



You want to be first with the latest.
Get the ultimate multi-core advantage with Intel.

Intel® Product Quick Reference Matrix
Q1 2007





"You're...looking at the most impressive piece of silicon the world has ever seen..."

*Core™ 2 Duo and Core™ 2 Extreme:
The Empire Strikes Back,
Anandtech*, July 2006*

End-to-end leadership with Intel.

- Intel delivers the world's first quad-core desktop processor and the world's first mainstream quad-core server processors¹ so you can be first to market with lightning-fast offerings for your most demanding customers.
- Grow customers at every platform level with Intel's dual-core processors for desktop, mobile, and server computers.
- Deliver excellent performance for the Microsoft* Windows* Vista* operating system with Intel® Core™2 Duo processor-based notebook and desktop platforms and Intel® vPro™ technology for business PCs.

1. Source: IDC Q2 2006 Worldwide Quarterly Server Tracker update. August 23, 2006.

Leadership with Intel quad-core technology.

Intel launched the world's first quad-core desktop processor and the world's first mainstream quad-core server processors in 2006.



Intel® Core™2 Extreme Quad-core Desktop Processor (Qx6700)

- World's best multimedia engine
- Up to 80% faster performance for highly-threaded applications^{2,3}
- Up to 57% better when gaming in 3D^{3,4}



Quad-Core Intel® Xeon® Processor 5300 Series for DP Servers

- World's first quad-core processor for general-purpose, 2-way mainstream servers⁵
- Up to 1.5 times faster than dual-core Intel® Xeon® processor 5100⁶
- Up to 4.5 times better performance/watt than single-core Intel Xeon processors⁷

More quad-core power coming in early 2007!



Intel® Core™2 Quad Desktop Processor (Q6600)

- The ultimate quad-core entertainment engine
- Multimedia powerhouse for demanding entertainment applications

Quad-Core Intel® Xeon® Processor 3200 Series for UP Servers

- Exceptional performance for small business and basic enterprise needs
- Reliable and stable platform for critical business applications

2. Compared to the Intel® Core™ 2 Extreme Desktop Processor (X6800).

3. Measured using 3D Ray Tracing On POV-Ray 3.7 Beta 16. Complete performance data at www.intel.com/performance/desktop/extreme.3d_ray_tracing.htm.

4. 3DMark 06 CPU Score. Complete performance data at www.intel.com/performance/desktop/extreme/gaming.htm.

5. Source: IDC Q2 2006 Worldwide Quarterly Server Tracker update, August 23, 2006.

6. Intel internal measurement as of Oct 9, 2006 using SPECint_rate_base2000*. Results compare Xeon E5345 (CTN 2.33/1333/80W) with measured Xeon 5160 (WC 3.00/1333/80W). Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. For more information visit www.intel.com/performance/resources/limits.htm or call (U.S.) 1-800-628-8686 or 1-916-356-3104.

7. Intel internal measurement as of Oct 9, 2006 using SPECint_rate_base2000*. Results compare Xeon E5345 (CTN 2.33/1333/80W) with published 64 bit Intel Xeon Processor 3.60GHz with 2ML2 cache (lrw 3.6/LH800/110W). Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. For more information visit www.intel.com/performance/resources/limits.htm or call (U.S.) 1-800-628-8686 or 1-916-356-3104.



New ways to judge “fast”

If your customers are still judging a CPU by its clock speed, or gigahertz (GHz), introduce them to the new world of dual-core performance. The Intel® Core™ microarchitecture delivers greater performance at lower clock speeds. Show customers how the Intel® Core™2 Duo processors “beat the clock” in benchmarks with total performance and outstanding performance per watt.⁸ For more information, visit www.intel.com/reseller/core2duo.

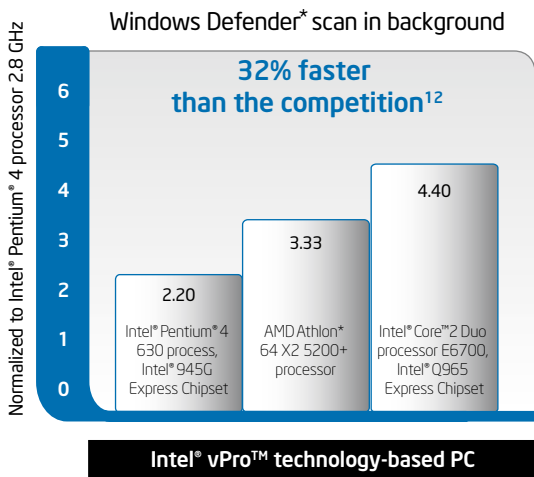
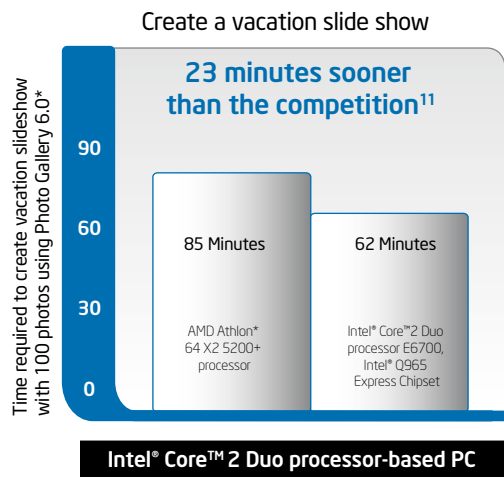
⁸ Performance and energy efficiency (TDP) compared to prior generation Intel processors. Actual performance may vary. See www.intel.com/performance for detail.

Sell up to dual-core. Sell more.

If you haven't already, start transitioning all your “single-core” customers to dual-core platforms. It's no longer the platform of the future; it's the platform of now. Dual-core processors will give your customers more performance, more longevity, and more options than single-core processors.



It takes more than speed to lead.



Sell the very best platforms for Microsoft* Windows* Vista* and the 2007 Microsoft Office* system.

For consumers and businesses alike, Intel® Core™2 Duo processor-based clients are the best for running the new Microsoft Windows Vista operating system and the 2007 Microsoft Office system.

- Intel® Core™ Microarchitecture supports a highly threaded OS to maximize performance
- Intel® vPro™ technology-based platforms delivers the best Vista* experience for business PCs
- Cost-effective integrated graphics support the new 3-D Windows Aero* user interface
- Intel® Core™2 Duo processor-based platforms featuring either the Intel® 945 or Intel® 965 Express Chipset families will qualify for the Windows* Vista* Premium Ready PC logo.⁹
- Two of the world's top five brands¹⁰ working with you to create demand

9. Requires that the system be equipped with at least 1GB, dual-channel, DDR2 533 Mhz system memory.

10. Source: 2006 Business Week* Ranking of Corporate Brands provided by Interbrand*

11. Calculation based on Photo Gallery 6.0 converting 6 jpg photos into a high definition wmv file. Source: Intel. Configuration: Intel® Core™2 Duo Processor E6700 (4 MB L2, 2.66 GHz, 1066 MHz FSB), Intel® DG965WH motherboard with G965 Express Chipset, Intel® G965G 7.14.10.1101 driver, AMD Athlon 64 X2 5200+ (2x1 MB L2 Cache, 2.60 GHz), ECS RS485M-M 1.0 motherboard with ATI® RS485 and ATI® SB460, Vista* RC2 Chipset Driver. All Platforms: DS Corsair* CM2X1024-8500C5 XMS2-8500 2x1 GB @ DDR2-800 5-5-5-15, Maxtor DiamondMax 10 6B300S0 300 GB NCQ Serial ATA (7200 RPM, 16 MB cache), using Windows Vista* RC2 build 5744 Engineering Evaluation Performance tests and ratings are measured using specific systems and/or components and reflect approximate performance of Intel products as measured by those tests. Any difference in system hardware, software, or configuration may affect actual performance. Buyers should consult other sources of information to evaluate system or component performance they are considering purchasing. For information on performance tests and performance of Intel products, visit www.intel.com/performance/resources/limits.htm.

12. Source: Principled Technologies*, Inc., as commissioned by Intel Corporation. Configuration: Intel® vPro™ technology based PC with Intel Core™2 Duo processor E6700 2.66 GHz - Intel Q965 Desktop Board, 1024MB PC2-6400 5-5-5-18, Seagate ST3808110AS SATA 300Mb/s hard drive, Intel GMA 3000 graphics 256MB, Intel 7.14.10.1111 graphics driver, Integrated Intel 82566DM Gigabit Ethernet adapter; AMD* Athlon® 64 X2 5200+ processor - ASUSTek M2NBP-VM CSM motherboard, 1024 MB PC2-6400 5-5-5-18, Seagate ST3802110A ATA100 hard drive, NVIDIA* Quadro NVS 210S graphics 128MB, NVIDIA 7.14.10.9677 graphics driver, Integrated NVIDIA nForce Networking Controller. All platforms: DirectX® 10, Microsoft Windows Vista Ultimate RTM.

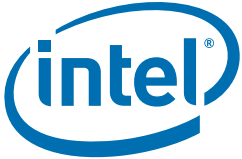


Intel® Product Quick Reference Matrix: Q1 2007

Desktop Platforms Matrix
Server Platforms Matrix
Technology Update
Intel® Desktop Processors
Intel® Desktop Boards and
Intel® PRO Desktop Adapters

Intel® Mobile Processors and
Intel® PRO/Wireless Network Connections
Intel® Server/Workstation Processors
Intel® Server Boards
Intel® Server Chassis
Intel® Server Systems











Intel® PRO Server Adapters
Intel® RAID Controllers
Intel® Management Modules
Intel® Storage Systems
Intel® Blade Server Products



DESKTOP PLATFORMS MATRIX
Business Platform Matrix











Digital Office

DESKTOP PLATFORMS MATRIX

Good	Better	Best
<p>Affordable Dual-Core Cost-efficient solutions for budget conscious users with the stability and reliability that Intel provides.</p>	<p>Dual-Core, Do More Stable and reliable platforms for business users who want key technology and solid performance at a mainstream price.</p>	<p> Multiply Your Capabilities A Platform designed to maximize small business efficiency with greater multi-tasking capability, support for emerging usage models, integrated protection, and remote client management.</p>
<p> Intel® Pentium® D Dual-core processor 800 sequence</p>	<p> Intel® Pentium® D Dual-core processor 900 sequence</p>	<p> Intel® Core™2 Duo processor</p>
<p> Intel® Desktop Board Essential Series</p>	<p> Intel® Desktop Board Classic Series</p>	<p> Intel® Desktop Board Executive Series</p>
<p> Intel® 945PL Express Chipset or 3rd party chipset</p>	<p> Intel® Q963 Express Chipset</p>	<p> Intel® Q965 Express Chipset</p>
<p>Incremental Platform Features:</p> <ul style="list-style-type: none"> ▪ Dual-core benefits <ul style="list-style-type: none"> - Multi-tasking - Multi-threading - Multi-user ▪ 2x1 MB L2 cache ▪ Intel® 64¹ 64-bit support ▪ Execute Disable Bit ▪ Platform capabilities <ul style="list-style-type: none"> - Intel® High Definition Audio - Dual channel DDR2 533/400 - PCI Express* x16 graphics - Intel® PRO 10/100 LAN - Windows* Vista* Premium ready 	<p>Incremental Platform Features:</p> <ul style="list-style-type: none"> ▪ Improved dual-core performance ▪ Larger 2x2 MB L2 cache ▪ Intel® Core™2 Duo processor support ▪ Platform capabilities <ul style="list-style-type: none"> - Intel® Graphics Media Accelerator 3000 - Dual channel DDR2 667/533 memory - Intel® PRO 10/100/1000 Network connection 	<p>Incremental Platform Features:</p> <ul style="list-style-type: none"> ▪ Supports world's best dual-core processors <ul style="list-style-type: none"> - Lower power, quieter operation - Up to 4 MB Intel® Advanced Smart Cache - Intel® Virtualization Technology - Best for small form factor PCs - Uses standard PC building blocks ▪ Platform capabilities <ul style="list-style-type: none"> - Intel® Active Management Technology - Managed services capability (using Intel® Active Management Technology) - Trusted Platform Module - Intel® Matrix Storage Technology

Consumer Platform Matrix

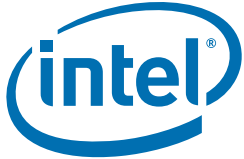
Digital Home

Good	Better	Best
<p>Affordable Dual-Core</p>	<p>Multiply Your Capabilities</p>	 <p>Unrivaled performance for advanced gamers and power users</p>
 <p>Intel® Pentium® D processor 900 sequence</p>	 <p>Intel® Core™2 Duo processor</p>	 <p>Intel® Core™2 Extreme Edition processor</p>
 <p>Intel® Desktop Board Essential Series</p>	 <p>Intel® Desktop Board Media Series</p>	 <p>Intel® Desktop Board Extreme Series</p>
 <p>Intel® 946GZ Express Chipset</p>	 <p>Intel® G965 Express Chipset</p>	 <p>Intel® 975X Express Chipset</p>
<p>Incremental Platform Features:</p> <ul style="list-style-type: none"> ▪ Dual-core benefits <ul style="list-style-type: none"> - Multi-tasking - Multi-threading - Multi-user ▪ 2x2 MB L2 cache ▪ Intel® 64¹ 64-bit support ▪ Execute Disable Bit ▪ Platform capabilities <ul style="list-style-type: none"> - Intel® Graphics Media Accelerator 3000 - Intel® High Definition Audio with 5.1 Surround Sound - Up to 2 GB dual-channel DDR2 533/400 memory - PCI Express* x16 graphics - Intel® PRO 10/100 LAN - Windows* Vista* ready 	<p>Incremental Platform Features:</p> <ul style="list-style-type: none"> ▪ World's best dual-core desktop processors <ul style="list-style-type: none"> - Lower power, quieter operation - Up to 4 MB Intel® Advanced Smart Cache - Intel® Virtualization Technology - Best for Small Form Factor PCs ▪ Platform capabilities <ul style="list-style-type: none"> - Supports Intel® ViiV™ Technology - Intel® Graphics Media Accelerator X3000 with Intel® Clear Video Technology - Intel® Matrix Storage Technology - Up to 8 GB dual-channel DDR2 800/667/533 memory - Intel® PRO 10/100/1000 LAN - Board Supports Dolby* Home Theater 7.1 Surround Sound - Windows* Vista* Premium ready 	<p>Incremental Platform Features:</p> <ul style="list-style-type: none"> ▪ Revolutionary quad-core performance ▪ Platform capabilities <ul style="list-style-type: none"> - Supports Intel® ViiV™ Technology - Dual-PCI Express* graphics slots for ATI* CrossFire* Multi-GPU platform support - Intel® Memory Pipeline Technology - Support for ECC and non-ECC memory - Up to 8 GB DDR2 dual-channel 667/533 memory - Board Supports Dolby* Master Studio 7.1 Surround Sound

¹ Intel® 64 requires a computer system with a processor, chipset, BIOS, enabling software and/or operating system, device drivers, and applications designed for these features. Performance will vary depending on your configuration. Contact your vendor for more information.







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SERVER PLATFORMS MATRIX
SMB Server Platform Matrix

Digital Enterprise

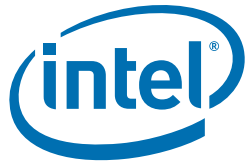
Good	Better	Best
<p>Basic First Server Economical, entry-level solution with basic server features for additional performance and reliability compared to a desktop system.</p>	<p>Workgroup Power Center A versatile, cost-effective solution providing scalable performance, reliability, and efficiency for a wide range of workgroup applications.</p>	<p>Highly Reliable Peak Performer Balanced server platform optimized for peak performance, data protection, and data availability; able to handle compute-intensive and multiuser applications such as databases.</p>
 <p>Intel® Xeon® processor 3000 series</p>	 <p>Intel® Xeon® processor 5000 series</p>	 <p>Intel® Xeon® processor 5100 or 5300 series</p>
 <p>Intel® 3000 Chipset</p>	 <p>Intel® 5000 Chipset</p>	 <p>Intel® 5000 Chipset</p>
<p>Platform Features:</p> <ul style="list-style-type: none"> ▪ Supports a single dual-core processor <ul style="list-style-type: none"> - Intel® Core™ Microarchitecture - Lower power, quieter operation - Up to 4 MB Advanced Transfer Cache - Intel® Virtualization Technology - Intel® 64 architecture ▪ Platform Capabilities <ul style="list-style-type: none"> - ECC DDR2 Memory - Intel® Active Management Technology - Intel® Matrix Storage Technology 	<p>Platform Features:</p> <ul style="list-style-type: none"> ▪ Supports two dual-core processors <ul style="list-style-type: none"> - 2x2 MB L2 Cache - Intel® Virtualization Technology - Intel SpeedStep® Technology - Intel® 64 architecture ▪ Platform Capabilities <ul style="list-style-type: none"> - Fully-Buffered DIMM Memory - Intel® I/O Acceleration Technology (optional) - Intel® Integrated Server RAID (optional) 	<p>Platform Features:</p> <ul style="list-style-type: none"> ▪ Supports two dual-core processors or two quad-core processors <ul style="list-style-type: none"> - Intel® Core™ Microarchitecture - Up to 8 MB Advanced Transfer Cache - Intel® Virtualization Technology - Intel SpeedStep® Technology - Intel® 64 architecture ▪ Platform Capabilities <ul style="list-style-type: none"> - Fully-Buffered DIMM Memory - Intel® I/O Acceleration Technology (optional) - Intel® Integrated Server RAID (optional)

¹ Intel® 64 requires a computer system with a processor, chipset, BIOS, enabling software and/or operating system, device drivers, and applications designed for these features. Performance will vary depending on your configuration. Contact your vendor for more information.

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*Other names and brands may be claimed as the property of others.

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THE INTEL® CORE™2 DUO PROCESSOR FOR THE DESKTOP

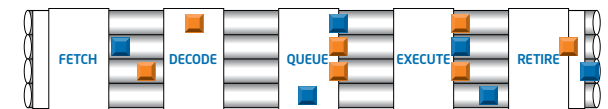
Built on the new Intel® Core™ Microarchitecture, the Intel® Core™2 Duo processor is designed using wider pipelines, more instructions per clock cycle, and better intuitive predictions than Intel® NetBurst™ Microarchitecture. The result is a processor capable of operating more efficiently thereby reducing the dependency on frequency for fast and effective computing. And since lower frequencies require less power to function, Intel Core 2 Duo processors can operate with greater performance and less processor power than an equivalent Intel® Pentium® D processor. Here's why.

Intel® Wide Dynamic Execution improves speed

Intel® Netburst™ Architecture:
Three instructions per clock cycle



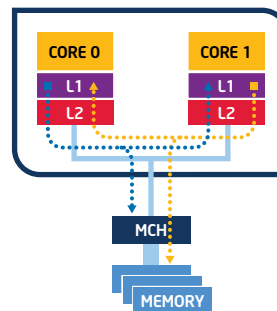
Intel® Core™ Microarchitecture:
Four instructions per clock cycle



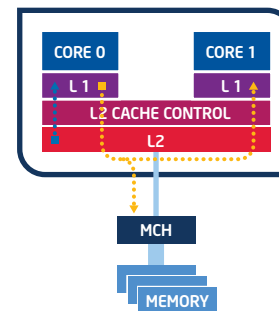
Each processor core can complete up to four full instructions simultaneously, providing more instructions per clock cycle with improved execution speed and efficiency.

Intel® Advanced Smart Cache increases performance

Intel® Pentium® D
Independent Cache



Intel® Core™2 Duo Processor
Shared Cache



The shared L2 cache is allocated to each processor core based on workload up to the full amount of total cache. This is more efficient than today's dual-core processor. Sharing the cache significantly reduces the time needed to retrieve frequently used data improving performance.

Intel® Intelligent Power Capability conserves power

Without Intelligent
Power Capability

Computing functions beyond what is needed are active.



With Intelligent
Power Capability

Computing functions that are needed are active.



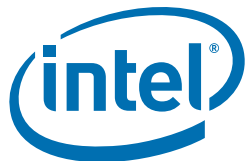
Optimizes energy usage of the processor cores by turning on computing functions only when needed. These more energy-efficient processors can support smaller and quieter desktop PCs.



FEATURES	BENEFITS
Intel® Smart Memory Access	Newly designed and optimized functions for reducing wait time, moving data, and accelerating out-of-order execution keep the pipeline full—improving instruction throughput and performance.
Intel® Advanced Digital Media Boost	128-bit SSE instructions are now issued one per clock cycle effectively doubling their speed of execution over previous generation processors. This benefits a broad range of applications including video, audio, encryption, engineering, and scientific with improved performance.
Digital Thermal Sensor and Intel® Quiet System Technology	Thermal sensors located within the processor measure the maximum temperature on the die at any given time. Intel® Quiet System Technology, included in the Intel® 965 Express Chipset family, uses the DTS to regulate system and processor fan speeds. The acoustic benefit is that system fans spin only as fast as needed to cool the system, and slower spinning fans generate less noise.
Intel Designed Thermal Solution	Designed to take advantage of the Intel® Core™2 Duo processor thermal improvements, the boxed processor thermal solution helps minimize the acoustic noise levels.

