Error Correction)Optional symbol rates: 2800, 3429 Asymmetric Symbol ratesSynchronous primary channel data signaling rates:
V.8bis V.80 V44, V.42bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction) Optional symbol rates : 2800, 3429 Asymmetric Symbol rates Synchronous primary channel data signaling rates :
V.80 V44, V.42bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction) Optional symbol rates : 2800, 3429 Asymmetric Symbol rates Synchronous primary channel data signaling rates :
V44, V.42bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction) Optional symbol rates : 2800, 3429 Asymmetric Symbol rates Synchronous primary channel data signaling rates :
V.42 (LAPM, MNP2-4) (Error Correction) Optional symbol rates : 2800, 3429 Asymmetric Symbol rates Synchronous primary channel data signaling rates :
Optional symbol rates : 2800, 3429 Asymmetric Symbol rates Synchronous primary channel data signaling rates :
2800, 3429 Asymmetric Symbol rates Synchronous primary channel data signaling rates :
3600, 31200
Automatic rate re-negotiation
V.34
V.32bis V.32
V.23
V.22bis
V.22
V.21
Bell 212A
Bell 103J
Fax Mode Capabilities TIA/EIA-578-B (Class 1)
T.30, T.4 (Group 3) V.17
V.17 V.29
V.27ter
V.21 Channel 2
Command Set V.250 (Partial)
TIA-602
Identification: +GMI, +GMR
Port control: +IPR, +ICF, +IFC, +ILRR
Modulation: +MS, +MR, +MA Error control: +ES, +ER, +EB, +ESR, +ETBM
Data compression: +DS, +DR
V.251



Technical Specific	ations
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HP un2430 EV-DO/HSPA Mobile Broadband Module	Technology/Operating Bands	GSM/GPRS/EDGE: 850MHz(Cell), 900MHz(EGSM), 1800MHz(DCS), 1900MHz (PCS) UMTS/WCDMA with receive diversity: 2100MHz (UTRA FDD Band I), 1900MHz (UTRA FDD Band II), AWS (UTRA FDD Band IV), 900MHz(UTRA FDD Band VIII), 850MHz (UTRA FDD Band V) 1xEVD0/1xRTT with receive diversity: 850MHz (Band Class0-Cell), 1900MHz (Band Class1-PCS)
	Wireless Protocol Standards	GSM/GPRS/EDGE: Class A, Multi-slot class 10 operation, coding schemes CS1 - CS4 and MSC1 - MSC9. UMTS/WCDMA: Release 99 and Release 6 CDMA: 1xEVDO Release 0 and Release A, IS-95A, IS-95B, IS-856, IS-2000
	Wireless Parametric Standards	Meets or exceeds TIA/EIA IS-98-D
	Maximum Data Rates	UMTS (HSPA) - 14.4 Mbps (Download), 5.76Mbps (Upload) CDMA (EVDO Release A) - 3.1 Mbps (Download), 1.8Mbps (Upload)
	GPS	Standalone GPS enabled gpsOneXTRATM™
	GPS Bands	L1 - 1575.42 MHz
	Maximum Output Power	GSM/GPRS/EDGE: 32dBm (+/-1) WCDMA: 24dBm (+0.7/-2.3) CDMA: 24dBm (+0.7/-2)
	Maximum Power Consumption	2750mA (peak); 1100mA (average)
	Power Consumption, Idle Not Connected	20 mA
	Power Management	USB selective suspend Integrated notebook wireless button
	Antenna Type	Dual high efficiency 5 band antennae with spatial diversity, mounted in the display enclosure
	Form Factor	PCI-Express MiniCard, USB 2.0 interface
	Weight	11.5 g
	Dimensions (Length x Width x Thickness)	2.01 x 1.18 x 0.18 in (51 x 30 x 5 mm)
	Voltage, Operating	3.3v +/- 10%
	Temperature, Operating (from TIA/EIA/IS-98-D)	-22° to 158° F (-30° to 70° C) (full RF performance) -22° to 167° F (-30° to 75° C) (reduced RF performance)
	Temperature, Non- operating, 96 hours (from MIL-STD 202 Method 108)	-40° to 185° F (-40° to 85° C)
	Humidity, Non-operating	95% relative humidity for 48 hours @ 185° F (85° C) (non-condensing)
	Configuration Utilities	HP Connection Manager
	LED Activity	LED Off - Radio Off; Solid LED On - Radio On