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INTEL® DESKTOP PROCESSORS

INTEL CONFIDENTIAL



PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT ¹	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Core™2 Extreme Processor QX6700	ATX	BX80562QX6700	2.66 GHz	64-Bit/32-Bit	1066 MHz	8 MB L2	LGA775	7 35858 19053 4
Intel Core 2 Extreme Processor X6800	ATX	BX80557X6800	2.93 GHz	64-Bit/32-Bit	1066 MHz	4 MB L2 ²	LGA775	7 35858 18466 3
PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT ¹	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Core™2 Quad Processor Q6600	ATX	BX80562Q6600	2.40 GHz	64-Bit/32-Bit	1066 MHz	8 MB L2	LGA775	7 35858 19156 2
Intel® Core™2 Duo Processor E6700	ATX	BX80557E6700	2.66 GHz	64-Bit/32-Bit	1066 MHz	4 MB L2 ²	LGA775	7 35858 18461 8
Intel Core 2 Duo Processor E6600	ATX	BX80557E6600	2.40 GHz	64-Bit/32-Bit	1066 MHz	4 MB L2 ²	LGA775	7 35858 18462 5
Intel Core 2 Duo Processor E6400	ATX	BX80557E6400	2.13 GHz	64-Bit/32-Bit	1066 MHz	2 MB L2	LGA775	7 35858 18463 2
Intel Core 2 Duo Processor E6300	ATX BTX Type II	BX80557E6300 BX80557E6300T2	1.86 GHz	64-Bit/32-Bit	1066 MHz	2 MB L2	LGA775	7 35858 18464 9 7 35858 18465 6
Intel® Pentium® D Processor 945	ATX	BX80553945	3.40 GHz	64-Bit/32-Bit	800 MHz	2 MB x 2 L2	LGA775	7 35858 18487 8
Intel Pentium D Processor 935	ATX	BX80553935	3.20 GHz	64-Bit/32-Bit	800 MHz	2 MB x 2 L2	LGA775	7 35858 18488 5
Intel Pentium D Processor 925	ATX	BX80553925	3 GHz	64-Bit/32-Bit	800 MHz	2 MB x 2 L2	LGA775	7 35858 18421 2
Intel Pentium D Processor 915	ATX	BX80553915	2.80 GHz	64-Bit/32-Bit	800 MHz	2 MB x 2 L2	LGA775	7 35858 18420 5
Intel Pentium D Processor 820	ATX BTX Type I ³	BX80551PG2800F BX80551PG2800FT	2.80 GHz	64-Bit/32-Bit	800 MHz	1 MB x 2 L2	LGA775	7 35858 17610 1 7 35858 17640 8
Intel Pentium D Processor 805	ATX	BX80551PE2666F	2.66 GHz	64-Bit/32-Bit	533 MHz	1 MB x 2 L2	LGA775	7 35858 18183 9

An Intel® dual-core processor provides two execution cores that extend your multitasking capabilities.

For more information, visit the Intel Web site at:
www.intel.com/go/desktopprocessors

PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT ¹	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Pentium® 4 Processor 661 <i>Supporting Hyper-Threading Technology³</i>	ATX	BX80552661	3.60 GHz	64-Bit/32-Bit	800 MHz	2 MB L2	LGA775	7 35858 17989 8
Intel Pentium 4 Processor 641 <i>Supporting Hyper-Threading Technology³</i>	ATX	BCX80552641	3.20 GHz	64-Bit/32-Bit	800 MHz	2 MB L2	LGA775	7 35858 17991 1
Intel Pentium 4 Processor 640 <i>Supporting Hyper-Threading Technology³</i>	ATX	BX80547PG3200F	3.20 GHz	64-Bit/32-Bit	800 MHz	2 MB L2	LGA775	7 35858 17376 6
Intel Pentium 4 Processor 631 <i>Supporting Hyper-Threading Technology³</i>	ATX	BX80552631	3 GHz	64-Bit/32-Bit	800 MHz	2 MB L2	LGA775	7 35858 17992 8
Intel Pentium 4 Processor 630 <i>Supporting Hyper-Threading Technology³</i>	ATX	BX80547PG3000F	3 GHz	64-Bit/32-Bit	800 MHz	2 MB L2	LGA775	7 35858 17375 9
Intel Pentium 4 Processor 541 <i>Supporting Hyper-Threading Technology³</i>	ATX	BX80547PG3200EK	3.20 GHz	64-Bit/32-Bit	800 MHz	1 MB L2	LGA775	7 35858 17294 3
Intel Pentium 4 Processor 531 <i>Supporting Hyper-Threading Technology³</i>	ATX	BX80547PG3000EK BX80547PG3000EKT	3 GHz	64-Bit/32-Bit	800 MHz	1 MB L2	LGA775	7 35858 17569 2 7 35858 17670 5
PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT ¹	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Celeron® D Processor 360	ATX	BX80552360	3.46 GHz	64-Bit/32-Bit	533 MHz	512KB L2	LGA775	7 35858 18606 3
Intel Celeron D Processor 356	ATX	BX80552356	3.33 GHz	64-Bit/32-Bit	533 MHz	512KB L2	LGA775	7 35858 18242 3
Intel Celeron D Processor 352	ATX	BX80552352	3.20 GHz	64-Bit/32-Bit	533 MHz	512KB L2	LGA775	7 35858 18243 0
Intel Celeron D Processor 347	ATX	BX80552347	3.06 GHz	64-Bit/32-Bit	533 MHz	512KB L2	LGA775	7 35858 19042 8
Intel Celeron D Processor 346	ATX	BX80547RE3066CN	3.06 GHz	64-Bit/32-Bit	533 MHz	256KB L2	LGA775	7 35858 17561 6
Intel Celeron D Processor 336	ATX	BX80547RE2800CN	2.80 GHz	64-Bit/32-Bit	533 MHz	256KB L2	LGA775	7 35858 17614 9

¹ Intel® 64 requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel 64. Processor will not operate (including 32-bit operation) without an Intel 64-enabled BIOS. Performance will vary depending on your hardware and software configurations. See www.intel.com/info/em64t for more information including details on which processors support Intel 64 or consult with your system vendor for more information.

² Intel® Core™2 Duo and Core™2 Quad processors employ Intel® Advanced Smart Cache (shared cache).

³ Hyper-Threading Technology requires a computer system with an Intel® Pentium® 4 processor supporting HT Technology and a HT Technology enabled chipset, BIOS, and operating system. Performance will vary depending on the specific hardware and software you use. See www.intel.com/info/hyperthreading/ for more information including details on which processors support HT Technology.

† Refers to Balanced Technology Extended (BTX) Type I thermal solution.

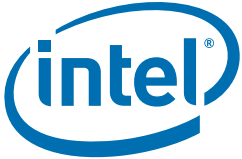
Please refer to the product quick reference matrix located on Intel Reseller Center: www.intel.com/reseller

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See intel.com/products/processor_number for more details.

All products and dates specified are preliminary based on current expectations and are subject to change without notice. Availability in different channels may vary.

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INTEL® DESKTOP BOARDS AND INTEL® PRO DESKTOP ADAPTERS

Welcome to the Intel® Desktop Board Guide

Looking to build a PC today with next-generation technology? Use this Intel® Desktop Board Guide to explore and compare the features of a wide range of Intel® platforms. With the new Extreme, Media, Executive, Classic, and Essential Series Desktop Boards, it's easier than ever to assemble an optimized platform tailored to your unique needs.

Featured Technologies

Intel® Core™2 Duo processor

Intel® Core™2 Duo processor delivering revolutionary dual-core performance and breakthrough desktop processor energy efficiency.

Intel® Graphics Media Accelerator 3000 and X3000

Intel® GMA X3000 with Intel® Clear Video Technology delivers spectacular 3D graphics and remarkable graphics responsiveness. Further support for hardware transform and lighting and floating point operations enables greater gaming compatibility and increased detail and realism. This enhanced graphics core provides performance on par with mainstream

graphics card solutions that would typically cost significantly more. Intel GMA X3000 also includes support for the latest PC operating systems, including Microsoft* Windows* Vista* (Premium), which includes integration of the Media Center Edition* (MCE) features and video controls.

Intel® vPro™ Technology

Desktop PCs with Intel® vPro™ Technology offer innovative security, performance and remote repair features that can help users spend less time dealing with technology issues, so they can spend more time on what they do best: running their business.

Microsoft* Windows* Vista* Ready

Windows Vista introduces breakthrough computing experiences that are both visually exciting and will push the limits of your new PC. Intel offers many desktop boards that will help you build a Windows Vista Premium Ready PC which supports the visually stunning Windows Aero* user interface with amazing transition effects and realistic animations.



Extreme Series	Executive Series	Media Series	Classic Series	Essential Series
<p>High Performance Intel® Desktop Boards take gaming performance to new levels of intensity.</p> <p>Includes:</p> <ul style="list-style-type: none"> Intel® Memory Pipeline Technology Intel® High Definition Audio (Enables 7.1 Surround Sound) Board Supports Dolby* Master Studio* Dual PCI Express* Graphics Slots Intel® Matrix Storage Technology 1394a/1394b 	<p>From a small business to the largest enterprise, Intel® Desktop Boards are designed to maximize efficiency in your digital office.</p> <p>Includes:</p> <ul style="list-style-type: none"> Supports Intel® vPro™ Technology Trusted Platform Module 1.2 (TPM) Intel® Active Management Technology (Intel® AMT)¹ Intel® Management Engine Interface (Intel® MEI) Intel® Fast Memory Access (Intel® FMA) Intel® Graphics Media Accelerator 3000 Intel® Matrix Storage Technology 1394a 	<p>The digital home PC is optimized to capture, edit and share digital media, making it easier to access and enjoy content anytime and anywhere.</p> <p>Includes:</p> <ul style="list-style-type: none"> Supports Intel® Viiv™ Technology Intel® High Definition Audio (Enables 7.1 Surround Sound) Board Supports Dolby* Home Theater* Intel® Graphics Media Accelerator X3000 with Intel® Clear Video Technology Intel® Matrix Storage Technology 1394a 	<p>Stable and reliable boards are the right choice for users who want key technology and solid performance at a mainstream price.</p> <p>Includes:</p> <ul style="list-style-type: none"> Optional 1394a Support Intel® High Definition Audio (Enables 5.1 Surround Sound) Optional Intel® Graphics Media Accelerator 3000 or Intel® Graphics Media Accelerator X3000 with Intel® Clear Video Technology Intel® PRO 10/100/1000 LAN Network Connection 	<p>The Essential Series offers a cost-efficient solution for budget-conscious users who need stability and reliability.</p> <p>Includes:</p> <ul style="list-style-type: none"> Intel® Graphics Media Accelerator 3000 Intel® PRO 10/100 Network Connection Intel® High Definition Audio

Intel® Clear Video Technology uses advanced de-interlacing technology and ProcAmp color controls to deliver sharper, more vibrant video images.

For more information, visit the Intel Web site at: www.intel.com/go/desktopboards



Series	Extreme Series – Supports Intel® Viiv™ Technology	Extreme Series – Supports Intel® Viiv™ Technology	Media Series – Supports Intel® Viiv™ Technology	
Product Family	Intel® Desktop Board D975XBX2	Intel® Desktop Board D975XBX	Intel® Desktop Board DG965WH	
Form Factor	ATX	ATX	ATX	
Product Code/UPC	BOXD975XBX2KR (Intel® PRO 10/100/1000, ICH7R/DH) / 00735858186162	BOXD975XBXLKR (Intel® PRO 10/100/1000, ICH7DH) / 00735858178716	BOXDG965WHMKR (Intel® PRO 10/100/1000, ICH8DH) / 00735858180597	
10-pack Product Code/UPC	BLKD975XBX2KR (Intel PRO 10/100/1000, ICH7R/DH) / 00735858186179	BLKD975XBXLKR (Intel PRO 10/100/1000, ICH7DH) / 00735858178723	BLKDG965WHMKR (Intel PRO 10/100/1000, ICH8DH) / 00735858180603 KDG965WHMRPAK10 (Intel PRO 10/100/1000, ICH8DH)	
Processor Support	Intel® Core™2 Extreme Edition, Intel® Core™2 Quad ³ , Intel® Core™2 Duo, Intel® Pentium® Extreme Edition, Intel® Pentium® D, Intel® Pentium® 4 Extreme Edition, and Intel® Pentium® 4 processors in the LGA775 package	Intel® Pentium® Extreme Edition, Intel® Pentium® D, Intel® Pentium® 4 Extreme Edition, and Intel® Pentium® 4 processors in the LGA775 package	Intel® Core™2 Quad ³ , Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	
	1066 MHz	1066 MHz / 800 MHz	1066 MHz / 800 MHz	
	Intel® 975X Express Chipset	Intel® 975X Express Chipset	Intel® G965 Express Chipset	
Supported FSB	Yes	Yes	Yes	
Chipset	None	None	Intel® Graphics Media Accelerator X3000 with Dual Independent Display capability (VGA + DVI-D) and Intel® Clear Video Technology	
Supports HT Technology ²	1 PCI Express* x16 (electrical x16/x8) 1 PCI Express x16 (electrical x8) 1 PCI Express x16 (electrical x4)	1 PCI Express* x16 (electrical x16/x8) 1 PCI Express x16 (electrical x8) 1 PCI Express x16 (electrical x4)	PCI Express* x16	
Graphics	DDR2 800 SDRAM, Dual-channel (8 GB ⁴ max)	DDR2 667 / 533 SDRAM 4 slots, Dual-channel (8 GB ⁴ max) ECC and non-ECC memory support	DDR2 800 / 667 / 533 ⁹ SDRAM, Dual-channel (8 GB ⁴ max)	
Graphics Connector	1 PCI Express x16 connector (electrical x4), 3 PCI	1 PCI Express x16 (electrical x4), 3 PCI	3 PCI Express x1, 3 PCI	
	Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical, 1 coax). Board supports Dolby Master Studio*	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical, 1 coax). Board supports Dolby* Master Studio*	Flexible 8-channel audio with jack sensing. Board supports Dolby* Home Theater*	
Memory Support	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers 1 IEEE-1394a back port and 1 internal header	Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers 1 IEEE-1394a back port and up to 1 internal header for IEEE-1394a	10 Hi-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers Up to 2 IEEE-1394 ports	
Expansion Slots	4 SATA ports (3.0 Gbps), Discrete SATA RAID Controller with 4 additional SATA ports (3.0 Gbps)	4 SATA ports (3.0 Gbps), Discrete SATA RAID Controller with 4 additional SATA ports, and ATA 100/66 up to two devices	6 SATA ports (3.0 Gbps) and ATA 100/66 up to two devices	
Audio	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (RAID 0, 1, 10, 5, and Matrix RAID)	
USB Ports	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	
1394	No	No	No	
Storage	Yes	Yes	Yes	
RAID	Intel® Audio Studio Pro Intel® Desktop Control Center Intel® Desktop Utilities ⁵ Diskeeper* 9 Home Edition Farstone RestoreIT* InterVideo® MediaOne* Gallery InterVideo® WinDVD Player* Norton AntiVirus* Norton Internet Security* Premium VoIP Service Offers	Ulead* Pocket DV Show Ulead* Video Studio* 9 SE DVD Kaspersky* Anti-Virus ⁶ Kingsoft* Antivirus ⁷ Kingsoft* Powerword ⁷	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ Diskeeper* 9 Home Edition Farstone RestoreIT* InterVideo® MediaOne* Gallery InterVideo® WinDVD Player* Norton Internet Security* Premium VoIP Service Offers Ulead* Pocket DVD Show Ulead* Video Studio*SE DVD	Kaspersky* Anti-Virus ⁶ Kingsoft* Antivirus ⁷ Kingsoft* Powerword ⁷
On-Board LAN	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology	Intel® Express BIOS Update Fault Tolerant Flashing Multiple Language Support Digital Signature Technology	Intel® Platform Innovation Framework for the Extensible Fault Tolerant Flashing Multiple Language Support Digital Signature Technology	Digital Signature Technology Fault Tolerant Flashing Multiple Language Support
TPM	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology	Intel® Express BIOS Update Fault Tolerant Flashing Multiple Language Support Digital Signature Technology	Intel® Platform Innovation Framework for the Extensible Fault Tolerant Flashing Multiple Language Support Digital Signature Technology	Digital Signature Technology Fault Tolerant Flashing Multiple Language Support
Lead Free	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology	Intel® Express BIOS Update Fault Tolerant Flashing Multiple Language Support Digital Signature Technology	Intel® Platform Innovation Framework for the Extensible Fault Tolerant Flashing Multiple Language Support Digital Signature Technology	Digital Signature Technology Fault Tolerant Flashing Multiple Language Support
Software	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology	Intel® Express BIOS Update Fault Tolerant Flashing Multiple Language Support Digital Signature Technology	Intel® Platform Innovation Framework for the Extensible Fault Tolerant Flashing Multiple Language Support Digital Signature Technology	Digital Signature Technology Fault Tolerant Flashing Multiple Language Support
	3 year limited warranty	3 year limited warranty	3 year limited warranty	



Series	Media Series - Supports Intel® Viiv™ Technology	Media Series - Supports Intel® Viiv™ Technology	Media Series - Supports Intel® Viiv™ Technology
Product Family	Intel® Desktop Board DG9650T	Intel® Desktop Board DG965MQ	Intel® Desktop Board DG965PZ
Form Factor	MicroATX	MicroBTX	PicoBTX
Product Code/UPC	BOXDG9650TMKR (Intel® PRO 10/100/1000, ICH8DH) / 00735858186025	BOXDG965MQMKR (Intel® PRO 10/100/1000, ICH8DH) / 00735858180566	BOXDG965PZMKR (Intel® PRO 10/100/1000, ICH8DH) / 00735858180658
10-pack Product Code/UPC	BLKDG9650TMKR (Intel® PRO 10/100/1000, ICH8DH) / 00735858186049 KDG9650TMRPAK10 (Intel® PRO 10/100/1000, ICH8DH)	BLKDG965MQMKR (Intel® PRO 10/100/1000, ICH8DH) / 00735858180573 KDG965MQMRPAK10 (Intel® PRO 10/100/1000, ICH8DH)	BLKDG965PZMKR (Intel® PRO 10/100/1000, ICH8DH) / 00735858180665 KDG965PZMKRPAK10 (Intel® PRO 10/100/1000, ICH8DH)
Processor Support	Intel® Core™2 Quad ³ , Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package
Supported FSB	1066 MHz / 800 MHz	1066 MHz / 800 MHz	1066 MHz / 800 MHz
Chipset	Intel® G965 Express Chipset	Intel® G965 Express Chipset	Intel® G965 Express Chipset
Supports HT Technology ²	Yes	Yes	Yes
Graphics	Intel® Graphics Media Accelerator X3000 with Intel® Clear Video Technology	Intel® Graphics Media Accelerator X3000 with Dual Independent Display capability (VGA + DVI-D) and Intel® Clear Video Technology	Intel® Graphics Media Accelerator X3000 with Dual Independent Display capability (VGA + DVI-D) and Intel® Clear Video Technology
Graphics Connector	PCI Express* x16	PCI Express* x16	PCI Express* x16
Memory Support	DDR2 800 / 667 / 533 ⁹ SDRAM, Dual-channel (8 GB ⁴ max)	DDR2 800 / 667 / 533 ⁹ SDRAM, Dual-channel (8 GB ⁴ max)	DDR2 800 / 667 / 533 ⁹ SDRAM, Dual-channel (8 GB ⁴ max)
Expansion Slots	1 PCI Express x1, 2 PCI	1 PCI Express x1, 2 PCI	1 PCI Express Mini Card connector
Audio	Flexible 8-channel audio with jack sensing. Board supports Dolby* Home Theater*	Flexible 8-channel audio with jack sensing. Board supports Dolby* Home Theater*	Flexible 8-channel audio with jack sensing. Board supports Dolby* Home Theater*
USB Ports	10 Hi-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers	10 Hi-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers	10 Hi-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers
1394	Up to 2 IEEE-1394 ports	Up to 2 IEEE-1394 ports	Up to 2 IEEE-1394 ports
Storage	6 SATA ports (3.0 Gbps) and ATA 100/66 up to two devices	6 SATA ports (3.0 Gbps) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gbps)
RAID	Intel® Matrix Storage Technology (RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (RAID 0, 1, 10, 5, and Matrix RAID)
On-Board LAN	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection
TPM	No	No	No
Lead Free	Yes	Yes	Yes
Software	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ Diskeeper* 9 Home Edition Farstone RestoreIT* InterVideo* MediaOne* Gallery InterVideo* WinDVD Player* Norton Internet Security* Premium VoIP Service Offers Ulead* Pocket DVD Show Ulead* Video Studio*SE DVD	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ Diskeeper* 9 Home Edition Farstone RestoreIT* InterVideo* MediaOne* Gallery InterVideo* WinDVD Player* Norton Internet Security* Premium VoIP Service Offers Ulead* Pocket DVD Show Ulead* Video Studio*SE DVD	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ Diskeeper* 9 Home Edition Farstone RestoreIT* InterVideo* MediaOne* Gallery InterVideo* WinDVD Player* Norton Internet Security* Premium VoIP Service Offers Ulead* Pocket DVD Show Ulead* Video Studio*SE DVD
	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support
	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series	Media Series - Supports Intel® Viiv™ Technology	Media Series - Supports Intel® Viiv™ Technology	Media Series	
Product Family	Intel® Desktop Board D945GPM	Intel® Desktop Board D945GBO	Intel® Desktop Board D945PwM includes an NVIDIA* GeForce® 6200 LE Graphics Card	
Form Factor	MicroATX	MicroBTX	ATX	
Product Code/UPC	BOXD945GMLKR (Intel® PRO 10/100/1000, ICH7DH) / 00735858177801	BOXD945GBOLKR (Intel® PRO 10/100/1000, ICH7DH) / 00735858177795	BOXD945PwMML (Intel® PRO 10/100, ICH7) / 00735858181051	
10-pack Product Code/UPC	BLKD945GMLKR (Intel PRO 10/100/1000, ICH7DH) / 00735858177825 KD945GPMKRPAAK10 (Intel PRO 10/100/1000, ICH7DH)	BLKD945GBOLKR (Intel PRO 10/100/1000, ICH7DH) / 00735858177818 KD945GBOKRPAK10 (Intel PRO 10/100/1000, ICH7DH)	N/A	
Processor Support	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package 1066 MHz / 800 MHz / 533 MHz	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package 1066 MHz / 800 MHz / 533 MHz	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package 1066 MHz / 800 MHz / 533 MHz	
Supported FSB	Intel® 945G Express Chipset	Intel® 945G Express Chipset	Intel® 945P Express Chipset	
Chipset	Yes	Yes	Yes	
Supports HT Technology ²	Intel® Graphics Media Accelerator 950	Intel® Graphics Media Accelerator 950	NVIDIA* GeForce® 6200 LE Graphics Card with VGA, DVI-I, and S-video Out display support	
Graphics	PCI Express* x16 DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max) 1 PCI Express x1, 2 PCI	PCI Express* x16 DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max) 1 PCI Express x1, 2 PCI	PCI Express* x16 DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max) 2 PCI Express x1, 4 PCI	
Graphics Connector	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical). Board supports Dolby* Home Theater*	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical). Board supports Dolby* Home Theater*	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical).	
Memory Support	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	
Expansion Slots	Up to 3 IEEE-1394a ports (1 back port) 4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	Up to 3 IEEE-1394a ports (1 back port) 4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	Up to 3 IEEE-1394a ports (1 back port) 4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	
Audio	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	None	
USB Ports	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100 Network Connection	
1394	No	No	No	
Storage	Yes	Yes	No	
RAID	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ Intel® Special Offers City of Heroes ⁸ Farstone Gamedrive* Farstone Restore!TI* Gold InterVideo* MediaOne* Gold InterVideo* WinDVD* 5 Musicmatch* Jukebox Norton* AntiVirus	Norton* Internet Security Ulead* VideoStudio* 9 SE DVD Yahoo!* Toolbar with Anti-spy ABBY* Lingvo 9.0 ⁶ Kaspersky* AntiVirus Business Optimal ⁶ Kingsoft* AntiVirus 2005 ⁷ Kingsoft* PowerWord* 2005 ⁷ Kingsoft* WPS Office Storm ⁷	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ Intel® Special Offers City of Heroes ⁸ ABBY* Lingvo 9.0 ⁶ Farstone Gamedrive* Farstone Restore!TI* Gold InterVideo* MediaOne* Gold InterVideo* WinDVD* 5 Kingsoft* AntiVirus 2005 ⁷ Kingsoft* PowerWord* 2005 ⁷ Kingsoft* WPS Office Storm ⁷	Intel® Audio Studio Pro Norton* AntiVirus Intel® Desktop Utilities ⁵ Norton* Internet Security 2005 NTI CD-Maker* Farstone Gamedrive* Yahoo!* Toolbar with Anti-spy ABBY* Lingvo 9.0 ⁶ Farstone Restore!TI* Gold Kaspersky* AntiVirus Business Optimal ⁶ InterVideo* Home Theater Silver InterVideo* MediaOne* Silver Jasc* Paint Shop Photo Album 5: Starter Edition Kingsoft* AntiVirus 2005 ⁷ Kingsoft* PowerWord* 2005 ⁷ Kingsoft* WPS Office Storm ⁷
On-Board LAN	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI)	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI)	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI)	
TPM	Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	
Lead Free	3 year limited warranty	3 year limited warranty	3 year limited warranty	
Software				



Series	Media Series	Media Series	Media Series	
Product Family	Intel® Desktop Board D925XHY includes an NVIDIA® GeForce® 6200 LE Graphics Card	Intel® Desktop Board D945GNT	Intel® Desktop Board D945GTP	
Form Factor	ATX	ATX	MicroATX	
Form Factor	BOXD925XHYMLR (10/100, ICH6R) / 00735858181082	BOXD945GNTLR (Intel® PRO 10/100, ICH7R) / 00735858174657	BOXD945GTPLR (Intel® PRO 10/100, ICH7R) / 00735858174718	
Product Code/UPC	N/A	BLKD945GNTLR (Intel PRO 10/100, ICH7R) / 00735858174664 KD945GNTLRPAK10 (Intel PRO 10/100, ICH7R)	BLKD945GTPLR (Intel PRO 10/100, ICH7R) / 00735858174725 KD945GTPLRPAK10 (Intel PRO 10/100, ICH7R)	
10-pack Product Code/UPC	Intel® Pentium® 4 processor in the LGA775 package	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	
Processor Support	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz / 533 MHz	
Processor Support	Intel® 925XE/925X Express Chipset	Intel® 945G Express Chipset	Intel® 945G Express Chipset	
Supported FSB	Yes	Yes	Yes	
Chipset	NVIDIA® GeForce® 6200 LE Graphics Card with VGA, DVI-I, and TV Out display support	Intel® Graphics Media Accelerator 950	Intel® Graphics Media Accelerator 950	
Supports HT Technology ²	PCI Express* x16	PCI Express* x16	PCI Express* x16	
Graphics	DDR2 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max) 2 PCI Express x1, 4 PCI	DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max) 2 PCI Express x1, 4 PCI	DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max) 1 PCI Express x1, 2 PCI	
Graphics Connector	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical)	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical)	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical)	
Memory Support	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	
Expansion Slots	Up to 3 IEEE-1394a ports (1 back port)	Up to 3 IEEE-1394a ports (1 back port)	Up to 3 IEEE-1394a ports (1 back port)	
Expansion Slots	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	
Audio	None	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	
USB Ports	Intel® PRO 10/100 Network Connection	Intel® PRO 10/100 Network Connection	Intel® PRO 10/100 Network Connection	
USB Ports	No	No	No	
1394	No	Yes	Yes	
Storage	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ City of Heroes ^{*8} Farstone Gamedrive* Farstone RestoreIT! ^{* Gold} InterVideo® Home Theater Silver	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ Intel® Express Installer City of Heroes ^{*8} Farstone Gamedrive* Farstone RestoreIT! ^{* Gold} InterVideo® Home Theater Silver	Musicmatch* Jukebox Norton* AntiVirus Norton* Internet Security 2005 NTI CD-Maker* Yahoo!® Toolbar with Anti-spy Kaspersky* AntiVirus Business Optimal ⁶	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ Intel® Express Installer City of Heroes ^{*8} Farstone Gamedrive* Farstone RestoreIT! ^{* Gold} InterVideo® Home Theater Silver InterVideo® MediaOne* Silver Jasc* Paint Shop PhotoAlbum 5: Starter Edition Musicmatch* Jukebox Norton* AntiVirus
RAID	Norton* Internet Security 2005 NTI CD-Maker* Yahoo!® Toolbar with Anti-spy ABBY* Lingvo 9.0 ⁶ Kaspersky* AntiVirus Business Optimal ⁶	Norton* Internet Security 2005 NTI CD-Maker* Yahoo!® Toolbar with Anti-spy Kaspersky* AntiVirus Business Optimal ⁶	Norton* AntiVirus Norton* Internet Security 2005 NTI CD-Maker* Yahoo!® Toolbar with Anti-spy Kaspersky* AntiVirus Business Optimal ⁶	
On-Board LAN	Kingsoft* AntiVirus 2005 ⁷ Kingsoft* PowerWord* 2005 ⁷ Kingsoft* WPS Office Storm ⁷	Kingsoft* AntiVirus 2005 ⁷ Kingsoft* PowerWord* 2005 ⁷ Kingsoft* WPS Office Storm ⁷	Kingsoft* AntiVirus 2005 ⁷ Kingsoft* PowerWord* 2005 ⁷ Kingsoft* WPS Office Storm ⁷	
TPM	LANDesk* System Manager ⁹	LANDesk* System Manager ⁹	LANDesk* System Manager ⁹	
Lead Free	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	
Software	3 year limited warranty	3 year limited warranty	3 year limited warranty	



Series	Media Series	Executive Series - Supports Intel® vPro™ Technology	Executive Series - Supports Intel® vPro™ Technology	
Product Family	Intel® Desktop Board D945GCZ	Intel® Desktop Board DQ965GF	Intel® Desktop Board DQ965CO	
Form Factor	MicroBTX	MicroATX	MicroBTX	
Product Code/UPC	BOXD945GCZLR (Intel® PRO 10/100, ICH7R) / 00735858174770	BOXDQ965GFKEKR (Intel® PRO 10/100/1000, ICH8DO) / 00735858180993	BOXDQ965COEKR (Intel® PRO 10/100/1000, ICH8DO) / 00735858180962	
10-pack Product Code/UPC	BLKD945GCZLR (Intel® PRO 10/100, ICH7R) / 00735858174787 KD945GCZLRPAK10 (Intel® PRO 10/100, ICH7R)	BLKDQ965GFKEKR (Intel® PRO 10/100/1000, ICH8DO) / 00735858181006 KDQ965GFERPAK10 (Intel® PRO 10/100/1000, ICH8DO)	BLKDQ965COEKR (Intel® PRO 10/100/1000, ICH8DO) / 00735858180979 KDQ965COERPAK10 (Intel® PRO 10/100/1000, ICH8DO)	
Processor Support	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Quad³, Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	
Supported FSB	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz / 533 MHz	
Chipset	Intel® 945G Express Chipset	Intel® Q965 Express Chipset Intel® Management Engine Interface (Intel® MEI) Intel® Fast Memory Access (Intel® FMA)	Intel® Q965 Express Chipset Intel® Management Engine Interface (Intel® MEI) Intel® Fast Memory Access (Intel® FMA)	
Supports HT Technology ²	Yes	Yes	Yes	
Graphics	Intel® Graphics Media Accelerator 950	Intel® Graphics Media Accelerator 3000	Intel® Graphics Media Accelerator 3000 with Dual-Independent Display capability (VGA + DVI-D outputs)	
Graphics Connector	PCI Express* x16	PCI Express* x16	PCI Express* x16	
Memory Support	DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max)	DDR2 800 / 667 / 533 ⁹ SDRAM, Dual-channel (8 GB ⁴ max)	DDR2 800 / 667 / 533 ⁹ SDRAM, Dual-channel (8 GB ⁴ max)	
Expansion Slots	1 PCI Express x1, 2 PCI	1 PCI Express x1, 2 PCI	1 PCI Express x1, 2 PCI	
Audio	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical)	Flexible 6-Channel audio with jack sensing	Flexible 6-Channel audio with jack sensing	
USB Ports	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	10 High-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers	10 High-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers	
1394	Up to 3 IEEE-1394a ports (1 back port)	Up to 2 IEEE-1394a ports (1 back port)	Up to 2 IEEE-1394a ports (1 back port)	
Storage	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	6 SATA ports (3.0 Gps, NCQ, Hot Plug) and ATA 100/66 up to 2 devices	6 SATA ports (3.0 Gps, NCQ, Hot Plug) and ATA 100/66 up to 2 devices	
RAID	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (RAID 0, 1, 10, 5, and Matrix RAID)	
On-Board LAN	Intel® PRO 10/100 Network Connection	Intel® PRO 10/100/1000 Network Connection Intel® Active Management Technology (Intel® AMT) ¹ with System Defense Feature	Intel® PRO 10/100/1000 Network Connection Intel® Active Management Technology (Intel® AMT) ¹ with System Defense Feature	
TPM	No	Trusted Platform Module 1.2	Trusted Platform Module 1.2	
Lead Free	Yes	Yes	Yes	
Software	Intel® Audio Studio Pro Intel® Desktop Utilities ⁵ Intel® Express Installer City of Heroes ⁶ Farstone Gamedrive* Farstone Restore!T! ⁸ Gold InterVideo® Home Theater Silver InterVideo® MediaOne® Silver Jasc® Paint Shop PhotoAlbum 5: Starter Edition	Musicmatch® Jukebox Norton® AntiVirus Norton® Internet Security 2005 NTI CD-Maker* Yahoo!® Toolbar with Anti-spy Kaspersky® AntiVirus Business Optimal ⁶ Kingsoft® AntiVirus 2005 ⁷ Kingsoft® PowerWord® 2005 ⁷ Kingsoft® WPS Office Storm ⁷	Intel® Audio Studio Kingsoft® Antivirus ⁷ Intel® Desktop Utilities ⁵ Diskeeper® 9 Home Edition Farstone® Restore!T! ⁸ Norton AntiVirus* Premium VoIP Service Offers SAAZ® Starter Edition 5.0 SyAM® Software Desktop Monitor Central Wave® EMBASSY® Trust Suite Kaspersky® Anti-Virus ⁶	Intel® Audio Studio Kingsoft® Antivirus ⁷ Intel® Desktop Utilities ⁵ Diskeeper® 9 Home Edition Farstone® Restore!T! ⁸ Norton AntiVirus* Premium VoIP Service Offers SAAZ® Starter Edition 5.0 SyAM® Software Desktop Monitor Central Wave® EMBASSY® Trust Suite Kaspersky® Anti-Virus ⁶
	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	
	3 year limited warranty	3 year limited warranty	3 year limited warranty	



Series	Executive Series – Supports Intel® vPro™ Technology	Executive Series	Executive Series	
Product Family	Intel® Desktop Board DQ965WC	Intel® Desktop Board D945GNT	Intel® Desktop Board D945GTP	
Form Factor	PicoBTX	ATX	MicroATX	
Product Code/UPC	BOXDQ965WCEKR (Intel® PRO 10/100/1000, ICH8DO) / 00735858180672	BOXD945GNTLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858174671	BOXD945GTPLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858174732	
10-pack Product Code/UPC	BLKDQ965WCEKR (Intel® PRO 10/100/1000, ICH8DO) / 00735858180689 KDQ965WCERPAK10 (Intel® PRO 10/100/1000, ICH8DO)	BLKD945GNTLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858174688 KD945GNTKRPAPK10 (Intel® PRO 10/100/1000, ICH7R)	BLKD945GTPLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858174749 KD945GTPKRPAPK10 (Intel® PRO 10/100/1000, ICH7R)	
Processor Support	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	
Supported FSB	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz / 533 MHz	
Chipset	Intel® Q965 Express Chipset Intel® Management Engine Interface (Intel® MEI) Intel® Fast Memory Access (Intel® FMA)	Intel® 945G Express Chipset	Intel® 945G Express Chipset	
Supports HT Technology²	Yes	Yes	Yes	
Graphics	Intel® Graphics Media Accelerator 3000 with Dual-Independent Display capability (VGA + DVI-D outputs)	Intel® Graphics Media Accelerator 950	Intel® Graphics Media Accelerator 950	
Graphics Connector	PCI Express* x16	PCI Express* x16	PCI Express* x16	
Memory Support	DDR2 800 / 667 / 533 ⁹ SDRAM, Dual-channel (8 GB ⁴ max)	DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max)	DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max)	
Expansion Slots	None	2 PCI Express x1, 4 PCI	1 PCI Express x1, 2 PCI	
Audio	Flexible 6-Channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	
USB Ports	10 High-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	
1394	Up to 2 IEEE-1394a ports (1 back port)	Up to 3 IEEE-1394a ports (1 back port)	Up to 3 IEEE-1394a ports (1 back port)	
Storage	4 SATA ports (3.0 Gps, NCQ, Hot Plug)	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	
RAID	Intel® Matrix Storage Technology (RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	
On-Board LAN	Intel® PRO 10/100/1000 Network Connection Intel® Active Management Technology (Intel® AMT) ¹ with System Defense Feature	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection with Intel® Active Management Technology	
TPM	Trusted Platform Module 1.2	Yes	Yes	
Lead Free	Yes	Yes	Yes	
Software	Intel® Audio Studio Intel® Desktop Utilities ⁵ Diskeeper* 9 Home Edition Farstone* RestoreIT* Norton AntiVirus* Premium VoIP Service Offers SAAZ* Starter Edition 5.0 SyAM* Software Desktop Monitor Central	Intel® Audio Studio Intel® Desktop Utilities ⁵ Intel® Express Installer Farstone RestoreIT* Gold Farstone VirtualDrive* Jasc* Paint Shop Photo Album 5: Starter Edition LANDesk* System Manager ⁸ Norton* Internet Security 2005	Wave Systems* EMBASSY* Trust Suite Kaspersky* Anti-Virus ⁵ Kingsoft* Antivirus ⁷ Intel® Audio Studio Wave Systems* EMBASSY* Trust Suite Yahoo! Toolbar with Anti-spy Kaspersky* AntiVirus Business Optimal ⁶ Kingsoft Antivirus* 2005 ⁷ Kingsoft* WPS Office Storm ⁷	Intel® Audio Studio Intel® Desktop Utilities ⁵ Intel® Express Installer Farstone RestoreIT* Gold Farstone VirtualDrive* Optimal ⁶ Jasc* Paint Shop Photo Album 5: Starter Edition LANDesk* System Manager ⁸ Norton* Internet Security 2005
Warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty	



Series	Executive Series	Classic Series	Classic Series	
Product Family	Intel® Desktop Board D945GCZ	Intel® Desktop Boards DG965RY	Intel® Desktop Boards DG965SS	
Form Factor	MicroBTX	ATX	MicroATX	
Product Code/UPC	BOXD945GCZLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858174794	BOXDG965RYCK (Intel® PRO 10/100/1000, ICH8) / 00735858181778	BOXDG965SSCK (Intel® PRO 10/100/1000, ICH8) / 00735858181730	
10-pack Product Code/UPC	BLKD945GCZLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858174800 KD945GCZKRPAAK10 (Intel® PRO 10/100/1000, ICH7R)	BLKDG965RYCK (Intel® PRO 10/100/1000, ICH8) / 00735858181785 KDG965RYCKPAK10 (Intel® PRO 10/100/1000, ICH8)	BLKDG965SSCK (Intel® PRO 10/100/1000, ICH8) / 00735858181723 KDG965SSCKPAK10 (Intel® PRO 10/100/1000, ICH8)	
Processor Support	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	
Supported FSB	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz	1066 MHz / 800 MHz	
Chipset	Intel® 945G Express Chipset	Intel® G965 Express Chipset	Intel® G965 Express Chipset	
Supports HT Technology²	Yes	Yes	Yes	
Graphics	Intel® Graphics Media Accelerator 950	Intel® Graphics Media Accelerator X3000 with Intel® Clear Video Technology	Intel® Graphics Media Accelerator X3000 with Intel® Clear Video Technology	
Graphics Connector	PCI Express* x16	PCI Express * x16	PCI Express* x16	
Memory Support	DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max)	DDR2 800 / 667 / 533 ⁹ SDRAM 4 slots, Dual-channel (8 GB ¹ max)	DDR2 800 / 667 / 533 ⁹ SDRAM 4 slots, Dual-channel (8 GB ¹ max)	
Expansion Slots	1 PCI Express x1, 2 PCI	3 PCI Express x1, 3 PCI	1 PCI Express x1, 2 PCI	
Audio	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Flexible 6-channel audio with jack sensing	Flexible 6-channel audio with jack sensing	
USB Ports	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	10 Hi-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers	10 Hi-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers	
1394	Up to 3 IEEE-1394a ports (1 back port)	Up to 2 IEEE-1394a ports	Up to 2 IEEE-1394a ports	
Storage	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	
RAID	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	No	No	
On-Board LAN	Intel® PRO 10/100/1000 Network Connection with Intel® Active Management Technology	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	
TPM	Yes	No	No	
Lead Free	Yes	Yes	Yes	
Software	Intel® Audio Studio Intel® Desktop Utilities ⁵ Intel® Express Installer Farstone RestoreIT! ⁶ Gold Farstone VirtualDrive ⁶ Jasc ⁸ Paint Shop Photo Album 5: Starter Edition LANDesk ⁹ System Manager ⁹ Norton ⁷ Internet Security 2005	Wave Systems [*] EMBASSY [*] Trust Suite Yahoo! ⁴ Toolbar with Anti-spy Kaspersky [*] AntiVirus Business Optimal ⁶ Kingsoft Antivirus [*] 2005 ⁷ Kingsoft [*] WPS Office Storm ⁷	Intel® Audio Studio Intel® Desktop Utilities ⁵ Diskeeper [*] 9 Home Edition Farstone RestoreIT [*] SE InterVideo [*] MediaOne [*] Gallery Silver Norton Internet Security [*] Premium VoIP Service Offers Kaspersky [*] Anti-Virus ⁶ Kingsoft [*] Antivirus ⁷	Intel® Audio Studio Intel® Desktop Utilities ⁵ Diskeeper [*] 9 Home Edition Farstone RestoreIT [*] SE InterVideo [*] MediaOne [*] Gallery Silver Norton Internet Security [*] Premium VoIP Service Offers Kaspersky [*] Anti-Virus ⁶ Kingsoft [*] Antivirus ⁷
	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	
	3 year limited warranty	3 year limited warranty	3 year limited warranty	