recinical Specification	JIIS	
HP hs2340 HSPA+ Mobile Broadband Module	Technology/Operating Bands	GSM/GPRS/EDGE: 850MHz(Cell), 900MHz(EGSM), 1800MHz(DCS), 1900MHz (PCS) UMTS/WCDMA with receive diversity: 2100MHz (UTRA FDD Band I), 1900Mhz (UTRA FDD Band II), 900Mhz(UTRA FDD Band VIII), 850 MHz (UTRA FDD Band V)
	Wireless Protocol Standards	GSM/GPRS/EDGE: Class B, Multi-slot class 10 operation, coding schemes CS1 - CS4 and MSC1 - MSC9. UMTS/WCDMA: Release 99 and Release 7 Advanced Receiver Type 3i
	Wireless Parametric Standards	Complies with 3GPP specifications
	Maximum Data Rates	UMTS (HSPA) - 21 Mbps (Download), 5.76Mbps (Upload)
	GPS	Standalone, A-GPS (Internet- and Network assisted)
	GPS Bands	1575.42 MHz (± 1.023 MHz)
	Maximum Output Power	GSM/EDGE GSM850 & GSM900 bands GPRS: +33 dBm ± 2 dBm (class 4) EGPRS: +27 dBm ± 3 dBm (class E2)
		DCS1800 & PCS1900 bands GPRS: +30 dBm ± 2 dBm (class 1) EGPRS: +26 dBm +4 / -3 dBm (class E2)
		UMTS UTRA FDD Bands +24 dBm +4 / -3 dBm (class 3)
	Maximum Power Consumption	2000mA (peak); 600mA (average)
	Power Consumption, Sleep Mode	5 mA
	Power Management	USB selective suspend Integrated notebook wireless button
	Antenna Type	Dual high efficiency 5 band antennae with spatial diversity, mounted in the display enclosure
	Form Factor	PCI-Express MiniCard, USB 2.0 interface
	Weight	< 12 g
	Dimensions (Length x Width x Thickness)	2.01 x 1.18 x 0.18 in (51 x 30 x 5 mm)
	Voltage, Operating	3.3v +/- 9%
	Temperature, Operating	14° to 149° F (-10° to 65° C) (full RF performance) 14° to 167° F (-10° to 75° C) (reduced RF performance)
	Temperature, Non- operating, 96 hours (from MIL-STD 202 Method 108)	-22° to 185° F (-30° to 85° C)
	Humidity, Non-operating	85% relative humidity for 48 hours @ 185° F (85° C) (non-condensing)
	Configuration Utilities	HP Connection Manager

	LED Activity	LED Off - Radio Off; Solid LED On - Radio On
Intel Centrino Advanced-N 6205	l Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n*
		* In countries where 802.11n is not allowed, this capability is not enabled.
	Interoperability	Wi-Fi certified Cisco Compatible Extensions Program compliant with Microsoft Windows Vista and XP (details at: http://www.hp.com/go/notebooks/WLAN)
	Frequency Band	2.4 GHz and 5GHz
	Antenna Structure	2 transmit; 2 receive (2x2)
	Data Rates	802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: 66 possible data rates, ranging from 6 Mbps to 300 Mbps, depending on the combination of Bandwidth, Modulation Coding Scheme, and Guard Interval used, as defined in IEEE 802.11n specification
	Modulation	Direct Sequence Spread Spectrum DBPSK, DQPSK, CCK, OFDM, BPSK, QPSK, 16-QAM, 64-QAM
	Security ¹	Authentication: WPA and WPA2, 802.1x (EAP_TLS, TTLS, PEAP, LEAP, EAP- FAST)
		Authentication Protocols: PAP, CHAP, TLS, GTC, MS-CHAP, MS-CHAPv2
		Encryption: 64 and 128-bit WEP, AES-CCMP, CKIP, TKIP
		Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program Version 4) with Microsoft Windows Vista and XP only.
	Sub-channels	Multinational support with frequency bands and channels compliant to local regulations.
	Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
	Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
	Roaming	IEEE 802.11 compliant roaming between 2.4GHz band Access Points
	Output Power (for CCK and OFDM) ²	17 dBm max
	Power Consumption	Transmit: 2.3 Watts (max, with two spatial streams) Receive: 1 Watt (max with two spatial streams) Idle mode ³ : 35 mW (average) Radio off: 20 mW (max)
	Power Management	ACPI compliant power management 802.11 compliant power saving mode
	Receiver Sensitivity ⁴	54 Mbps: -76 dBm, 6 Mbps: -92 dBm