	Classic Series	Classic Series	Classic Series
Series	Classic Series	Classic Series	Classic Series
Product Family	Intel® Desktop Boards DG965MS	Intel® Desktop Boards DQ963FX	Intel® Desktop Boards DP965LT
Form Factor	MicroBTX	ATX	ATX
Product Code/UPC	BOXDG965MSCK (Intel® PRO 10/100/1000, ICH8) / 00735858181747	BOXDQ963FXCK (Intel® PRO 10/100/1000, ICH8) / 00735858181914	BOXDP965LTCK (Intel® PRO 10/100/1000, ICH8) / 00735858181808
10-pack Product Code/UPC	BLKDG965MSCK (Intel® PRO 10/100/1000, ICH8) / 00735858181754 KDG965MSCKPAK10 (Intel® PRO 10/100/1000, ICH8)	BLKDQ963FXCK (Intel® PRO 10/100/1000, ICH8) / 00735858181907 KDDQ963FXCKPAK10 (Intel® PRO 10/100/1000, ICH8)	BLKDP965LTCK (Intel® PRO 10/100/1000, ICH8) / 00735858181815 KDP965LTCKPAK10 (Intel® PRO 10/100/1000, ICH8)
Processor Support	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Quad ³ , Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package
Supported FSB	1066 MHz / 800 MHz	1066 MHz / 800 MHz	1066 MHz / 800 MHz
Chipset	Intel® G965 Express Chipset	Intel® Q963 Express Chipset	Intel® P965 Express Chipset
Supports HT Technology²	Yes	Yes	Yes
Graphics	Intel® Graphics Media Accelerator X3000 with Intel® Clear Video Technology	Intel® Graphics Media Accelerator 3000	NA
Graphics Connector	PCI Express * x16	NA	PCI Express * x16
Memory Support	DDR2 800 / 667 / 533 ⁹ SDRAM 4 slots, Dual-channel (8 GB ⁴ max)	DDR2 667 / 533 ⁹ SDRAM 4 slots, Dual-channel (8 GB ⁴ max)	DDR2 800 / 667 / 533 ⁹ SDRAM 4 slots, Dual-channel (8 GB ⁴ max)
Expansion Slots	1 PCI Express x1, 2 PCI	3 PCI Express x1, 3 PCI	3 PCI Express x1, 3 PCI
Audio	Flexible 6-channel audio with jack sensing	Flexible 6-channel audio with jack sensing	Flexible 6-channel audio with jack sensing
USB Ports	10 Hi-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers	10 Hi-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers	10 Hi-Speed USB 2.0, 6 back ports / 4 ports via 2 internal headers
1394	Up to 2 IEEE-1394a ports	None	Up to 2 IEEE-1394a ports
Storage	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices
RAID	No	No	No
On-Board LAN	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection
TPM	No	No	No
Lead Free	Yes	Yes	Yes
Software	Intel® Audio Studio Intel® Desktop Utilities ⁵ Diskeeper* 9 Home Edition Farstone RestoreIT* SE InterVideo* MediaOne* Gallery Silver Norton Internet Security* Premium VoIP Service Offers Kaspersky* Anti-Virus ⁶ Kingsoft* Antivirus ⁷	Intel® Audio Studio Intel® Desktop Utilities ⁵ Diskeeper* 9 Home Edition Farstone RestoreIT* SE InterVideo* MediaOne* Gallery Silver Norton Internet Security* Premium VoIP Service Offers Kaspersky* Anti-Virus ⁶ Kingsoft* Antivirus ⁷	Intel® Audio Studio Intel® Desktop Utilities ⁵ Diskeeper* 9 Home Edition Farstone RestoreIT* SE InterVideo* MediaOne* Gallery Silver Norton Internet Security* Premium VoIP Service Offers Kaspersky* Anti-Virus ⁶ Kingsoft* Antivirus ⁷
	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Quiet System Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support
	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series	Classic Series	Classic Series	Classic Series
Product Family	Intel® Desktop Board D945GNT	Intel® Desktop Board D945GTP	Intel® Desktop Board D945GCZ
Form Factor	ATX	MicroATX	MicroBTX
Form Factor	BOXD945GNTL (Intel® PRO 10/100) / 00735858174695	BOXD945GTP (Intel® PRO 10/100) / 00735858174756	BOXD945GCZL (Intel® PRO 10/100) / 00735858174817
Product Code/UPC	BLKD945GNTL (Intel PRO 10/100) / 00735858174701 KD945GNTLPAK10 (Intel PRO 10/100)	BLKD945GTP (Intel PRO 10/100) / 00735858174763 KD945GTPPAK10 (Intel PRO 10/100)	BLKD945GCZL (Intel PRO 10/100) / 00735858174824 KD945GCZLPAK10 (Intel PRO 10/100)
10-pack Product Code/UPC	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package
Processor Support	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz / 533 MHz
Supported FSB	Intel® 945G Express Chipset	Intel® 945G Express Chipset	Intel® 945G Express Chipset
Chipset	Yes	Yes	Yes
Supports HT Technology²	Intel® Graphics Media Accelerator 950	Intel® Graphics Media Accelerator 950	Intel® Graphics Media Accelerator 950
Graphics	PCI Express* x16	PCI Express* x16	PCI Express* x16
Graphics Connector	DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max)	DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max)	DDR2 667 / 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max)
Memory Support	2 PCI Express x1, 4 PCI	1 PCI Express x1, 2 PCI	1 PCI Express x1, 2 PCI
Expansion Slots	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing
Audio	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers
USB Ports	None	None	None
1394	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices
Storage	None	None	None
RAID	Intel® PRO 10/100 Network Connection	Intel® PRO 10/100 Network Connection	Intel® PRO 10/100 Network Connection
On-Board LAN	No	No	No
TPM	Yes	Yes	Yes
Lead Free	Intel® Audio Studio	Intel® Audio Studio	Intel® Audio Studio
Software	Intel® Desktop Utilities ⁵	Intel® Desktop Utilities ⁵	Intel® Desktop Utilities ⁵
	Intel® Express Installer	Intel® Express Installer	Intel® Express Installer
	Farstone RestoreIT! ⁶ Lite	Farstone RestoreIT! ⁶ Lite	Farstone RestoreIT! ⁶ Lite
	InterVideo® Home Theater Silver	InterVideo® Home Theater Silver	InterVideo® Home Theater Silver
	InterVideo® MediaOne® Silver	InterVideo® MediaOne® Silver	InterVideo® MediaOne® Silver
	Jasc® Paint Shop Photo Album 5: Starter Edition	Jasc® Paint Shop Photo Album 5: Starter Edition	Jasc® Paint Shop Photo Album 5: Starter Edition
	Musicmatch® Jukebox	Musicmatch® Jukebox	Musicmatch® Jukebox
	Norton® Internet Security 2005	Norton® Internet Security 2005	Norton® Internet Security 2005
	Yahoo!® Toolbar with Anti-spy	Yahoo!® Toolbar with Anti-spy	Yahoo!® Toolbar with Anti-spy
	Kaspersky® AntiVirus Business Optimal ⁶	Kaspersky® AntiVirus Business Optimal ⁶	Kaspersky® AntiVirus Business Optimal ⁶
	Kingsoft® AntiVirus 2005 ⁷	Kingsoft® AntiVirus 2005 ⁷	Kingsoft® AntiVirus 2005 ⁷
	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI)	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI)	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI)
	Intel® Rapid BIOS Boot	Intel® Rapid BIOS Boot	Intel® Rapid BIOS Boot
	Intel® Precision Cooling Technology	Intel® Precision Cooling Technology	Intel® Precision Cooling Technology
	Intel® Express BIOS Update	Intel® Express BIOS Update	Intel® Express BIOS Update
	Digital Signature Technology	Digital Signature Technology	Digital Signature Technology
	Fault Tolerant Flashing	Fault Tolerant Flashing	Fault Tolerant Flashing
	Multiple Language Support	Multiple Language Support	Multiple Language Support
	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series	Classic Series	Essential Series	Essential Series	Essential Series
Product Family	Intel® Desktop Board D945GRW	Intel® Desktop Board D945GCCR	Intel® Desktop Board D946GZIS	Intel® Desktop Board D946GZTS
Form Factor	PicoBTX	MicroATX	MicroATX	MicroBTX
Product Code/UPC	BOXD945GRWLK (Intel® PRO 10/100/1000) / 00735858180474	BOXD945GCCR (10/100 LAN) / 00735858191494	BOXD946GZISSL (Intel® PRO 10/100, ICH7) / 00735858183543	BOXD946GZTSSL (Intel® PRO 10/100, ICH7) / 00735858183536
10-pack Product Code/UPC	BLKD945GRWLK (Intel® PRO 10/100/1000) / 00735858180467	BLKD945GCCR (10/100 LAN) / 00735858191500	BLKD946GZISSL (Intel® PRO 10/100, ICH7) / 00735858183550 KD946GZISSLPK10 (Intel® PRO 10/100, ICH7)	BLKD946GZTSSL (Intel® PRO 10/100, ICH7) / 00735858183567 KD946GZTSSLPK10 (Intel® PRO 10/100, ICH7)
Processor Support	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Duo w/800 FSB, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA 775 package	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package
Supported FSB	800 MHz / 533 MHz	800 MHz	1066 MHz / 800 MHz / 533 MHz	1066 MHz / 800 MHz / 533 MHz
Chipset	Intel® 945G Express Chipset	Intel® 945GC Express Chipset	Intel® 946GZ Express Chipset	Intel® 946GZ Express Chipset
Supports HT Technology ²	Yes	Yes	Yes	Yes
Graphics	Intel® Graphics Media Accelerator 950	Flexible Intergrated Graphics	Intel® Graphics Media Accelerator 3000	Intel® Graphics Media Accelerator 3000
Graphics Connector	PCI Express* x16	PCI Express* x16	PCI Express* x16	PCI Express* x16
Memory Support	DDR2 667 / 533 SDRAM 4 slots, Dual-channel (4 GB ¹¹ max)	DDR2 533/400 SDRAM 2 slots, Dual-channel (2GB max)	DDR2 667 / 533 / 400 SDRAM 2 slots, Dual-channel (4 GB ¹¹ max)	DDR2 667 / 533 / 400 SDRAM 2 slots, Dual-channel (4 GB ¹¹ max)
Expansion Slots	None	1 PCI Express x1, 2 PCI	1 PCI Express x1, 2 PCI	1 PCI Express x1, 2 PCI
Audio	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Enables 5.1 Surround Sound	Intel® High Definition Audio: Enables 5.1 Surround Sound
USB Ports	8 Hi-Speed USB 2.0, 6 back ports / 2 ports via 1 internal headers	8 Hi-Speed USB 2.0, 4 back ports/ 4 ports via internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers
1394	None	None	None	None
Storage	2 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA II (3.0 Gb/s) and ATA 100/66/33 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices
RAID	None	None	None	None
On-Board LAN	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100 Network Connection	Intel® PRO 10/100 Network Connection	Intel® PRO 10/100 Network Connection
TPM	No	No	No	No
Lead Free	Yes	Yes	Yes	Yes
Software	Intel® Audio Studio Intel® Desktop Utilities ⁵ Intel® Express Installer Farstone RestoreIT!® Lite InterVideo® Home Theater Silver InterVideo® MediaOne® Silver Musicmatch® Jukebox Norton® Internet Security 2005 Yahoo!® Toolbar with Anti-spy Kaspersky® AntiVirus Business Optimal ⁶ Kingsoft® AntiVirus 2005 ⁷	Diskeeper® 9 Home Edition Farstone RestoreIT!® Norton AntiVirus® Premium VoIP Service Offers Kaspersky® Anti-Virus ⁶ Kingsoft® Antivirus ⁷	Diskeeper® 9 Home Edition Farstone RestoreIT® SE Norton AntiVirus® Premium VoIP Service Offers Kaspersky® Anti-Virus ⁶ Kingsoft® Antivirus ⁷	Diskeeper® 9 Home Edition Farstone RestoreIT® SE Norton AntiVirus® Premium VoIP Service Offers Kaspersky® Anti-Virus ⁶ Kingsoft® Antivirus ⁷
	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support
	3 year limited warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series	Essential Series	Essential Series	Essential Series	Essential Series
Product Family	Intel® Desktop Boards D945GCL	Intel® Desktop Board D945PLRN	Intel® Desktop Board D102GGC2	Intel® Desktop Board D101GGC
Form Factor	MicroATX	ATX	MicroATX	MicroATX
Product Code/UPC	BOXD945GCLL (Intel® PRO 10/100, ICH7) / 00735858189187	BOXD945PLRNL (Intel® PRO 10/100) / 00735858179188	BOXD102GGC2L (10/100 LAN) / 00735858181877	BOXD101GGCL (10/100 LAN) / 00735858179638
10-pack Product Code/UPC	BLKD945GCLL (Intel® PRO 10/100, ICH7) / 00735858189170 KD945GCLLPAK10 (Intel® PRO 10/100, ICH7)	BLKD945PLRNL (Intel® PRO 10/100) / 00735858179171 KD945PLRNLPAK10 (Intel® PRO 10/100)	BLKD102GGC2L (10/100 LAN) / 00735858181884 KD102GGC2LPAK10 (10/100 LAN)	BLKD101GGCL (10/100 LAN) / 00735858179621 KD101GGCLPAK10 (10/100 LAN)
Processor Support	Intel® Core™2 Duo, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package	Intel® Pentium® 4 and Intel® Celeron® D processors in the LGA775 package
Supported FSB	1066 MHz / 800 MHz / 533 MHz	800 MHz / 533 MHz	800 MHz / 533 MHz	800 MHz / 533 MHz
Chipset	Intel® 945G Express Chipset	Intel® 945PL Express Chipset	ATI Radeon® Xpress 200 Chipset	ATI Radeon® Xpress 200 Chipset
Supports HT Technology ²	Yes	Yes	Yes	Yes
Graphics	Intel® Graphics Media Accelerator 950	None	Flexible Integrated Graphics	Flexible Integrated Graphics
Graphics Connector	PCI Express* x16	PCI Express* x16	PCI Express* x16	PCI Express* x16
Memory Support	DDR2 667 / 533 SDRAM 4 slots, Dual-channel (4 GB ¹ max)	DDR2 533 / 400 SDRAM 2 slots, Dual-channel (2 GB max)	DDR2 533 / 400 SDRAM 2 slots, Single-channel (2 GB max)	DDR 400 / 333 SDRAM 2 slots, Single-channel (2 GB max)
Expansion Slots	1 PCI Express x1, 2 PCI	2 PCI Express x1, 4 PCI	1 PCI Express x1, 2 PCI	1 PCI Express x1, 2 PCI
Audio	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing
USB Ports	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers
1394	None	None	None	None
Storage	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to two devices	4 SATA ports (1.5 Gb/s) and ATA 100 up to four devices	4 SATA ports (1.5 Gb/s) and ATA 100 up to four devices
RAID	No	None	None	None
On-Board LAN	Intel® PRO 10/100 Network Connection	Intel® PRO 10/100 Network Connection	Integrated 10/100 Network Connection	Integrated 10/100 Network Connection
TPM	No	No	No	No
Lead Free	Yes	Yes	Yes	Yes
Software	Diskeeper® 9 Home Edition Farstone RestoreIT® SE Norton AntiVirus® Premium VoIP Service Offers Kaspersky® Anti-Virus® Kingsoft® Antivirus ⁷	Intel® Desktop Utilities ⁵ Intel® Express Installer Farstone RestoreIT® Lite InterVideo® MediaOne® Silver Musicmatch® Jukebox Norton® Internet Security 2005 Yahoo!® Toolbar with Anti-spy Kaspersky® AntiVirus Business Optimal® Kingsoft® AntiVirus 2005 ⁷	Farstone RestoreIT® Lite InterVideo® MediaOne® Silver Musicmatch® Jukebox Norton® Internet Security 2005 Yahoo!® Toolbar with Anti-spy Kaspersky® AntiVirus Business Optimal® Kingsoft® AntiVirus 2005 ⁷	Farstone RestoreIT® Lite InterVideo® MediaOne® Silver Musicmatch® Jukebox Norton® Internet Security 2005 Yahoo!® Toolbar with Anti-spy Kaspersky® AntiVirus Business Optimal® Kingsoft® AntiVirus 2005 ⁷
On-Board LAN	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Platform Innovation Framework for the Extensible Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	BIOS Update	BIOS Update
	3 year limited warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series	Essential Series	N/A	N/A
Product Family	Intel® Desktop Board D865GSA	Intel® Desktop Board D915PBL	Intel® Desktop Board D915GEV
Form Factor	MicroATX	ATX	ATX
Product Code/UPC	BOXD865GSA (Integrated 10/100) / 00735858182805	BOXD915PBL (Intel® PRO 10/100) / 00735858166430	BOXD915GEV / 00735858166102 BOXD915GEVL (Intel® PRO 10/100) / 00735858166089 BOXD915GEVLK (GbE LAN) / 00735858166065
10-pack Product Code/UPC	BLKD865GSA (Integrated 10/100) / 00735858182812 KD865GSASLPAK10 (Integrated 10/100)	BLKD915PBLL (Intel PRO 10/100) / 00735858166447 KD915PBLLPAK10 (Intel PRO 10/100)	BLKD915GEV / 00735858166119 KD915GEVPAK10 BLKD915GEVL (Intel PRO 10/100) / 00735858166096 KD915GEVLPAK10 (Intel PRO 10/100) BLKD915GEVLK (GbE LAN) / 00735858166072 KD915GEVLKPAK10 (GbE LAN)
Processor Support	Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D processors in the LGA775 package 800 MHz / 533 MHz Intel® 865G Express Chipset	Intel® Pentium® 4 processor in the LGA775 package 800 MHz / 533 MHz Intel® 915P Express Chipset	Intel® Pentium® 4 and Intel® Celeron® D processors in the LGA775 package 800 MHz / 533 MHz Intel® 915G Express Chipset
Supported FSB	Yes	Yes	Yes
Chipset	Integrated Intel® Extreme Graphics 2	None	Intel® Graphics Media Accelerator 900
Supports HT Technology ²	None	PCI Express* x16	PCI Express* x16
Graphics	DDR 400 / 300 / 266 SDRAM 2 slots, Dual-channel (1 GB max) 3 PCI	DDR2 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max) 2 PCI Express x1, 4 PCI	DDR2 533 / 400 ¹⁰ SDRAM 4 slots, Dual-channel (4 GB ¹¹ max) 2 PCI Express x1, 4 PCI
Graphics Connector	Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical, 1 coax)	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing
Memory Support	8 Hi-Speed USB 2.0, 4 back ports/ 4 ports via internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers	8 Hi-Speed USB 2.0, 4 back ports / 4 ports via 2 internal headers
Expansion Slots	None	Up to 3 IEEE-1394a ports (1 back port)	None
Audio	2 SATA ports (1.5 Gbps) and ATA 100/66/33 up to two devices	SATA150 (1.5 Gb/s) (4 ports) and ATA 100/66 up to two devices	SATA150 (1.5 Gb/s) (4 ports) and ATA 100/66 up to two devices
USB Ports	None	Intel® Matrix Storage Technology (RAID 0/1 ¹² and Matrix RAID)	None
1394	Integrated 10/100 Network Connection	Intel® PRO 10/100 Network Connection	Gigabit LAN Solution, Intel® PRO 10/100 Network Connection, or No-LAN
Storage	No	No	Yes on Gigabit LAN SKU
RAID	Yes	No	No
On-Board LAN	Farstone RestoreIT! ⁴ Lite InterVideo® MediaOne® Silver Musicmatch® Jukebox Norton® Internet Security ⁵ Yahoo!® Toolbar with Anti-spy Kaspersky® AntiVirus Business Optimal ⁶ Kingsoft® AntiVirus ⁷	Intel® Audio Studio (with Dolby® Digital Live and Sonic Focus®) Intel® Desktop Control Center ⁸ Intel® Desktop Utilities ⁵ Intel® Express Installer Farstone® RestoreIT! Lite GameSpy® Arcade InterVideo® Home Theater Silver InterVideo® WinDVD Creator Silver LANDesk® System Manager ⁸	Intel® Desktop Utilities ⁵ Intel® Express Installer Farstone® RestoreIT! Lite InterVideo® Home Theater Silver InterVideo® WinDVD Creator Silver LANDesk® System Manager ⁸ Musicmatch® Jukebox Norton Internet Security ⁵ NTI® CD-Maker Sonic Focus® Wave Systems® EMBASSY® Trust Suite (on TPM SKU) WebEx® ⁸
TPM			
Lead Free	BIOS Update	Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support	Intel® Rapid BIOS Boot Intel® Precision Cooling Technology Intel® Express BIOS Update Digital Signature Technology Fault Tolerant Flashing Multiple Language Support
Software			
	3 year limited warranty	3 year limited warranty	3 year limited warranty

INTEL® PRO DESKTOP ADAPTERS

10/100/1000Mbps-OVER-COPPER



10/100Mbps-OVER-COPPER



	Intel® PRO/1000 PT Desktop Adapter	Intel® PRO/1000 GT Desktop Adapter	Intel® PRO/100 S Desktop Adapter-w/3DES (168-bit)	Intel® PRO/100 M Desktop Adapter
Product Code—Singles	EXPI9300PT	PWLA8391GT	PILA8460C3	PILA8460M
Product Code—Bulk Twenty Packs (Full-Height End-Brackets)	EXPI9300PTBLK	PWLA8391GTBLK	PILA8460C3BLK	PILA8460MBLK20
Product Code—Bulk Twenty Packs (Low-Profile End Brackets)	EXPI9300PTLPBLK	PWLA8391GTLBLK	N/A	N/A
Connector	1 RJ-45	1 RJ-45	1 RJ-45	1 RJ-45
Ethernet Controllers	Intel® 82572G1	Intel® 82541PI	Intel® 82550EY	Intel® 82551QM
Bus Width and Type	PCI Express* x1	32-bit PCI 2.3	32-bit PCI 2.2	32-bit PCI 2.2

For more information, visit the Intel Web site at: www.intel.com/network/connectivity/index.htm

¹ Intel® AMT requires the computer to have an Intel® AMT-enabled chipset, network hardware and software, connection with a power source, and a network connection.

² Hyper-Threading requires a computer system with an Intel® Pentium® 4 processor supporting this technology, a chipset and BIOS that utilize this technology, and an operating system that includes optimizations for this technology. Performance will vary depending on the specific hardware and software you use. See www.intel.com/info/hyperthreading for information.

³ May require latest board revision, visit www.intel.com/products/desktop/motherboard/index.htm for more information.

⁴ System resources (such as PCI and PCI Express*) require physical memory address locations that reduce available memory addresses above 7 GB. This may result in less than 8 GB of memory being available to the operating system and applications.

⁵ Intel® Desktop Utilities includes: hardware monitoring, Diskeeper® Lite defragmentation, NTI Backup Now®, StressTest®, and Symantec® Security Check.

⁶ Russian only

⁷ Chinese only

⁸ Internet download, may require third-party registration.

⁹ In combination with Intel® processors in the LGA775 package with 800 MHz and 533 MHz system bus.

¹⁰ DDR2 400 memory only supported in combination with Intel® processors in the LGA775 package with 800 MHz and 533 MHz system bus.

¹¹ System resources (such as PCI and PCI Express*) require physical memory address locations that reduce available memory addresses above 3 GB. This may result in less than 4 GB of memory being available to the operating system and applications.

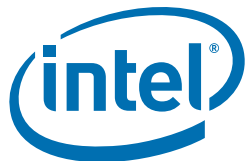
¹² SATA150 (1.5 Gb/s) and RAID 0/1 support with Windows®2000 and Windows® XP only.

Intel® desktop boards may contain design defects or errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request. All products and dates specified are preliminary based on current expectations and are subject to change without notice. Availability in different channels may vary.

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**INTEL® MOBILE PROCESSORS AND
INTEL® PRO/WIRELESS NETWORK CONNECTIONS**

INTEL CONFIDENTIAL



PROCESSOR NAME	PRODUCT CODE	CLOCK SPEED	ARCHITECTURE	FRONT SIDE BUS	CACHE	PACKAGE
Intel® Core™2 Duo processor T7600	BX80537T7600	2.33 GHz	65 nanometer	667 MHz	4MB L2	uFCPGA6
Intel Core 2 Duo processor T7400	BX80537T7400	2.16 GHz	65 nanometer	667 MHz	4MB L2	uFCPGA6
Intel Core 2 Duo processor T7200	BX80537T7200	2 GHz	65 nanometer	667 MHz	4MB L2	uFCPGA6
Intel Core 2 Duo processor T5600	BX80537T5600	1.83 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
Intel Core 2 Duo processor T5500	BX80537T5500	1.66 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
PROCESSOR NAME	PRODUCT CODE	CLOCK SPEED	ARCHITECTURE	FRONT SIDE BUS	CACHE	PACKAGE
Intel® Core™ Duo processor T2700	BX80539T2700	2.33 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
Intel Core Duo processor T2600	BX80539T2600	2.16 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
Intel Core Duo processor T2500	BX80539T2500	2 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
Intel Core Duo processor T2400	BX80539T2400	1.83 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
Intel Core Duo processor T2300	BX80539T2300	1.66 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
Intel Core Duo processor T2300E	BX80539T2300E	1.66 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
Intel® Core™ Solo processor T1400	BX80538T1400	1.83 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
Intel Core Solo processor T1300	BX80538T1300	1.66 GHz	65 nanometer	667 MHz	2MB L2	uFCPGA6
PROCESSOR NAME	PRODUCT CODE	CLOCK SPEED	ARCHITECTURE	FRONT SIDE BUS	CACHE	PACKAGE
Intel® Pentium® M Processor 780	BX80536GE2266FJ	2.26 GHz	90 nanometer	533 MHz	2MB L2	Micro-FCPGA
Intel Pentium M Processor 770	BX80536GE2133FJ	2.13 GHz	90 nanometer	533 MHz	2MB L2	Micro-FCPGA
Intel Pentium M Processor 760	BX80536GE2000FJ	2 GHz	90 nanometer	533 MHz	2MB L2	Micro-FCPGA
Intel Pentium M Processor 750	BX80536GE1866FJ	1.86 GHz	90 nanometer	533 MHz	2MB L2	Micro-FCPGA
Intel Pentium M Processor 740	BX80536GE1733FJ	1.73 GHz	90 nanometer	533 MHz	2MB L2	Micro-FCPGA
PROCESSOR NAME	PRODUCT CODE	CLOCK SPEED	ARCHITECTURE	FRONT SIDE BUS	CACHE	PACKAGE
Intel® Celeron® M Processor 520	BX80538520	1.6 GHz	65 nanometer	533 MHz	1MB L2	Micro-FCPGA
Intel Celeron M Processor 450	BX80538450	2 GHz	65 nanometer	533 MHz	1MB L2	Micro-FCPGA
Intel Celeron M Processor 440	BX80538440	1.86 GHz	65 nanometer	533 MHz	1MB L2	Micro-FCPGA
Intel Celeron M Processor 430	BX80538430	1.73 GHz	65 nanometer	533 MHz	1MB L2	Micro-FCPGA
Intel Celeron M Processor 420	BX80538420	1.60 GHz	65 nanometer	533 MHz	1MB L2	Micro-FCPGA
Intel Celeron M Processor 410	BX80538410	1.46 GHz	65 nanometer	533 MHz	1MB L2	Micro-FCPGA
Intel Celeron M Processor 390	BX80536NC1700EJ	1.70 GHz	90 nanometer	400 MHz	1MB L2	Micro-FCPGA
Intel Celeron M Processor 380	BX80536NC1600EJ	1.60 GHz	90 nanometer	400 MHz	1MB L2	Micro-FCPGA
Intel Celeron M Processor 370	BX80536NC1500EJ	1.50 GHz	90 nanometer	400 MHz	1MB L2	Micro-FCPGA

For more information, visit the Intel Web site at: www.intel.com/go/notebooks

INTEL® PRO/WIRELESS NETWORK CONNECTIONS

PRODUCT NAME	PRODUCT CODE	WLAN STANDARD	FREQUENCY BAND	FORM FACTOR
Intel® PRO/Wireless 3945ABG Network Connection	WM3945AGMW1WB	802.11a/b/g	2.412-2.462, 5.18-5.32, 5.745-5.825 GHz	Mini Card
Intel PRO/Wireless 3945ABG Network Connection	WM3945AGMW2WB	802.11a/b/g	2.412-2.472, 5.18-5.24, 5.26-5.32, 5.5-5.7 GHz	Mini Card
Intel PRO/Wireless 3945ABG Network Connection	WM3945AGJPWB	802.11a/b/g	2.412-2.472, 5.17-5.23, 5.18-5.24, 5.26-5.32 GHz	Mini Card
Intel PRO/Wireless 3945ABG Network Connection	WM3945AGRWWB	802.11a/b/g	2.412-2.472, 5.745-5.805 GHz	Mini Card
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915AGNAXF	802.11a/b/g	2.4-2.4972, 5.15-5.35, 5.725-5.825 GHz	Mini PCI
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915AGRWXF	802.11a/b/g	2.4-2.4972, 5, 5.725-5.825 GHz	Mini PCI
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915AGEUXF	802.11a/b/g	2.4-2.4972, 5, 5.15-5.35, 5.47-5.725 GHz	Mini PCI
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915AGJPXF	802.11a/b/g	2.4-2.4972, 5, 5.15-5.25 GHz	Mini PCI
Intel PRO/Wireless 2200BG Network Connection	WM3B2200BGMWXF	802.11b/g	2.4-2.4835 GHz	Mini PCI
Intel PRO/Wireless 2200BG Network Connection	WM3B2200BGRWXF	802.11b/g	2.4-2.4972 GHz	Mini PCI

For more information, visit the Intel Web site at: www.intel.com/network/connectivity/products/wireless/index.htm

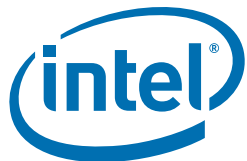
Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See www.intel.com/products/processor_number for more details.

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0107/MS/VD January 2007



INTEL® SERVER/WORKSTATION PROCESSORS



BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
Quad-Core Intel® Xeon® Processor 3220	BX80562X3220	65 nanometer	1066 MHz	8MB	1	LGA775	7 35858 19122 7
Quad-Core Intel Xeon Processor 3210	BX80562X3210	65 nanometer	1066 MHz	8MB	1	LGA775	7 35858 19123 4
Dual-Core Intel® Xeon® Processor 3070	BX805573070	65 nanometer	1066 MHz	4MB	1	LGA775	7 35858 18970 5
Dual-Core Intel Xeon Processor 3060	BX805573060	65 nanometer	1066 MHz	4MB	1	LGA775	7 35858 18971 2
Dual-Core Intel Xeon Processor 3050	BX805573050	65 nanometer	1066 MHz	2MB	1	LGA775	7 35858 18972 9
Dual-Core Intel Xeon Processor 3040	BX805573040	65 nanometer	1066 MHz	2MB	1	LGA775	7 35858 18973 6
BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
Quad-Core Intel® Xeon® Processor X5355	BX80563X5355A <i>(active or 1U heatsink)</i>	65 nanometer	1333 MHz	8MB	2	LGA771	7 35858 19139 5
Quad-Core Intel Xeon Processor X5355	BX80563X5355P <i>(passive heatsink)</i>	65 nanometer	1333 MHz	8MB	2	LGA771	7 35858 19140 1
Quad-Core Intel Xeon Processor E5345	BX80563E5345A <i>(active or 1U heatsink)</i>	65 nanometer	1333 MHz	8MB	2	LGA771	7 35858 19141 8
Quad-Core Intel Xeon Processor E5345	BX80563E5345P <i>(passive heatsink)</i>	65 nanometer	1333 MHz	8MB	2	LGA771	7 35858 19142 5
Quad-Core Intel Xeon Processor E5335	BX80563E5335A <i>(active or 1U heatsink)</i>	65 nanometer	1333 MHz	8MB	2	LGA771	7 35858 19143 2
Quad-Core Intel Xeon Processor E5335	BX80563E5335P <i>(passive heatsink)</i>	65 nanometer	1333 MHz	8MB	2	LGA771	7 35858 19144 9
Quad-Core Intel Xeon Processor E5320	BX80563E5320A <i>(active or 1U heatsink)</i>	65 nanometer	1066 MHz	8MB	2	LGA771	7 35858 19039 8
Quad-Core Intel Xeon Processor E5320	BX80563E5320P <i>(passive heatsink)</i>	65 nanometer	1066 MHz	8MB	2	LGA771	7 35858 19040 4
Quad-Core Intel Xeon Processor E5310	BX80563E5310A <i>(active or 1U heatsink)</i>	65 nanometer	1066 MHz	8MB	2	LGA771	7 35858 19080 0
Quad-Core Intel Xeon Processor E5310	BX80563E5310P <i>(passive heatsink)</i>	65 nanometer	1066 MHz	8MB	2	LGA771	7 35858 19081 7

continued on next page

The Intel® Xeon® processor family is the preferred choice for demanding server applications. The Intel Xeon processor helps to significantly improve compute power and response times for Internet applications, mail servers, small databases, general purpose, and technical computing applications, while the Intel Xeon processor MP provides world class performance for demanding enterprise-level applications.

For more information, visit the Intel Web site at: www.intel.com/go/serverprocessors

continued from previous page

BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
Dual-Core Intel® Xeon® Processor 5160 (3 GHz)	BX805565160A <i>(active or 1U heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18425 0
Dual-Core Intel Xeon Processor 5160 (3 GHz)	BX805565160P <i>(passive heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18426 7
Dual-Core Intel Xeon Processor 5150 (2.66 GHz)	BX805565150A <i>(active or 1U heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18427 4
Dual-Core Intel Xeon Processor 5150 (2.66 GHz)	BX805565150P <i>(passive heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18428 1
Dual-Core Intel Xeon Processor LV 5148 (2.33 GHz)	BX805565148A <i>(active or 1U heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18437 3
Dual-Core Intel Xeon Processor LV 5148 (2.33 GHz)	BX805565148P <i>(passive heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18438 0
Dual-Core Intel Xeon Processor 5140 (2.33 GHz)	BX805565140A <i>(active or 1U heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18429 8
Dual-Core Intel Xeon Processor 5140 (2.33 GHz)	BX805565140P <i>(passive heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18430 4
Dual-Core Intel Xeon Processor 5130 (2 GHz)	BX805565130A <i>(active or 1U heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18431 1
Dual-Core Intel Xeon Processor 5130 (2 GHz)	BX805565130P <i>(passive heatsink)</i>	65 nanometer	1333 MHz	4MB	2	LGA771	7 35858 18432 8
Dual-Core Intel Xeon Processor 5120 (1.86 GHz)	BX805565120A <i>(active or 1U heatsink)</i>	65 nanometer	1066 MHz	4MB	2	LGA771	7 35858 18433 5
Dual-Core Intel Xeon Processor 5120 (1.86 GHz)	BX805565120P <i>(passive heatsink)</i>	65 nanometer	1066 MHz	4MB	2	LGA771	7 35858 18434 2
Dual-Core Intel Xeon Processor 5110 (1.6 GHz)	BX805565110A <i>(active or 1U heatsink)</i>	65 nanometer	1066 MHz	4MB	2	LGA771	7 35858 18435 9
Dual-Core Intel Xeon Processor 5110 (1.6 GHz)	BX805565110P <i>(passive heatsink)</i>	65 nanometer	1066 MHz	4MB	2	LGA771	7 35858 18436 6
Dual-Core Intel Xeon Processor 5080 (3.73 GHz)	BX805555080A <i>(active or 1U heatsink)</i>	65 nanometer	1066 MHz	4MB (2x2)	2	LGA771	7 35858 18075 7
Dual-Core Intel Xeon Processor 5080 (3.73 GHz)	BX805555080P <i>(passive heatsink)</i>	65 nanometer	1066 MHz	4MB (2x2)	2	LGA771	7 35858 18076 4
Dual-Core Intel Xeon Processor 5060 (3.20 GHz)	BX805555060A <i>(active or 1U heatsink)</i>	65 nanometer	1066 MHz	4MB (2x2)	2	LGA771	7 35858 18079 5
Dual-Core Intel Xeon Processor 5060 (3.20 GHz)	BX805555060P <i>(passive heatsink)</i>	65 nanometer	1066 MHz	4MB (2x2)	2	LGA771	7 35858 18080 1

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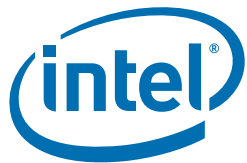
BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
Dual-Core Intel® Xeon® Processor 5050 (3 GHz)	BX805555050A <i>(active or 1U heatsink)</i>	65 nanometer	667 MHz	4MB (2x2)	2	LGA771	7 35858 18085 6
Dual-Core Intel Xeon Processor 5050 (3 GHz)	BX805555050P <i>(passive heatsink)</i>	65 nanometer	667 MHz	4MB (2x2)	2	LGA771	7 35858 18086 3
Dual-Core Intel Xeon Processor 5030 (2.67 GHz)	BX805555030A <i>(active or 1U heatsink)</i>	65 nanometer	667 MHz	4MB (2x2)	2	LGA771	7 35858 18089 4
Dual-Core Intel Xeon Processor 5030 (2.67 GHz)	BX805555030P <i>(passive heatsink)</i>	65 nanometer	667 MHz	4MB (2x2)	2	LGA771	7 35858 18090 0
Dual-Core Intel Xeon Processor LV 2.0 GHz	BX80539KF20002M <i>(no heatsink)</i>	90 nanometer	667 MHz	2MB	2	479-pin	MM# 881981
Dual-Core Intel Xeon Processor LV 1.66 GHz	BX80539KF16672M <i>(no heatsink)</i>	90 nanometer	667 MHz	2MB	2	479-pin	MM# 881982
BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
64-bit Intel® Xeon® Processor 3.80 GHz	BX80546KG3800FP <i>(passive heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17249 3
64-bit Intel Xeon Processor 3.80 GHz	BX80546KG3800FA <i>(active heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17248 6
64-bit Intel Xeon Processor 3.80 GHz	BX80546KG3800FU <i>(1U heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17250 9
64-bit Intel Xeon Processor 3.60 GHz	BX80546KG3600FP <i>(passive heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17232 5
64-bit Intel Xeon Processor 3.60 GHz	BX80546KG3600FA <i>(active heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17227 1
64-bit Intel Xeon Processor 3.60 GHz	BX80546KG3600FU <i>(1U heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17237 0
64-bit Intel Xeon Processor 3.40 GHz	BX80546KG3400FP <i>(passive heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17231 8
64-bit Intel Xeon Processor 3.40 GHz	BX80546KG3400FA <i>(active heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17226 4
64-bit Intel Xeon Processor 3.40 GHz	BX80546KG3400FU <i>(1U heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17236 3
64-bit Intel Xeon Processor 3.20 GHz	BX80546KG3200FP <i>(passive heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17230 1
64-bit Intel Xeon Processor 3.20 GHz	BX80546KG3200FA <i>(active heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17224 0
64-bit Intel Xeon Processor 3.20 GHz	BX80546KG3200FU <i>(1U heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17235 6

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BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
64-bit Intel® Xeon® Processor 3 GHz	BX80546KG3000FP <i>(passive heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17229 5
64-bit Intel Xeon Processor 3 GHz	BX80546KG3000FA <i>(active heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17223 3
64-bit Intel Xeon Processor 3 GHz	BX80546KG3000FU <i>(1U heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17234 9
64-bit Intel Xeon Processor 2.80 GHz	BX80546KG2800FP <i>(passive heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17228 8
64-bit Intel Xeon Processor 2.80 GHz	BX80546KG2800FA <i>(active heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17222 6
64-bit Intel Xeon Processor 2.80 GHz	BX80546KG2800FU <i>(1U heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17233 2
64-bit Intel Xeon Processor LV 3 GHz	BX80546JG3000FP <i>(passive heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17975 1
64-bit Intel Xeon Processor LV 3 GHz	BX80546JG3000FA <i>(active heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17974 4
64-bit Intel Xeon Processor LV 3 GHz	BX80546JG3000F <i>(1U heatsink)</i>	90 nanometer	800 MHz	2MB	2	PGA 604-pin	7 35858 17976 8
BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
Dual-Core Intel® Xeon® Processor 7140	BX805507140M	65 nanometer	800 MHz	16 MB	4+	PGA 604-pin	7 35858 18925 5
Dual-Core Intel Xeon Processor 7130	BX805507130M	65 nanometer	800 MHz	8 MB	4+	PGA 604-pin	7 35858 18926 2
Dual-Core Intel Xeon Processor 7120	BX805507120M	65 nanometer	800 MHz	4 MB	4+	PGA 604-pin	7 35858 18927 9
Dual-Core Intel Xeon Processor 7110	BX805507110M	65 nanometer	800 MHz	4 MB	4+	PGA 604-pin	7 35858 18928 6
Dual-Core Intel Xeon Processor 7041	BX80560KG3000H	90 nanometer	800 MHz	4MB (2x2)	4+	PGA 604-pin	7 35858 17890 7
Dual-Core Intel Xeon Processor 7040	BX80560KF3000H	90 nanometer	667 MHz	4MB (2x2)	4+	PGA 604-pin	7 35858 17889 1
Dual-Core Intel Xeon Processor 7030	BX80560KG2800F	90 nanometer	800 MHz	2MB (2x1)	4+	PGA 604-pin	7 35858 17888 4
Dual-Core Intel Xeon Processor 7020	BX80560KF2660F	90 nanometer	667 MHz	2MB (2x1)	4+	PGA 604-pin	735858 17887 7
Intel Xeon Processor MP 3.66 GHz	BX80546KF3660E	90 nanometer	667 MHz	1MB	4+	PGA 604-pin	7 35858 17432 9
Intel Xeon Processor MP 3.16 GHz	BX80546KF3160E	90 nanometer	667 MHz	1MB	4+	PGA 604-pin	7 35858 17431 2

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INTEL® SERVER BOARDS



Boards	Intel® Server Board S5000PSL (ROMB)	Intel® Server Board S5000PSL (SAS)	Intel® Server Board S5000PSL (SATA)
	High-performance server board for maximum reliability and manageability	High-performance server board for maximum reliability and manageability	High-performance server board for maximum reliability and manageability
Order Code	S5000PSLROMB	S5000PSLSAS	S5000PSLSATA
Intel® Server Chassis Support	Intel® Server Chassis SC5400 LX Intel® Server Chassis SC5400 BRP Intel® Server Chassis SC5400 Base Intel® Entry Server Chassis SC5299BRP Intel® Entry Server Chassis SC5299DP	Intel® Server Chassis SC5400 LX Intel® Server Chassis SC5400 BRP Intel® Server Chassis SC5400 Base Intel® Entry Server Chassis SC5299BRP Intel® Entry Server Chassis SC5299DP	Intel® Server Chassis SC5400 LX Intel® Server Chassis SC5400 BRP Intel® Server Chassis SC5400 Base Intel® Entry Server Chassis SC5299BRP Intel® Entry Server Chassis SC5299DP
Processor Support ¹	Dual-Core Intel® Xeon® Processor	Dual-Core Intel® Xeon® Processor	Dual-Core Intel® Xeon® Processor
Number of Processors Supported	2	2	2
System Bus Speed	667 MHz / 1066 MHz / 1333 MHz ³	667 MHz / 1066 MHz / 1333 MHz ³	667 MHz / 1066 MHz / 1333 MHz ³
Chipset	Intel® 5000P Server Chipset	Intel® 5000P Server Chipset	Intel® 5000P Server Chipset
Independent PCI Buses	6	7	6
Total Slots	6	6	6
Slot Types	3 x PCI Express* x8 1 x PCI Express x4 (x8 Connector) 2 x PCI-X 64-bit 100/133 MHz	2 x PCI Express* x8 2 x PCI Express x4 (x8 Connectors) 2 x PCI-X 64-bit 100/133 MHz	3 x PCI Express* x8 1 x PCI Express x4 (x8 Connector) 2 x PCI-X 64-bit 100/133 MHz
Memory Capacity	32GB ECC FBDIMMs (8 DIMMs)	32GB ECC FBDIMMs (8 DIMMs)	32GB ECC FBDIMMs (8 DIMMs)
Integrated SCSI	Not available	Not available	Not available
Integrated ATA	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices
Integrated Serial ATA	Enhanced support for 6-ports at 3Gb/s with RAID 0, 1, 10, and optional AXXRAKSW5 for RAID 5	2 3Gb/s SATA ports with RAID 0, 1, 10	Enhanced SATA provides 6-ports and RAID 0, 1, 10 with optional AXXRAKSW5 for RAID 5
Integrated Active SAS Controller	8-Port SAS via included ROMB card (Supports optional upgrade to hardware RAID 0, 1, 5, 10, 50)	4-Port SAS with Intel® Embedded RAID Technology II providing RAID 0, 1, 10, and optional AXXRAKSW5 for RAID 5	Not available
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATI* with 16MB memory	ATI* with 16MB memory	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.0 and Intel® Remote Management Module	Intel® System Management Software 1.0 and Intel® Remote Management Module	Intel® System Management Software 1.0 and Intel® Remote Management Module
Intel® RAID Support	With Intel® AXXRAK18E and DIMM provides intelligent SAS/SATA RAID 0, 1, 5, 10, and 50. Optional Intel® RAID Smart Battery back-up. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Intel® Embedded Server RAID Technology II provides RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Intel® Embedded Server RAID Technology II provides RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.