Technical Specifications

Antenna Connections	2 U.FL type connector	2 U.FL type connectors, 50 ohm nominal impedance	
Form Factor	PCI-Express Half-Min	iCard	
Weight	0.0075 lb (3.4 g)		
Dimensions	0.12 x 1.06 x 1.18 in (3.1 x 26.8 x 30.0 mm)	
Operating Voltage	3.3V +/- 9%		
Temperature	Operating Non-operating	32° to 176° F (0° to 80° C) -40° to 176° F (-40° to 80° C)	
Humidity	Operating Non-operating	10% to 90% (non-condensing) 5% to 90% (non-condensing)	
Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)	
LED Activity	LED Off - Radio OFF; S	LED Off - Radio OFF; Solid LED On - Radio ON	
 Maximum output p In Power Save Poll Receiver sensitivity 	ower may vary by count ing mode and on battery	t error rate of 8% for 802.11b (CCK modulation) and a	

5. WLAN supplier's client utility is required for Cisco Compatible Extensions support with Microsoft Windows XP. WLAN may also be compatible with certain third-party software supplicants. WLAN supplier IHV extensions required for Cisco Compatible Extensions support for Microsoft Windows Vista.

Broadcom 43224AGN 802.11a/b/g/n WiFi Adapter	Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n*
	Interoperability	Wi-Fi certified (802.11abg only) Cisco Compatible Extensions Program compliant (802.11abg only) with Microsoft Windows Vista and XP (details at: http://www.hp.com/go/notebooks/WLAN)
	Frequency Band	2.4 GHz and 5 GHz
	Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: 6, 6.5, 9, 12, 13, 13.5, 18, 19.5, 24, 26, 27, 36, 39, 40.5, 48, 52, 54, 58.5, 65, 78, 81, 104, 108, 117, 121.5, 130, 135, 162, 216, 243, 270, 300 Mbps
	Frequency Support	20 MHz: 2.4 GHz and 5 GHz bands 40 MHz: 2.4 GHz and 5 GHz bands
	Modulation	Direct Sequence Spread Spectrum DBPSK, DQPSK, CCK, OFDM, BPSK, QPSK, 16-QAM, 64-QAM
	Security ¹	Supports 64- and 128-bit WEP, WPA, WPA2, hardware-accelerated AES, 802.1x authentication types EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP, EAP-FAST.
		Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program Version 4) with Microsoft Windows Vista and XP only.



Technical Specifications

	Sub-channels	Multinational support with regulations.	n frequency bands and channels compliant to local
	Media Access Protocol	CSMA/CA (Collision Avoida	nnce) with ACK
	Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Poi	nt Required)
	Roaming	IEEE 802.11 compliant roa	aming between access points
	Output Power (for CCK) ²	17 dBm , nominal	
	Output Power (for OFDM; power varies by data rate) ²	15 dBm , nominal	
	Power Consumption	Idle associated: 250 mW Idle unassociated: 150 mV Transmit/Receive 20 MHz Transmit/Receive 40 MHz	channel: 2.0 W (max)
	Power Management	ACPI compliant power ma 802.11 compliant power s	-
	Receiver Sensitivity ³	270 Mbps: -61dBm, , 54 M	lbps: -72 dBm, 11 Mbps: -85 dBm , 1 Mbps: -92 dBm
	Antenna type	High efficiency dual band display enclosure	antenna with spatial diversity, mounted in the
	Form Factor	PCI-Express Half-MiniCard	1
	Weight	0.013 lb (6 g)	
Dimensions		0.19 x 1.06 x 1.18 in (4.75 x 26.8 x 30 mm)	
	Operating Voltage	3.3v +/- 10%	
	Temperature	Operating Non-operating	14° to 149° F (-10° to 65° C) -40° to 176° F (-40° to 80° C)
	Humidity	Operating Non-operating	10% to 90% (non-condensing) 5% to 95% (non-condensing)
	Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)
	LED Activity	LED Off - Radio OFF; Solid	LED On - Radio ON
	 Maximum output po Receiver sensitivity i packet error rate of WLAN supplier's clien Windows XP. WLAN r 	wer may vary by country ac is measured at a packet erro 10% for 802.11a/g (OFDM r nt utility is required for Cisc may also be compatible wit	es on supported security features. Ecording to local regulations. For rate of 8% for 802.11b (CCK modulation) and a modulation). Fo Compatible Extensions support with Microsoft th certain third-party software supplicants. WLAN motible Extensions support for Microsoft Windows
Broadcom 4313GN 802.11b/g/n WiFi Adapter	Wireless LAN Standards Interoperability		ons Program compliant with Microsoft Win7, Vista www.hp.com/go/notebooks/WLAN)