For more information, visit the Intel Web site at: www.intel.com/go/serverboards



Boards	Intel® Workstation Board S5000XVN (SAS)	Intel® Workstation Board S5000XVN (SATA)	Intel® Server Board S5000VSA (SAS)
	<i>High-performance dual processor workstation board</i>	<i>High-performance dual processor workstation board</i>	<i>Entry server board for small and medium businesses</i>
Order Code	S5000XVNSAS	S5000XVNSATA	S5000VNSAS
Intel® Server Chassis Support	Intel® Server Chassis SC5400 Base Intel® Entry Server Chassis SC5299WS	Intel® Server Chassis SC5400 Base Intel® Entry Server Chassis SC5299WS	Intel® Entry Server Chassis SC5299DP Intel® Entry Server Chassis SC5299BRP
Processor Support¹	Dual-Core Intel® Xeon® Processor	Dual-Core Intel® Xeon® Processor	Dual-Core Intel® Xeon® Processor
Number of Processors Supported	2	2	2
System Bus Speed	667 MHz / 1066 MHz / 1333 MHz ³	667 MHz / 1066 MHz / 1333 MHz ³	667 MHz / 1066 MHz / 1333 MHz ³
Chipset	Intel® 5000X Server Chipset	Intel® 5000X Server Chipset	Intel® 5000V Server Chipset
Independent PCI Buses	6	5	4
Total Slots	5	5	5
Slot Types	1 x PCI Express* x16 2 x PCI Express x4 (<i>x8 Connectors</i>) 2 x PCI-X 64-bit 100/133 MHz	1 x PCI Express* x16 1 x PCI Express x8 1 x PCI Express x4 (<i>x8 Connector</i>) 2 x PCI-X 64-bit 100/133 MHz	2 x PCI Express* x4 (<i>x8 Connectors</i>) 2 x PCI-X 64 MHz/133 MHz 1 x PCI 32-bit/33 MHz
Memory Capacity	32GB ECC FBDIMMs (<i>8 DIMMs</i>)	32GB ECC FBDIMMs (<i>8 DIMMs</i>)	16GB ECC FBDIMMs (<i>8 DIMMs</i>)
Integrated SCSI	Not available	Not available	Not available
Integrated ATA	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices
Integrated Serial ATA	2 3Gb/s SATA ports with RAID 0, 1, 10	6 3Gb/s SATA ports with RAID 0, 1, 10, and optional AXXRAKSW5 for RAID 5	2 3Gb/s SATA ports with RAID 0, 1, 10
Integrated Active SAS Controller	4-Port SAS with Intel® Embedded RAID Technology II providing RAID 0, 1, 10, and optional AXXRAKSW5 for RAID 5	Not available	4-Port SAS with Intel® Embedded Server RAID Technology II providing RAID 0, 1, 10, and optional AXXRAKSW5 for RAID 5
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	Not available	Not available	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.0	Intel® System Management Software 1.0	Intel® System Management Software 1.0
Intel® RAID Support	Intel® Embedded Server RAID Technology II provides RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Intel® Embedded Server RAID Technology II provides RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.



Boards	Intel® Server Board S5000VSA (SATA)	Intel® Server Board S5000VSA (SCSI)	Intel® Server Board S5000VSA (4 DIMM)
	<i>Entry server board for small and medium businesses</i>	<i>Entry server board for small and medium businesses</i>	<i>Entry server board for small and medium businesses</i>
Order Code	S5000VSA SATA	S5000VSA SCSI	S5000VSA 4DIMM
Intel® Server Chassis Support	Intel® Entry Server Chassis SC5299DP Intel® Entry Server Chassis SC5299BRP	Intel® Entry Server Chassis SC5299DP Intel® Entry Server Chassis SC5299BRP	Intel® Entry Server Chassis SC5299DP
Processor Support ¹	Dual-Core Intel® Xeon® Processor	Dual-Core Intel® Xeon® Processor	Dual-Core Intel® Xeon® Processor
Number of Processors Supported	2	2	2
System Bus Speed	667 MHz / 1066 MHz / 1333 MHz ³	667 MHz / 1066 MHz / 1333 MHz ³	667 MHz / 1066 MHz / 1333 MHz ³
Chipset	Intel® 5000V Server Chipset	Intel® 5000V Server Chipset	Intel® 5000V Server Chipset
Independent PCI Buses	4	4	4
Total Slots	5	5	5
Slot Types	2 x PCI Express* x4 (x8 Connectors) 2 x PCI-X 64 MHz/133 MHz 1 x PCI 32-bit/33 MHz	2 x PCI Express* x4 (x8 Connectors) 2 x PCI-X 64 MHz/133 MHz 1 x PCI 32-bit/33 MHz	2 x PCI Express* x4 (x8 Connectors) 2 x PCI-X 64 MHz/133 MHz 1 x PCI 32-bit/33 MHz
Memory Capacity	16GB ECC FBDIMMs (8 DIMMs)	16GB ECC FBDIMMs (8 DIMMs)	8GB ECC FBDIMMs (4 DIMMs)
Integrated SCSI	Not available	Single Channel SCSI Add-in Card at 133 MHz	Not available
Integrated ATA	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices
Integrated Serial ATA	Enhanced SATA provides 6-ports and RAID 0, 1, 10 with optional AXXRAKSW5 for RAID 5	Enhanced SATA provides 6-ports and RAID 0, 1, 10 with optional AXXRAKSW5 for RAID 5	6 channels (3Gbps) with support for RAID 0, 1, and 10
Integrated Active SAS Controller	Not available	Not available	Not available
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATI* with 16MB memory	ATI* with 16MB memory	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.0	Intel® System Management Software 1.0	Intel® System Management Software 1.0
Intel® RAID Support	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.



Boards	Intel® Server Board SE7320EP2	Intel® Server Board SE7525RP2	Intel® Server Board S5000PAL
	Entry server board for small and medium businesses	Dual-purpose server/workstation board supporting extreme I/O and graphics bandwidth	Outstanding performance, dependability, and manageability for high-density solutions
Order Code	SE7320EP2DG SE7320EP2SA4 (additional 4 port add-in SATA card)	SE7525RP2	S5000PAL
Intel® Server Chassis Support	Intel® Entry Server Chassis SC5295DP Intel® Entry Server Chassis SC5295BRP Intel® Server Chassis SC5275-E	Intel® Server Chassis SC5295WS Intel® Entry Server Chassis SC5295-E Intel® Entry Server Chassis SC5275-E	Intel® Server Chassis SR1500 (1U) Intel® Server Chassis SR1550 (1U Redundant) Intel® Server Chassis SR2500 (2U) Integrated systems also available
Processor Support ¹	Intel® Xeon® Processor	Intel® Xeon® Processor	Dual-Core Intel® Xeon® Processor
Number of Processors Supported	2	2	2
System Bus Speed	800 MHz	800 MHz	667 MHz / 800 MHz / 1333 MHz ³
Chipset	Intel® E7320 Chipset	Intel® E7525 Chipset	Intel® 5000P Chipset
Independent PCI Buses	3	4	4
Total Slots	5	6	5 (2U) 2 (1U)
Slot Types	1 x PCI Express* x4 2 x PCI-X 66 MHz 2 x PCI 32-bit/33 MHz 5V	1 x PCI Express* x16 1 x PCI Express x4 2 x PCI-X 66 MHz 2 x PCI 32-bit/33 MHz	PCI adapter cards are supported in the PCI-X and PCI-Express* formats and accessed through two riser slots: 1U Chassis: Up to two adapter card slots 2U Chassis: Up to five adapter card slots plus Intel® I/O Expansion Module.
Memory Capacity	8GB ECC DDR2 400 (4 DIMMs)	8GB ECC DDR2 400 (4 DIMMs)	32GB ECC Fully Buffered DDR2 (8 DIMMs)
Integrated SCSI	Not available	Not available	Not available
Integrated ATA	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices	1 channel supporting 1 IDE-100 Optical Drive
Integrated Serial ATA	Via Intel® Embedded RAID Technology	2 channels with support for RAID 0 and 1 ²	Enhanced SATA provides 6-ports and RAID 0, 1, 10 with optional AXXRASW5 for RAID 5
Integrated LAN	2 x Gigabit Ethernet connections	1 x Gigabit Ethernet connection	2 x Gigabit Ethernet connections
Integrated Graphics	ATI* with 8MB memory	ATI* with 8MB memory	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.0	Intel® System Management Software 1.0	Intel® System Management Software 1.0 with support for optional Intel® Remote Management Module
Intel® RAID Support	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.



Boards	Intel® Server Board S5000VCL	Intel® Entry Server Board S3000AHLX	Intel® Entry Server Board S3000AH
	<i>Essential server features for entry-level applications</i>	<i>Entry server board with essential server-class features</i>	<i>Entry server board with essential server-class features</i>
Order Code	S5000VCL	S3000AHLX	S3000AHLX
Intel® Server Chassis and Platform Support	Intel® Server Chassis SR1530	Intel® Server Chassis SC5259UP Intel® Server Platform SR1530AHLX Intel® Server Platform SR1530HAHLX	Intel® Server Chassis SC5259UP Intel® Server Platform SR1530AH
Processor Support ¹	Dual-Core Intel® Xeon® Processor 5100 Series	Intel® Xeon®, Intel® Pentium® D, Intel® Pentium® Extreme Edition, Intel® Pentium® 4, and Intel® Celeron® D Processors	Intel® Xeon®, Intel® Pentium® D, Intel® Pentium® Extreme Edition, Intel® Pentium® 4, and Intel® Celeron® D Processors
Number of Processors Supported	2	1	1
System Bus Speed	1033 MHz / 1066 MHz	1066 MHz / 800 MHz	1066 MHz / 800 MHz
Chipset	Intel® 5000V Chipset	Intel® 3000 Server Chipset	Intel® 3000 Server Chipset
Independent PCI Buses	4	6	5
Total Slots	2	5	5
Slot Types	1 x PCI Express* x1 1 x PCI-X 64-bit/133 MHz 2 x PCI 32-bit/33 MHz 1 x Intel® Adaptive Slot supporting PCI Express x8 or PCI-X 64-bit/133 MHz	1 x PCI Express* x1 1 x PCI-X 64-bit/133 MHz 2 x PCI 32-bit/33 MHz 1 x Intel® Adaptive Slot supporting PCI Express x8 or PCI-X 64-bit/133 MHz	1 x PCI Express* x8 1 x PCI Express x4 1 x PCI Express x1 2 x PCI 32-bit/33 MHz
Memory Capacity	Dual memory-channel architecture supporting six Fully Buffered ECC DIMMs (12 GB Max)	Dual memory-channel, four DIMM slots for DDR2 533/667 Unbuffered ECC/non-ECC DIMMs (8 GB Max)	Dual memory-channel, four DIMM slots for DDR2 533/667 Unbuffered ECC/non-ECC DIMMs (8 GB Max)
Integrated SCSI	Not available	Not available	Not available
Integrated ATA	1 ATA 100 connector for Optical Drive Support	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices
Integrated Serial ATA	6-Port SATA (3Gbps)	4 SATA ports at 3.0 Gb/s	4 SATA ports at 3.0 Gb/s
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATI* with 16MB memory	ATI* with 16MB memory	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.0	Intel® System Management Software 1.5	Intel® System Management Software 1.5
Intel® RAID Support	Embedded RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Embedded RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Embedded RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.



Boards	Intel® Entry Server Board S3000AHV	Intel® Workstation Board S975XBX2	Intel® Server Board S3000PT
	<i>Entry server board with essential server-class features</i>	<i>Essential features for entry level workstations</i>	<i>Small form factor server board for HPC and applications servers</i>
Order Code	S3000AHV	S975XBX2	S3000PT
Intel® Server Chassis and Platform Support	Intel® Server Chassis SC5259UP	3rd party ATX Chassis	N/A - 3rd party reference chassis
Processor Support ¹	Intel® Xeon®, Intel® Pentium® D, Intel® Pentium® 4, and Intel® Celeron® D Processors	Intel® Core™2 Extreme Edition, Intel® Core™2 Quad⁴, Intel® Core™2 Duo, Intel® Pentium® Extreme Edition, Intel® Pentium® D, Intel® Pentium® 4 Extreme Edition, and Intel® Pentium® 4 processors in the LGA775 package	Intel® Xeon® 3000 Series, Intel® Pentium® D, Intel® Pentium® Extreme Edition, Intel® Pentium® 4, and Intel® Celeron® D Processors
Number of Processors Supported	1	1	1
System Bus Speed	1066 MHz / 800 MHz	1066 MHz	1066 MHz / 800 MHz
Chipset	Intel® 3000 Server Chipset	Intel® 975X Express Chipset	Intel® 3000 Server Chipset
Independent PCI Buses	4	5	1
Total Slots	4	5	1
Slot Types	1 x PCI Express* x8 1 x PCI Express x4 2 x PCI 32-bit/33 MHz	1 PCI Express* x16 (electrical x16/x8) 1 PCI Express x16 (electrical x8) 1 PCI Express x16 (electrical x4) 2 PCI 32-bit/33 MHz	1 x PCI Express* x8
Memory Capacity	Dual memory-channel, four DIMM slots for DDR2 533/667 Unbuffered ECC/non-ECC DIMMs (8 GB Max)	DDR2 800 SDRAM, Dual-channel (8 GB Max)	Dual memory-channel, four DIMM slots for DDR2 533/667 Unbuffered ECC/non-ECC DIMMs (8 GB Max)
Integrated SCSI	Not available	Not available	Not available
Integrated ATA	1 channel supporting up to 2 IDE devices	1 channel	Not available
Integrated Serial ATA	4 SATA ports at 3.0 Gb/s	4 SATA ports (3.0 Gbps), Discrete SATA RAID Controller with 4 additional SATA ports (3.0 Gbps)	2 SATA ports at 3.0 Gb/s
Integrated LAN	1 x Gigabit Ethernet connection	Intel® PRO 10/100/1000 Network Connection	2 x Gigabit Ethernet connections
Integrated Graphics	ATI* with 16MB memory	Not available	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.5	Intel® Active Management Technology	Intel® Active Management Technology
Intel® RAID Support	Embedded RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, and Matrix RAID). Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Embedded RAID 0, 1. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board



Boards	Intel® Entry Server Board SE7230NH1LX	Intel® Entry Server Board SE7230NH1	Intel® Server Board SE7320VP2
	<i>Essential server features for entry-level applications</i>	<i>Essential server features for entry-level applications</i>	<i>High density optimized server board for entry-level parallel computing and front-end solutions</i>
Order Code	SE7230NH1LX	SE7230NH1	SE7320VP2D2
Intel® Server Chassis and Platform Support	Intel® Server Chassis SC5259UP Intel® Server Platform SR1475	Intel® Server Chassis SC5259UP	Intel® Server Platform SR1435VP2 (see 1U platform section for details) Intel® Server Chassis SR2400 (2U)
Processor Support¹	Intel® Pentium® D, Intel® Pentium® Extreme Edition, Intel® Pentium® 4, and Intel® Celeron® D Processors	Intel® Pentium® D, Intel® Pentium® Extreme Edition, Intel® Pentium® 4, and Intel® Celeron® D Processors	Intel® Xeon® Processor
Number of Processors Supported	1	1	2
System Bus Speed	1066 MHz / 800 MHz	1066 MHz / 800 MHz	800 MHz
Chipset	Intel® E7230 Chipset	Intel® E7230 Chipset	Intel® E7320 Chipset
Independent PCI Buses	5	5	4
Total Slots	5	5	1 x Intel® Adaptive Slot
Slot Types	1 x PCI Express* x1 1 x PCI-X 64-bit/133 MHz 2 x PCI 32-bit/33 MHz 1 x Intel® Adaptive Slot supporting PCI Express x8 or PCI-X 64-bit/133 MHz	1 x PCI Express* x8 1 x PCI Express x4 1 x PCI Express x1 2 x PCI 32-bit/33 MHz	1U <i>Option One:</i> 1 x PCI Express* x4 and 1 x PCI-X 66 MHz <i>Option Two:</i> 2 x PCI-X 66 MHz 2U 1 x PCI Express x4 and 3 x PCI-X 66 MHz
Memory Capacity	Dual memory-channel, four DIMM slots for DDR2 400/533/667 Unbuffered ECC/non-ECC DIMMs (8 GB Max)	Dual memory-channel, four DIMM slots for DDR2 400/533/667 Unbuffered ECC/non-ECC DIMMs (8 GB Max)	12GB ECC DDR2 400 (6 DIMMs)
Integrated SCSI	Not available	Not available	Not available
Integrated ATA	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices	Not available
Integrated Serial ATA	4 SATA ports	4 SATA ports	2 channels with support for RAID 0 and 1 ²
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATI* with 16MB memory	ATI* with 16MB memory	ATI* with 8MB memory
Server Management Support	Intel® System Management Software 1.0	Intel® System Management Software 1.0	Intel® System Management Software 1.0
Intel® RAID Support	Embedded RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Embedded RAID 0, 1, and 10. Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.

¹ Refer to <http://support.intel.com/support/motherboards/server> for up-to-date details on processors supported by each server board.

² RAID support dependant upon operating system, please see <http://support.intel.com/support/motherboards/server> for up-to-date details on this feature.

³ 1333 MHz support may require updates that may not be available at launch.

⁴ May require latest board revision, visit www.intel.com/products/desktop/motherboard/index.htm for more information.

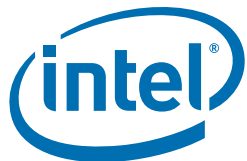
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0107/MS/VD January 2007



INTEL® SERVER CHASSIS



**Intel® Server Chassis
SC5400**

Maximum reliability, scalability, and manageability in a highly versatile Intel® server chassis

Chassis	Intel® Server Chassis SC5400		
Configuration	Base	BRP	LX
Chassis Order Code¹	SC5400BASE SC5400BASENA	SC5400BRP SC5400BRPNA	SC5400LX SC5400LXNA
Spares Kit Order Code	Maintenance kit: ARIG2PMKIT	Maintenance kit: ARIG2PMKIT	Maintenance kit: ARIG2PMKIT
Form Factor	Pedestal or 5U rack <i>(Requires rack conversion kit ARIGRACK)</i>	Pedestal or 5U rack <i>(Requires rack conversion kit ARIGRACK)</i>	Pedestal or 5U rack <i>(Requires rack conversion kit ARIGRACK)</i>
Intel® Server Board Support²	Intel® Server Boards S5000PSL and S5000XVN	Intel® Server Board S5000PSL	Intel® Server Board S5000PSL
Drive Bays	One toolless fixed drive bay for up to six fixed drives Optional hot-swap/toolless drive bays available: 6-drive SAS/SATA	One toolless fixed drive bay for up to six fixed drives Optional hot-swap/toolless drive bays available: 6-drive SAS/SATA, 4-drive SAS/SATA Optional 4-drive toolless fixed drive bay	One toolless fixed drive bay for up to six fixed drives Optional hot-swap/toolless drive bays available: 6-drive SAS/SATA, 4-drive SAS/SATA Optional 4-drive toolless fixed drive bay
Hot-Swap Disk Drive Bay: Order Code	Up to six hot-swap drive bays via the following hot-swap disk drive bay upgrade kits: 6 drive SAS/SATA—AXX6DRV3G 6 drive SAS/SATA Expander—AXX6DRV3GEXP	Up to ten hot-swap drive bays are possible with the combination of the following drive bay upgrade kits: 6 drive SAS/SATA—AXX6DRV3G 6 drive SAS/SATA Expander—AXX6DRV3GEXP 4 drive SAS/SATA—AXX4DRV3G 4 drive SAS/SATA Expander—AXX4DRV3GEXP	Up to ten hot-swap drive bays are possible with the combination of the following drive bay upgrade kits: 6 drive SAS/SATA—AXX6DRV3G 6 drive SAS/SATA Expander—AXX6DRV3GEXP 4 drive SAS/SATA—AXX4DRV3G 4 drive SAS/SATA Expander—AXX4DRV3GEXP
System Cooling	Includes two system fans plus one power supply fan	Includes two system fans plus one power supply fan	Supports redundant cooling with four high-flow system fans plus up to two power supply fans
Power Supply	670-watt PFC	830-watt, dual-line cord, 1+1 PFC	830-watt, dual-line cord, 1+1 PFC
Redundant Power Capable	Yes <i>(via upgrade kit)</i>	Yes <i>(fully redundant configuration requires second power module FXX830WPSU)</i>	Yes <i>(fully redundant configuration requires second power module FXX830WPSU)</i>
Toolless Features	Fixed hard drive install and removal Fixed or hot-swap drive bays 5.25 Peripheral install and removal Optional Rack rails Optional Cable management arm	Fixed hard drive install and removal Fixed or hot-swap drive bays 5.25 Peripheral install and removal Optional Rack rails Optional Cable management arm	Fixed hard drive install and removal Fixed or hot-swap drive bays 5.25 Peripheral install and removal Cooling fans Optional Rack rails Optional Cable management arm
Dimensions (H x W x D)	17.5" (445 mm) x 8.6" (218 mm) x 26.9" (683 mm)	17.5" (445 mm) x 8.6" (218 mm) x 26.9" (683 mm)	17.5" (445 mm) x 8.6" (218 mm) x 26.9" (683 mm)
Bezel Features	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPPED
Front Connectors	2 x USB 1 x Serial	2 x USB 1 x Serial	2 x USB 1 x Serial