Technical Specifications

Frequency Band	2.4 GHz		
Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: 6.5, 7.2, 13, 14.4, 19.5, 21.7, 26, 28.9, 39, 43.3, 52, 57.8, 58.5, 65, 72.2Mbps		
Frequency Support	20 MHz: 2.4 GHz bands		
Modulation	Direct Sequence Spread Sp DBPSK, DQPSK, CCK, OFDM	ectrum , BPSK, QPSK, 16-QAM, 64-QAM	
Security ¹		VEP, WPA, WPA2, hardware-accelerated AES, es EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2,	
		Features (proven compatibility with Cisco Aironet ough the Cisco Compatible Extensions Program /indows Vista and XP only.	
Sub-channels	Multinational support with regulations.	frequency bands and channels compliant to local	
Media Access Protocol	CSMA/CA (Collision Avoidar	nce) with ACK	
Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)		
Roaming	IEEE 802.11 compliant roaming between access points		
Output Power (for CCK) ²	17 dBm , nominal		
Output Power (for OFDM; power varies by data rate)	15 dBm , nominal		
Power Consumption	Idle associated: 250 mW avg (CLKREQ enabled) Idle unassociated: 425 mW avg Transmit/Receive 20 MHz channel: 5.5 W (max)		
Power Management	ACPI compliant power management 802.11 compliant power saving mode		
Receiver Sensitivity ³	72.2 Mbps: -71dBm		
Antenna type	High efficiency dual band antenna with spatial diversity, usually mounted in the display enclosure		
Form Factor	PCI-Express Half-MiniCard		
Weight	0.013 lb (6 g)		
Dimensions	0.19 x 1.06 x 1.18 in (4.75 x 26.8 x 30 mm)		
Operating Voltage	3.3v +/- 10%		
Temperature	Operating Non-operating	14° to 149° F (-10° to 65° C) -40° to 176° F (-40° to 80° C)	
Humidity	Operating Non-operating	10% to 90% (non-condensing) 5% to 95% (non-condensing)	
Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)	
LED Activity	LED Off - Radio OFF; Solid LED On - Radio ON		
1. Check latest software/driver release for updates on supported security features.			



- 2. Maximum output power may vary by country according to local regulations.
- 3. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CCK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).
- 4. WLAN supplier's client utility is required for Cisco Compatible Extensions support with Microsoft Windows XP. WLAN may also be compatible with certain third-party software supplicants. WLAN supplier IHV extensions required for Cisco Compatible Extensions support for Microsoft Windows Vista and Win7.

HP Integrated Module with Bluetooth 2.1+EDR Wireless Technology	Bluetooth Specification	2.1+EDR Compliant		
	Dimensions	1.18 x 0.26 x 0.13 in (30 x 6.5 x 3.25 mm)		
	Frequency Band	2402 to 2480 MHz		
	Number of Available Channels	79 (1 MHz) available chanr	79 (1 MHz) available channels	
	Data Rates and	3 Mbps data rate; through	put up to 2.17 Mbps	
	Throughput	Synchronous Connection C	Driented links up to 3, 64 kbps, voice channels	
		Asynchronous Connection 1306.9 kbps symmetric	Less links 2178.1 kbps/177.1 kbps asymmetric or	
	Transmit Power	-6 dBm to 4 dBm (Bluetoo	th Class II)	
	Receiver Sensitivity	Better than -80 dBM at 0.1	l % raw bit error rate	
	Power Consumption	Peak (Tx) 264 mW		
		Peak (Rx) 231 mW		
		Sleep <1 mW		
	Antenna	Internally integrated within module		
	Range	Up 33 ft (10 m)		
	Electrical Interface	USB 2.0 compliant		
		Microsoft Windows Plug a	nd Play compliant	
	Bluetooth Software	Broadcom Bluetooth for W	Vindows	
	Supported	Microsoft Windows Blueto	ooth Software	
	Link Topology	Point to Point, Multipoint I	Pico Nets up to 7 slaves	
	Security	Full support of Bluetooth Security Provisions		
	Power Management	Microsoft Windows ACPI, and USB Bus Support		
		Self configurable to optimize power conservation in all operating mod including Standby, Hold, Park, and Sniff		
	Certifications	All necessary regulatory approvals for supported countries, includ		
		FCC (47 CFR) Part 15C, Sec	tion 15.247 & 15.249	
		ETS 300 328, ETS 300 826	i	
		Low Voltage Directive IECS	950	
		UL, CSA, and CE Mark		
	Temperature	Operating Non-operating	-4° to 158° F (-20° to 70° C) -40° to 176° F (-40° to 80° C)	
	Humidity	Operating Non-operating	10% to 90% 5% to 95%	