**Intel® Server Chassis
SC5300**

Maximum reliability, scalability, and manageability in a highly versatile Intel® server chassis

Configuration	Base	BRP	LX
Chassis Order Code¹	SC5300BASE SC5300BASENA	SC5300BRP SC5300BRPNA	SC5300LX SC5300LXNA
Spares Kit Order Code	Maintenance kit: ARIGPMKIT	Maintenance kit: ARIGPMKIT	Maintenance kit: ARIGPMKIT
Form Factor	Pedestal or 5U rack <i>(Requires rack conversion kit ARIGRACK)</i>	Pedestal or 5U rack <i>(Requires rack conversion kit ARIGRACK)</i>	Pedestal or 5U rack <i>(Requires rack conversion kit ARIGRACK)</i>
Intel® Server Board Support²	Intel® Server Boards SE7520AF2, SE7520BD2, SE7530GP2, and SE7520SP2	Intel® Server Boards SE7520AF2 and SE7520BD2	Intel® Server Boards SE7520AF2 and SE7520BD2
Drive Bays	Two unique drive bays supporting SCSI, SATA, or IDE drives; one 6 drive bay and one 4 drive bay ³ 3 x 5.25" bays	Two unique drive bays supporting SCSI, SATA, or IDE drives; one 6 drive bay and one 4 drive bay ³ 3 x 5.25" bays	Two unique drive bays supporting SCSI, SATA, or IDE drives; one 6 drive bay and one 4 drive bay ³ 3 x 5.25" bays
Hot-Swap Disk Drive Bay: Order Code	Up to six hot-swap drive bays ⁴ via the following hot-swap disk drive bay upgrade kits: 6 drive SCSI—AXX6SCSIDB 4 drive SCSI—AXX4SCSIDB 6 drive Serial ATA—AXX6SASDB	Up to ten hot-swap drive ⁴ bays are possible with the combination of the following drive bay upgrade kits: 6 drive SCSI—AXX6SCSIDB 4 drive SCSI—AXX4SCSIDB 6 drive Serial ATA—AXX6SASDB	Up to ten hot-swap drive ⁴ bays are possible with the combination of the following drive bay upgrade kits: 6 drive SCSI—AXX6SCSIDB 4 drive SCSI—AXX4SCSIDB 6 drive Serial ATA—AXX6SASDB
System Cooling	Includes two high-flow system fans plus one power supply fan	Includes two high-flow system fans plus one power supply fan	Supports hot-swap redundant cooling with four high-flow system fans plus up to two power supply fans
Power Supply	600-watt PFC	730-watt, dual-line cord, 1+1 PFC	730-watt, dual-line cord, 1+1 PFC
Redundant Power Capable	Yes <i>(via upgrade kit)</i>	Yes <i>(fully redundant configuration requires second power module FXX730WPSU)</i>	Yes <i>(fully redundant configuration requires second power module FXX730WPSU)</i>
Toolless Features	Fixed hard drive install and removal Fixed or hot swap drive bays 5.25 Peripheral install and removal Rack rails Cable management arm	Fixed hard drive install and removal Fixed or hot swap drive bays 5.25 Peripheral install and removal Cooling fans Rack rails Cable management arm	Fixed hard drive install and removal Fixed or hot swap drive bays 5.25 Peripheral install and removal Cooling fans Rack rails Cable management arm
Dimensions (H x W x D)	17.5" (445 mm) x 8.6" (218 mm) x 26.9" (683 mm)	17.5" (445 mm) x 8.6" (218 mm) x 26.9" (683 mm)	17.5" (445 mm) x 8.6" (218 mm) x 26.9" (683 mm)
Bezel Features	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED
Front Connectors	2 x USB 1 x Serial	2 x USB 1 x Serial	2 x USB 1 x Serial



**Intel® Server Chassis
SC5299-E**

A reliable, quiet, and flexible server chassis for entry level server and workstation applications

Chassis

Configuration	WS	BRP	DP
Chassis Order Code¹	SC5299WS SC5299WSNA	SC5299BRP SC5299BRPNA	SC5299DP SC5299DPNA
Spares Kit Order Code	Maintenance kit: FPP4PMKIT	Maintenance kit: FPP4PMKIT	Maintenance kit: FPP4PMKIT
Form Factor	Pedestal and Rack	Pedestal and Rack	Pedestal and Rack
Intel® Server Board Support²	Intel® Server Board S5000XVN	Intel® Server Boards S5000PSL and S5000VSA	Intel® Server Boards S5000PSL and S5000VSA
Drive Bays	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays
Hot-Swap Disk Drive Bay: Order Code	Optional six hot-swap drive bays via one of the following hot-swap disk drive bay upgrade kits: 6 drive SAS/SATA Expander—AXX6DRV3GEXP 6 drive SAS/SATA—AXX6DRV3G	One fixed drive bay for up to six fixed drives Optional six hot-swap drive bays via one of the following hot-swap disk drive bay upgrade kits: 6 drive SAS/SATA Expander—AXX6DRV3GEXP 6 drive SAS/SATA—AXX6DRV3G	One fixed drive bay for up to six fixed drives Optional six hot-swap drive bays via one of the following hot-swap disk drive bay upgrade kits: 6 drive SAS/SATA Expander—AXX6DRV3GEXP 6 drive SAS/SATA—AXX6DRV3G
System Cooling	One toolless system fan and one fixed drive bay cooling fan	One toolless system fan	One toolless system fan
Power Supply	670-watt PFC	650-watt 1+1 PFC	550-watt PFC
Redundant Power Capable	No	Yes (Optional second power supply sold separately)	No
Toolless Features	Peripheral bays, fixed hard drive bay, optional hot-swap bays, system fan, PCI slots	Peripheral bays, fixed hard drive bay, optional hot-swap bays, power supplies, system fan, PCI slots	Peripheral bays, fixed hard drive bay, optional hot-swap bays, system fan, PCI slots
Pedestal Dimensions (H x W x D)	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)
Rack Dimensions (H x W x D)	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)
Bezel Features	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPPED
Front Connectors	2 x USB	2 x USB	2 x USB



**Intel® Server Chassis
SC5295-E**

A reliable and flexible server chassis for entry level server and workstation applications

Chassis	Intel® Server Chassis SC5295-E			
Configuration	WS	BRP	DP	UP
Chassis Order Code¹	SC5295WS SC5295WSNA	SC5295BRP SC5295BRPNA	SC5295DP SC5295DPNA	SC5295UP SC5295UPNA
Spares Kit Order Code	Maintenance kit: FPP3PMKIT	Maintenance kit: FPP3PMKIT	Maintenance kit: FPP3PMKIT	Maintenance kit: FPP3PMKIT
Form Factor	Pedestal and Rack	Pedestal and Rack	Pedestal and Rack	Pedestal and Rack
Intel® Server Board Support²	Intel® Server Board SE7525RP2	Intel® Server Boards SE7520BD2 and SE7320EP2	Intel® Server Boards SE7520BD2 and SE7320EP2	Intel® Server Board SE7230NH1
Drive Bays	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays
Hot-Swap Disk Drive Bay: Order Code	Up to six hot-swap drive bays ⁴ via the following hot-swap disk drive bay upgrade kits: 6 drive SCSI—AXX6SCSIDB 6 drive Serial ATA—AXX6SASDB	Up to six hot-swap drive bays ⁴ via the following hot-swap disk drive bay upgrade kits: 6 drive SCSI—AXX6SCSIDB 6 drive Serial ATA—AXX6SASDB	Up to six hot-swap drive bays ⁴ via the following hot-swap disk drive bay upgrade kits: 6 drive SCSI—AXX6SCSIDB 6 drive Serial ATA—AXX6SASDB	—
System Cooling	One fixed system fan, plus one power supply fan	One fixed system fans plus one power supply fan	One fixed system fans plus one power supply fan	One fixed system fan, plus one power supply fan
Power Supply	600-watt PFC	500-watt PFC	420-watt PFC	350-watt PFC
Redundant Power Capable	No	Yes	No	No
Toolless Features	Chassis side cover, peripheral bays, fixed hard drive bay, optional hot-swap bays, power supplies, system fan, PCI slots	Chassis side cover, peripheral bays, fixed hard drive bay, optional hot-swap bays, power supplies, system fan, PCI slots	Chassis side cover, peripheral bays, fixed hard drive bay, optional hot-swap bays, power supplies, system fan, PCI slots	Chassis side cover, peripheral bays, fixed hard drive bay, optional hot-swap bays, power supplies, system fan, PCI slots
Pedestal Dimensions (H x W x D)	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)
Rack Dimensions (H x W x D)	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)
Bezel Features	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED
Front Connectors	2 x USB	2 x USB	2 x USB	2 x USB



Chassis	Intel® Server Chassis SC5275-E	Intel® Server Chassis SR2400	Intel® Server Chassis SR1450	Intel® Server Chassis SR1400
	A reliable and flexible server chassis for entry level server and workstation applications	A flexible and serviceable 2U rack-optimized chassis for performance-intensive and storage demanding solutions	A 1U rack-optimized hot-swap redundant power chassis for high-performance solutions in high-density clusters	A flexible 1U rack-optimized chassis for performance-intensive solutions and high-density clusters
Configuration				
Chassis Order Code¹	SC5275E SC5275ENA	SR2400 SR2400NA	SR1450 SR1450NA	SR1400 SR1400NA
Spares Kit Order Code	Maintenance kit: FPT2PMKIT Cooling kit: APT2WKTCOOLKIT	2U Electrical Spare Kit: ADR2UEESPRKIT 2U Mechanical Spare Kit: ADR2UCHSPRKIT	1U Electrical Spare Kit: APL1UEESPRKIT 1U Mechanical Spare Kit: APL1UCHSPRKIT	1U Electrical Spare Kit: ADW1UEESPRKIT 1U Mechanical Spare Kit: ADW1UCHSPRKIT
Form Factor	Pedestal only	2U rack	1U rack	1U rack
Intel® Server Board Support²	Intel® Server Boards SE7520BD2, SE7320SP2, and SE7525GP2	Intel® Server Boards SE7520JR2 and SE7320VP2	Intel® Server Board SE7520JR2	Intel® Server Boards SE7520JR2 and SE7320VP2
Drive Bays	6 x fixed SCSI or IDE 1 x 3.5" floppy 2 x 5.25" bays	6 x hot-swap Ultra320 SCSI or SATA or 3x fixed drives Optional slim-line CD-ROM/DVD or floppy	3 x hot-swap Ultra320 SCSI or SATA drives Optional slim-line CD-ROM/DVD or floppy	3 x hot-swap Ultra320 SCSI or SATA or fixed drives Optional slim-line CD-ROM/DVD or floppy
Hot-Swap Disk Drive Bay: Order Code	—	SCSI Backplane Kit: A2400SCSIKIT SATA Backplane Kit: A2400SATAKIT Fixed Drive Kit: AFIXDRVKIT	SCSI Backplane Kit: A1450SCSIKIT SATA Backplane Kit: A1450SATAKIT	SCSI Backplane Kit: A1400SCSIKIT SATA Backplane Kit: A1400SATAKIT Fixed Drive Kit: AFIXDRVKIT
System Cooling	Supports two fixed system fans plus one power supply fan	Supports optional redundant cooling with up to eight system fans and two power supply fans	Supports five system fans plus two power supply fans	Supports five system fans plus two power supply fans
Power Supply	600-watt PFC Intel validated PSU with integrated cooling fan	700-watt, dual-line cord 1+1 PFC	520-watt PFC	500-watt PFC
Redundant Power Capable	No	Yes (fully redundant configuration requires second power module ADR700WPS)	Yes	No
Toolless Features	MMM	Cooling fan replacement, front panel, cable management arm, PCI-X and PCI Express* risers, PCI assembly, PCI retention, CD and floppy, power supply modules, hot-swap disk drives, power distribution board, and rack slide rails	Cooling fan replacement, front panel, cable management arm, PCI-X and PCI Express* risers, PCI assembly, PCI retention, CD and floppy, hot-swap disk drives, and rack slide rails	Cooling fan replacement, front panel, cable management arm, PCI-X and PCI Express* risers, PCI assembly, PCI retention, CD and floppy, hot-swap disk drives, and rack slide rails
Dimensions (H x W x D)	17.8" (452 mm) x 9.3" (236 mm) x 19.2" (488 mm)	3.4" (86 mm) x 16.9" (429 mm) x 26.5" (673 mm)	1.7" (43 mm) x 16.9" (429 mm) x 26.5" (673 mm)	1.7" (43 mm) x 16.9" (429 mm) x 26.5" (673 mm)
Bezel Features	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPPED	Black, Support for Intel® Local Control Panel: AXXLCPRACK Front Panel: AXXRACKFP	Lockable, Black, Support for Intel® Local Control Panel: APLLCDBEZEL Front Panel: APLBEZBLACK	Black, Support for Intel® Local Control Panel: AXXLCPRACK Front Panel: AXXRACKFP
Front Connectors	2 x USB	2 x USB 1 x Serial	1 x USB	2 x USB 1 x Serial

¹ North American power cord included in order codes ending in NA, power cord not included in all other order codes.

² Refer to <http://support.intel.com/support/motherboards/server> for up-to-date details on server boards supported by each chassis.

³ The 6 drive bay is standard with both SC5300BASE and SC5300LX. The 4 drive bay is available as an optional accessory. Floppy disk drive installation kit included with chassis.

⁴ Installation of hot-swap drive bay upgrade will decrease the number of fixed drives supported by this chassis.

⁵ The SC5200 is able to support up to three drive bays. The shipping configuration includes two sets of rails; additional rails are available with product code FHDZHWT.

⁶ Optional CD-ROM/floppy-drive module order code: AXXCDFLOPPY. Optional DVD/floppy-drive module order code: AXXDVFLOPPY. Adding either module uses one SCSI drive bay.

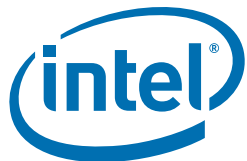
⁷ DC power supply now available (450-watt max output). Requires DC power supply cage TLPDCCAGE02. One or two hot-swap power modules required (redundancy requires two modules), order code TLPDPCSU002.

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0107/MS/VD **January 2007**



INTEL® SERVER SYSTEMS



System	Intel® Server System SR1500AL	Intel® Server System SR1500ALSAS	Intel® Server System SR1550AL
	<i>1U rack-optimized server system for flexible high-density server solutions</i>	<i>1U rack-optimized server system for flexible high-density server solutions</i>	<i>1U rack-optimized server system for flexible high-density server solutions with optional power redundancy</i>
Order Code¹	SR1500AL	SR1500ALSAS	SR1550AL
Components Included	<ul style="list-style-type: none"> Intel® Server Board S5000PAL Intel® Server Chassis SR1500 One low profile PCI Express* riser, one full height/full length PCI Express riser Passive SAS/SATA backplane Standard control panel Pre-routed cables 	<ul style="list-style-type: none"> Intel® Server Board S5000PAL Intel® Server Chassis SR1500 One low profile PCI Express* riser, one full height/full length PCI Express riser SAS/SATA backplane with integrated SAS Controller Standard control panel Pre-routed cables 	<ul style="list-style-type: none"> Intel® Server Board S5000PAL Intel® Server Chassis SR1550 One low profile PCI Express* riser, one full height/full length PCI Express riser Passive SAS/SATA midplane Standard control panel Pre-routed cables 1 (of 2) 650-watt power supplies
Number of Processors Supported	2	2	2
Processor Support²	Multi-Core Intel® Xeon® processor	Multi-Core Intel® Xeon® processor	Multi-Core Intel® Xeon® processor
System Bus Speed	667 MHz, 1066 MHz, and 1333 MHz ⁴	667 MHz, 1066 MHz, and 1333 MHz ⁴	667 MHz, 1066 MHz, and 1333 MHz ⁴
Chipset	Intel® 5000P Chipset	Intel® 5000P Chipset	Intel® 5000P Chipset
PCI Buses	4	4	4
Total Slots	2	2	2
Slot Types	2 x PCI Express x8 Optional Support: 1 x PCI-X 133 MHz plus Intel® I/O Expansion Module	2 x PCI Express x8 Optional Support: 1 x PCI-X 133 MHz plus Intel® I/O Expansion Module	2 x PCI Express x8 Optional Support: 1 x PCI-X 133 MHz plus Intel® I/O Expansion Module
Memory Capacity	32GB ECC Fully Buffered DDR2 (8 DIMMs)	32GB ECC Fully Buffered DDR2 (8 DIMMs)	32GB ECC Fully Buffered DDR2 (8 DIMMs)
Backplane	Hot-swap SAS/SATA passive backplane. Server board has Intel® Embedded Server RAID Technology II via the ESB2 SATA controller providing RAID 0, 1, and 10 with optional AXXRASW5 for RAID 5.	Hot-swap SAS/SATA backplane with Intel® Embedded Server RAID Technology II via a 4 port SAS controller providing RAID 0, 1, and 10 with optional AXXRASW5 for RAID 5.	Hot-swap SAS/SATA passive midplane. Server board has Intel® Embedded Server RAID Technology II via the ESB2 SATA controller providing RAID 0, 1, and 10.
Integrated LAN	2 x Intel® PRO/1000 EB Ethernet connections	2 x Intel® PRO/1000 EB Ethernet connections	2 x Intel® PRO/1000 EB Ethernet connections
Integrated Graphics	ATI* with 16MB memory	ATI* with 16MB memory	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.5 with support for optional Intel® Remote Management Module	Intel® System Management Software 1.5	Intel® System Management Software 1.5
Intel® RAID Controller Compatibility (Order Code)³	SRCS28X SRCS16 SRCSAS18E	—	SRCS28X SRCS16 SRCSAS18E
Form Factor	1U Rack	1U Rack	1U Rack
Drive Bays	3 x hot-swap SAS/SATA Optional slim-line CD-ROM/USB-Floppy	3 x hot-swap SAS/SATA Optional slim-line CD-ROM/USB-Floppy	Up to 8 x 2.5" hot-swap SAS/SATA Optional slim-line CD-ROM
System Cooling	Supports five system fans	Supports five system fans	Supports five system fans
Power Supply	600-watt, non-redundant PFC	600-watt, non-redundant PFC	650-watt, dual-line cord 1+1 PFC (<i>fully redundant configuration requires second power module, order code ASR1550PS</i>)
Dimensions (H x W x D)	1.703" (43 mm) x 16.93" (430 mm) x 27.25" (692 mm)	1.703" (43 mm) x 16.93" (430 mm) x 27.25" (692 mm)	1.703" (43 mm) x 16.93" (430 mm) x 25.76" (654 mm)

For more information, visit the Intel Web site at: www.intel.com/go/serversystems



System	Intel® Server System SR1550ALSAS	Intel® Server System SR2500ALBRP	Intel® Server System SR2500ALLX
	<i>1U rack-optimized server system for flexible high-density server solutions with optional power redundancy</i>		
Order Code¹	SR1550ALSAS	SR2500ALBRP	SR2500ALLX
Components Included	<ul style="list-style-type: none"> Intel® Server Board S5000PAL Intel® Server Chassis SR1550 One low profile PCI Express* riser, one full height/full length PCI Express riser SAS/SATA midplane with integrated 8 port SAS Controller Standard control panel Pre-routed cables 1 (of 2) 650-watt power supplies 	<ul style="list-style-type: none"> Intel® Server Board S5000PAL Intel® Server Chassis SR2500 One 2 slot low profile PCI Express* riser, one full height/full length PCI Express/PCI-X riser Passive SAS/SATA midplane Standard control panel Pre-routed cables 1 (of 2) 750-watt power supplies 	<ul style="list-style-type: none"> Intel® Server Board S5000PAL Intel® Server Chassis SR2500 One 2 slot low profile PCI Express* riser, one full height/full length PCI Express/PCI-X riser SAS/SATA midplane with integrated 8 port SAS Controller Standard control panel Pre-routed cables 1 (of 2) 750-watt power supplies
Number of Processors Supported	2	2	2
Processor Support²	Multi-Core Intel® Xeon® processor	Multi-Core Intel® Xeon® processor	Multi-Core Intel® Xeon® processor
System Bus Speed	667 MHz, 1066 MHz, and 1333 MHz ⁴	667 MHz, 1066 MHz, and 1333 MHz ⁴	667 MHz, 1066 MHz, and 1333 MHz ⁴
Chipset	Intel® 5000P Chipset	Intel® 5000P Chipset	Intel® 5000P Chipset
PCI Buses	4	4	4
Total Slots	2	5	5
Slot Types	2 x PCI Express x8 Optional Support: 1 x PCI-X 133 MHz plus Intel® I/O Expansion Module	3 full height, full length slots; 1 x PCI-X 133 MHz plus Intel® I/O Expansion Module, 2 x PCI Express. 2 low profile PCI Express	3 full height, full length slots; 1 x PCI-X 133 MHz plus Intel® I/O Expansion Module, 2 x PCI Express. 2 low profile PCI Express
Memory Capacity	32GB ECC Fully Buffered DDR2 (8 DIMMs)	32GB ECC Fully Buffered DDR2 (8 DIMMs)	32GB ECC Fully Buffered DDR2 (8 DIMMs)
Backplane	SAS/SATA midplane with Intel® Integrated Server RAID module. Capable of RAID 0, 1, and 10. With AXXRAK18E and AXXMINIDIMM provides intelligent RAID 0, 1, 5, 10, and 50. Optional chassis mount Intel® RAID Smart Battery.	Hot-swap Passive SAS/SATA midplane with Intel® Embedded Server RAID Technology II available from the 6 port ESB2 SATA controller providing RAID 0, 1, and 10.	SAS/SATA midplane with Intel® Integrated Server RAID module. Capable of RAID 0, 1, and 10. With AXXRAK18E and AXXMINIDIMM provides intelligent RAID 0, 1, 5, 10, and 50. Optional chassis mount Intel® RAID Smart Battery.
Integrated LAN	2 x Intel® PRO/1000 EB Ethernet connections	2 x Intel® PRO/1000 EB Ethernet connections	2 x Intel® PRO/1000 EB Ethernet connections
Integrated Graphics	ATI* with 16MB memory	ATI* with 16MB memory	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.5	Intel® System Management Software 1.5	Intel® System Management Software 1.5
Intel® RAID Controller Compatibility (Order Code)³	Intel® Integrated Server RAID available via the AXXRAK18E and AXXMINIDIMM	SRCS28X SRCS16 SRCSAS18E	Intel® Integrated Server RAID available via the AXXRAK18E and AXXMINIDIMM
Form Factor	1U Rack	2U Rack	2U Rack
Drive Bays	Up to 8 x 2.5" hot-swap SAS/SATA Optional slim-line CD-ROM	Up to 6 x hot-swap SAS/SATA Optional slim-line CD-ROM/USB-Floppy	Up to 6 x hot-swap SAS/SATA Optional slim-line CD-ROM/USB-Floppy
System Cooling	Supports five system fans	Supports three system fans	Supports six system fans (<i>redundant and hot-swappable</i>)
Power Supply	650-watt, dual-line cord 1+1 PFC (<i>fully redundant configuration requires a second power module, order code ASR1550PS</i>)	750-watt, dual-line cord 1+1 PFC (<i>fully redundant configuration requires a second power module, order code ASR2500PS</i>)	750-watt, dual-line cord 1+1 PFC (<i>fully redundant configuration requires a second power module, order code ASR2500PS</i>)
Dimensions (H x W x D)	1.703" (43 mm) x 16.93" (430 mm) x 25.76" (654 mm)	3.44" (87 mm) x 16.93" (430 mm) x 27.95" (710 mm)	3.44" (87 mm) x 16.93" (430 mm) x 27.95" (710 mm)