HP EliteBook 2760p Tablet PC

Technical Specifications

	Altitude	Operating Non-operating	15,000 ft (4,572 m) 40,000 ft (12,192 m)	
	Bluetooth Profiles	Serial Port Profile (S	PP) ¹	
	Supported	Service Discovery Ap	plicaton Profile (SDAP)	
		Dial-Up Networking	(DUN) ^{1,2}	
		Generic Object Excha	ange Profile (GOEP) ^{1,2}	
		Object Push Profile (OPP) ^{1,2}	
		File Transfer Profile	(FTP)	
		Synchronization Pro	file (SYNC)	
		Hard Copy Cable Rep	lacement (HCRP) ^{1,2}	
		Personal Area Netwo	orking Profile (PAN) ^{1,2}	
		Human Interface Dev	vice Profile (HID) ^{1,2,3}	
		FAX Profile (FAX)		
		Basic Imaging Profile	e (BIP) ²	
		Headset Profile (HSF))	
		Hands Free Profile (H	IFP)	
		Advanced Audio Dist	ribution Profile (A2DP)	
Environmental Data	2. indicates the profile Eco-Label Certifications	This product has reco	eived or is in the process of being labeled with one or more of th	
		 US ENERGY ST IT ECO declara EPEAT - Gold v 	'AR®	notebook products. See
	System Configuration		ed for the Energy Consumption ne Convertible Mini tower Deskto d Notebook''	
	Energy Consumption	115 VAC	230 VAC	100 VAC
	Normal Operation	9.35 W	9.99 W	9.16 W
	Sleep (Energy Star low power mode)	0.92 W	1.2 W	0.89 W
	Off	0.53 W	0.83 W	0.55 W
	Heat Dissipation*	115 VAC	230 VAC	100 VAC
	Normal Operation	32 BTU/hr	34 BTU/hr	31 BTU/hr
	Sleep	3 BTU/hr	4 BTU/hr	3 BTU/hr
	Off	2 BTU/hr	3 BTU/hr	2 BTU/hr
		* Heat dissipation is calculated based on the measured watts, assuming the		

service level is attained for one hour.

Declared Noise Emissions



Technical Specifications

115				
(in accordance with ISO 7779 and ISO 929	96)			
System Fan Off	Sound Power (LWAd, bels)	Sound Pressure (LpAm, decibels)		
Idle	3.0	26		
Fixed Disk (random writes)	3.0	26		
System fan is usually	off except when charging the battery			
Batteries	This battery(s) in this product comply	with EU Directive 2006/66/EC		
	Batteries used in the product do not co	ntain:		
	 Mercury greater the 5ppm by we Cadmium greater than 10ppm b 	-		
	The battery type and chemistry used ir CR2032 (coin cell), Li-ion 6-cell high capacity Lithium-Ion batter			
Additional information	• • •	This product is in compliance with the Restrictions of Hazardous Substances		
	This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC.			
	This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).			
	This product is in compliance with the level, see www.epeat.net	IEEE 1680 (EPEAT) standard at the Gold		
	Plastics parts weighing over 25 grams 11469 and ISO1043.	used in the product are marked per ISO		
	This product contains 0.13% post cons	sumer recycled plastic (by wt.)		
	This product is greater than 94.2% rec end of life.	ycle-able when properly disposed of at		
	Packaging Materials			
	 The Polyethylene low density Fe 100% recycled content. 	r Foam 17 g erial is made from 80% recycled content pam packaging material is made from erial is made from 100% recycled		



content.

Technical Specifications

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

This product does not contain any of the following substances in excess of regulatory limits (for reference of these limits please refer to the HP General Specification of the Environment:

(http://www.hp.com/hpinfo/globalcitizenship/environment/ supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Nickel finishes that release greater than 0.5 µgrams/cm2/week, measured according to EN 1811:1998, are not used on any product surface designed to be frequently handled or touched by users.

End-of-life Management and Recycling

Material Usage

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to:



Technical Specifications	
	http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.
	The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
Hewlett-Packard	For more information about HP's commitment to the environment:
Corporate Environmental Information	
	Environment website
	http://www.hp.com/environment
	ISO 14001 certificates:
	http://www.hp.com/hpinfo/globalcitizenship/environment/operations/ envmanagement.html
Information	http://www.hp.com/environment Eco-label certifications http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ ecolabels.html ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/operations/

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