System	Intel® Server System SR1530AHLX	Intel® Server System SR1530AH	Intel® Server System SR1530CL
Order Code ¹	SR1530AHLX SR1530AHLXNA	SR1530AH SR1530AHNA	SR1530CL
Components Included	<ul style="list-style-type: none"> Intel® Server Board S3000AHLX Intel® Server Chassis with 350-watt power supply System fan and cooling blowers with duct Intel® 1U heatsink CD and HDD assemblies Pre-routed cables 	<ul style="list-style-type: none"> Intel® Server Board S3000AH Intel® Server Chassis with 350-watt power supply System fan and cooling blowers with duct Intel® 1U heatsink CD and HDD assemblies Pre-routed cables 	<ul style="list-style-type: none"> Intel® Server Board S5000VCL (SATA) Intel® Server Chassis SR1530 400-watt non-redundant power supply One riser card supporting 2 PCI slots
Number of Processors Supported	1	1	2
Processor Support ²	Multi-Core Intel® Xeon®, Intel® Pentium® D, Intel® Pentium® Extreme Edition, Intel® Pentium® 4, and Intel® Celeron® D processors	Multi-Core Intel® Xeon®, Intel® Pentium® D, Intel® Pentium® Extreme Edition, Intel® Pentium® 4, and Intel® Celeron® D processors	Multi-Core Intel® Xeon® processor
System Bus Speed	1066 MHz / 800 MHz	1066 MHz / 800 MHz	1333 MHz / 1066 MHz
Chipset	Intel® 3000 Server Chipset	Intel® 3000 Server Chipset	Intel® 5000V
PCI Buses	6	6	4
Total Slots	1	1	2
Slot Types	1 x PCI Express* x8 or 1 x PCI-X 133 MHz	1 x PCI Express* x8	1 x low profile PCI Express* x8 1 x full height / mid-length PCI-X 133 MHz
Memory Capacity	4 x DIMM slots for DDR2 533/667 MHz Unbuffered ECC/non-ECC DIMMs (8 GB Max)	4 x DIMM slots for DDR2 533/667 MHz Unbuffered ECC/non-ECC DIMMs (8 GB Max)	12GB DDR-2 FBDIMM (6 DIMMs)
Integrated SCSI	—	—	No
Integrated LAN	2 x Intel® Gigabit Ethernet connections with iAMT support	2 x Intel® Gigabit Ethernet connections	2 x Intel® PRO/1000 Server network connections
Integrated Graphics	ATI* with 16MB memory	ATI* with 16MB memory	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.5	Intel® System Management Software 1.5	Intel® System Management Software 1.5
Intel® RAID Controller Compatibility (Order Code) ³	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	SRCSAS144E SRCSAS18E
Form Factor	1U rack	1U rack	1U Rackmount
Drive Bays	2 x fixed 3.5" SATA (3.0 Gb/s) HDDs 1 x fixed slim-line CD-ROM	2 x fixed 3.5" SATA (3.0 Gb/s) HDDs 1 x fixed slim-line CD-ROM	2 x fixed 3.5" SATA HDDs Optional slim-line optical drive
System Cooling	2 x fixed cooling blowers with duct 1 x system fan	2 x fixed cooling blowers with duct 1 x system fan	2 x fixed cooling blowers with duct 1 x system fan
Power Supply	350-watt PFC power supply	350-watt PFC power supply	400-watt non-redundant
Dimensions (H x W x D)	1.68" (43 mm) x 16.93" (430 mm) x 19.92" (506 mm)	1.68" (43 mm) x 16.93" (430 mm) x 19.92" (506 mm)	1.70" (43 mm) x 16.9" (430 mm) x 20.0" (508 mm)



System	Intel® Server System SR1530HCL	Intel® Server System SR1530HCLS	Intel® Server System SC5400RA <i>Performance and expendability in a pedestal server system with support for optional hot swap power supplies</i>
Order Code¹	SR1530HCL	SR1530HCLS	SC5400RA SC5400RANA
Components Included	<ul style="list-style-type: none"> Intel® Server Board S5000VCL (SAS) Intel® Server Chassis SR1530H 400-watt non-redundant power supply One riser card supporting 2 PCI slots 	<ul style="list-style-type: none"> Intel® Server Board S5000VCL (SAS) Intel® Server Chassis SR1530H 400-watt non-redundant power supply One riser card supporting 2 PCI slots 	<ul style="list-style-type: none"> Intel server board with two eight DIMM risers Integrated in the Intel® Server Chassis SC5400BRP Support for six fixed SATA drives 830-watt power supply (<i>redundancy requires optional second power supply</i>) Pre-routed cables
Number of Processors Supported	2	2	2
Processor Support²	Multi-Core Intel® Xeon® processor	Multi-Core Intel® Xeon® processor	Multi-Core Intel® Xeon® processor
System Bus Speed	1333 MHz / 1066 MHz	1333 MHz / 1066 MHz	667 MHz, 1066 MHz, and 1333 MHz ⁴
Chipset	Intel® 5000V Chipset	Intel® 5000V Chipset	Intel® 5000P Chipset
PCI Buses	4	4	6
Total Slots	2	2	6
Slot Types	1 x low profile PCI Express* x8 1 x full height / mid-length PCI-X 133 MHz	1 x low profile PCI Express* x8 1 x full height / mid-length PCI-X 133 MHz	3 x PCI Express* x8 1 x PCI Express x4 (<i>x8 Connector</i>) 2 x PCI-X 64-bit 100/133 MHz
Memory Capacity	12GB DDR-2 FBDIMM (6 DIMMS)	12GB DDR-2 FBDIMM (6 DIMMS)	64GB ECC FBDIMMs (<i>16 DIMMs</i>)
Integrated SCSI	No	No	—
Integrated LAN	2 x Intel® PRO/1000 Server network connections	2 x Intel® PRO/1000 Server network connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATI* with 16MB memory	ATI* with 16MB memory	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.5	Intel® System Management Software 1.5	Intel® System Management Software 1.5 and Intel® Remote Management Utilities
Intel® RAID Controller Compatibility (Order Code)³	SRCSAS144E SRCSAS18E	SRCSAS144E SRCSAS18E	Intel® Embedded Server RAID Technology II provides RAID 0, 1, and 10
Form Factor	1U Rackmount	1U Rackmount	Pedestal; convertible to 5U rack with ARIGRACK accessory
Drive Bays	3 x Hot-swap 3.5" SATA HDDs Optional slim-line CD-ROM Drive	3 x Hot-swap 3.5" SAS HDDs Optional slim-line CD-ROM Drive	Up to six hot-swap drives are possible with the following drive bay upgrade kits: 6 drive SAS/SATA—AXX6DRV3G 6 drive SAS/SATA Expander—AXX6DRV3GEXP (<i>requires a SAS RAID card</i>)
System Cooling	2 x fixed cooling blowers with duct 1 x system fan	2 x fixed cooling blowers with duct 1 x system fan	Includes two system fans plus one power supply fan Optional upgrade to hot-swap fans with ARIG2HSFANKIT
Power Supply	400-watt non-redundant	400-watt non-redundant	830-watt, dual-line cord, 1+1 PFC (<i>fully redundant configuration requires second power module, order code FXX830WPSU</i>)
Dimensions (H x W x D)	1.70" (43 mm) x 16.92" (430 mm) x 25.51" (648 mm)	1.70" (43 mm) x 16.92" (430 mm) x 25.51" (648 mm)	17.5" (445 mm) x 8.6" (218 mm) x 26.9" (683 mm)



System	Intel® Server System SR1435VP2	Intel® Entry Server System SR1475NH1
	<i>A flexible and serviceable 1U rack-optimized system optimized for Intel® Server Board SE7320VP2</i>	<i>1U rack-optimized server system for performance uni-processor server solutions</i>
Order Code ¹	SR1435VP2D2 SR1435VP2D2NA	SR1475NH1 SR1475NH1NA
Components Included	<ul style="list-style-type: none"> Intel Server Board SE7320VP2 Intel® Server Chassis with 450-watt power supply Three fixed hard drive carriers Chassis intrusion switch Front panel board assembly, PCI bracket assembly CD and floppy tray assemblies Pre-routed cables 	<ul style="list-style-type: none"> Intel® Server Board SE7230NH1x Intel® Server Chassis with 350-watt power supply Intel® 1U heatsink Chassis intrusion switch CD and floppy tray assemblies Pre-routed cables
Number of Processors Supported	2	1
Processor Support ²	Intel® Xeon® processor	Intel® Pentium® 4 processor for LGA775 sockets
System Bus Speed	800 MHz	1066 MHz / 800 MHz
Chipset	Intel® 7320 Chipset	Intel® E7230 Chipset
PCI Buses	4	4
Total Slots	2	1 (in 1U)
Slot Types	Option 1: 1 x PCI Express* x4 and 1 x PCI-X 66 MHz Option 2: 2 x PCI-X 66 MHz	1 x PCI Express* x8 or 1 x PCI-X 100 MHz
Memory Capacity	12GB ECC DDR2 400 SDRAM (6 DIMMs)	8GB DDR2 667/533/400 ECC SDRAM
Integrated SCSI	—	—
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATI® Rage* with 8MB memory	ATI* with 16MB memory
Server Management Support	Intel® System Management Software 1.5	Intel® System Management Software 1.5
Intel® RAID Controller Compatibility (Order Code) ³	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.	Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server board.
Form Factor	1U rack	1U rack
Drive Bays	Up to 3 x SATA or SCSI HDD (fixed or hot-swap) 1 x slim-line CD-ROM/floppy module	3 x HDD bays for fixed or hot-swap hard drives 1 x slim-line bay for DVD, CD-ROM, or floppy drive
System Cooling	Supports five system fans plus two power-supply fans	Five fixed 40mm system fans and two power supply fans
Power Supply	450-watt PFC power supply	350-watt PFC power supply
Dimensions (H x W x D)	1.7" (43 mm) x 16.9" (429 mm) x 26.5" (675 mm)	1.7" (43 mm) x 16.9" (429 mm) x 23" (584 mm)

¹ North American power cord included in order codes ending in NA, power cord not included in all other order codes.

² Refer to <http://support.intel.com/support/motherboards/server> for up-to-date details on processors supported by each server board.

³ Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm for up-to-date details on RAID controllers supported by each server system.

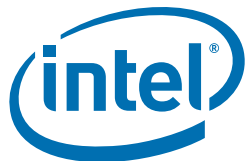
⁴ 1333 MHz support may require updates that may not be available at launch.

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INTEL® PRO SERVER ADAPTERS

CONNECTIVITY FOR COPPER NETWORKS

10 GIGABIT-OVER-COPPER



Intel® PRO/10GbE CX4 Server Adapter

10/100/1000Mbps-OVER-COPPER MULTI-PORT



Intel® PRO/1000 GT Quad Port Server Adapter



Intel® PRO/1000 PT Dual Port Server Adapter



Intel® PRO/1000 MT Dual Port Server Adapter

Product Code—Singles
Product Code—Five Packs
Connector(s)
End-Brackets
Ethernet Controller(s)
Bus Width and Type

Product Code—Singles	PXLA8591CX4	PWLA8494GT	EXPI9402PT	PWLA8492MT
Product Code—Five Packs	n/a	PWLA8494GTBLK5	EXPI9402PTBLK	PWLA8492MTBLK5
Connector(s)	1 CX4	4 RJ-45	2 RJ-45	2 RJ-45
End-Brackets	Full Height	Full Height	Low Profile and Full Height	Low Profile and Full Height
Ethernet Controller(s)	Intel® 82597EX	Intel® 82546GB	Intel® 82571GB	Intel® 82546GB
Bus Width and Type	64-bit PCI-X	64-bit PCI/PCI-X	PCI Express* x4	32- or 64-bit PCI/PCI-X

10/100/1000Mbps-OVER-COPPER



Intel® PRO/1000 PT Server Adapter



Intel® PRO/1000 MT Server Adapter

10/100Mbps-OVER-COPPER



Intel® PRO/100 S Dual Port Server Adapter



Intel® PRO/100 S Server Adapter

Product Code—Singles
Product Code—Five Packs
Connector(s)
End-Brackets
Ethernet Controller(s)
Bus Width and Type

Product Code—Singles	EXPI9400PT	PWLA8490MT	PILA8472C3	PILA8470C3
Product Code—Five Packs	EXPI9400PTBLK	PWLA8490MTBLK5	PILA8472C3PAK5	PILA8470C3PAK5
Connector(s)	1 RJ-45	1 RJ-45	2 RJ-45	1 RJ-45
End-Brackets	Low Profile and Full Height	Low Profile and Full Height	Full Height	Full Height
Ethernet Controller(s)	Intel® 82572GI	Intel® 82545GM	Intel® 82550GY	Intel® 82550EY
Bus Width and Type	PCI Express* x1	32- or 64-bit PCI/PCI-X	32- or 64-bit PCI	32-bit PCI

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www.intel.com/network/connectivity/index.htm

CONNECTIVITY FOR FIBER NETWORKS

10 GIGABIT-OVER-FIBER



GIGABIT-OVER-FIBER MULTI-PORT



	Intel® PRO/10GbE SR Server Adapter	Intel® PRO/10GbE LR Server Adapter	Intel® PRO/1000 PF Dual Port Server Adapter	Intel® PRO/1000 MF Dual Port Server Adapter
Product Code—Singles	PXLA8591SR	PXLA8591LR	EXPI9402PF	PWLA8492MF
Product Code—Five Packs	n/a	n/a	EXPI9402PFBLK	PWLA8492MFBLK5
Connector(s)	1 LC	1 SC	2 LC	2 LC
Fiber Optic Cabling	MMF 50µm	SMF 9µm	MMF 62.5/50µm	MMF 62.5/50µm
End-Brackets	Full Height	Full Height	Full Height	Low Profile and Full Height
Ethernet Controller(s)	Intel® 82597EX	Intel® 82597EX	Intel® 82571EB	Intel® 82546GB
Bus Width and Type	64-bit PCI/PCI-X	32- or 64-bit PCI-X	PCI Express* x4	64-bit PCI/PCI-X

GIGABIT-OVER-FIBER



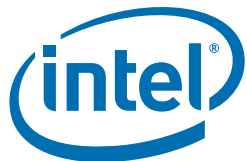
	Intel® PRO/1000 PF Server Adapter	Intel® PRO/1000 MF Server Adapter	Intel® PRO/1000 MF Server Adapter (LX)	Intel® PRO/1000 XF Server Adapter
Product Code—Singles	EXPI9400PF	PWLA8490MF	PWLA8490LX	PWLA8490XF
Product Code—Five Packs	EXPI9400PFBLK	PWLA8490MFBLK5	PWLA8490LXBLK5	PWLA8490XFPAK5
Connector(s)	1 LC	1 LC	1 LC	1 SC
Fiber Optic Cabling	MMF 62.5/50µm	MMF 62.5/50µm	SMF 9µm, MMF 62.5/50µm	MMF 62.5/50µm
End-Brackets	Full Height	Low Profile and Full Height	Low Profile and Full Height	Full Height
Ethernet Controller(s)	Intel® 82572GI	Intel® 82545GM	Intel® 82545GM	Intel® 82544EI
Bus Width and Type	PCI Express* x4	32- or 64-bit PCI/PCI-X	32- or 64-bit PCI/PCI-X	32- or 64-bit PCI/PCI-X

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0107/MS/VD January 2007



INTEL® RAID CONTROLLERS



Controller	Intel® RAID Controller SRCAS18E	Intel® RAID Controller SRCAS144E	Intel® RAID Controller SRC28X	Intel® RAID Controller SRC16
	<i>Full-featured, high-end, Eight Port SAS/SATA RAID Controller with PCI Express* interface</i>	<i>Full-featured, high-end, Eight Port SAS/SATA RAID Controller with PCI Express* Interface</i>	<i>An eight-port Serial ATA II RAID solution for applications requiring high performance and reliability</i>	<i>High-performance six-port Serial ATA RAID Controller, with enclosure management support</i>
Order Code	SRCAS18E AXXRPCM2 (Optional Intel® Portable Cache Module—256 MB DIMM with Battery Backup)	SRCAS144E AXXRBBU3 (Optional Intel® RAID Smart Battery)	SRC28X AXXRIBBU1 (Optional Battery Backup Unit)	SRC16 AXXRBBU2 (Optional Battery Backup Unit)
Processor Support	Intel® IOP333 I/O Processor 500 MHz	Intel® IOP333 I/O Processor 500 MHz	Intel® IOP331 I/O Processor 250 MHz	Intel® IOP302 I/O Processor 100 MHz
Memory	Ships with 256MB DIMM (Supports up to 1GB ECC DDR2 400 MHz SDRAM)	Embedded 128MB	Embedded 128MB ECC SDRAM	Embedded 64MB ECC SDRAM
PCI Bus	PCI Express* x8	PCI Express* x4	PCI-X 133 MHz	PCI 2.2 64-bit/66 MHz
Channels	2 SFF8484 4 port connectors with cables to 8 internal SAS/SATA devices including expanders at 3Gbps data-transfer rates	4 internal and 4 external ports supporting point to point 3.0Gbps data-transfer rates	8 x Serial ATA ports with 3.0Gbps data-transfer rates	6 x Serial ATA
Form Factor	Full height, 3/4 length	Low profile, 3/4 length	Standard PCI-X	Standard PCI
RAID Levels	0, 1, 5, 10, and 50	0, 1, 5, 10, and 50	0, 1, 5, 10, and 50	0, 1, 5, 10, and 50
Battery Backup	Yes (Optional - purchased separately)	Yes (Optional - purchased separately)	Yes (Optional - purchased separately)	Yes (Optional - purchased separately)
Cluster Support	No	No	No	No

For more information, visit the Intel Web site at: www.intel.com/go/RAID



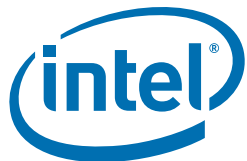
Controller	Intel® RAID Controller SRCU42E	Intel® RAID Controller SRCU42X	Intel® RAID Controller SRCU41L	Intel® RAID Controller SRCZCRX
	Full-featured, high-end, dual-channel Ultra320 RAID Controller with PCI Express* interface	High-performance dual-channel Ultra320, PCI-X RAID controller with PCI-X 133 MHz interface	Low profile high-performance single-channel Ultra320 RAID Controller with PCI 64/66 interface	Low profile ROMB dual-channel Ultra320 RAID controller for PCI-X 133 MHz RADIOS interface
Order Code	SRCU42E AXXRPCM1 (Optional Intel® Portable Cache Module—128MB DIMM with Battery Backup)	SRCU42X (Ships with 128MB DIMM) AXXRBBU1 (Optional Battery Backup Unit)	SRCU41L AXXRBBU2 (Optional Battery Backup Unit)	SRCZCRX AXXRBBU1 (Optional Battery Backup Unit)
Processor Support	Intel® IOP332 I/O Processor 500 MHz	Intel® IOP321 I/O Processor 400 MHz	Intel® IOP80302 I/O Processor 100 MHz	Intel® IOP321 I/O Processor 400 MHz
Memory	Ships with 128MB DIMM (Supports up to 512MB DDR 333 MHz SDRAM)	Ships with 128MB DIMM (Supports up to 512MB PC1600 ECC DDR SDRAM)	Embedded 64MB of ECC SDRAM	Embedded 128MB ECC SDRAM
PCI Bus	PCI Express* x8	PCI-X 133 MHz (PCI 2.2 and PCI-X 1.0 compliant)	PCI 2.2 64-bit/66 MHz	PCI-X 133 MHz
Channels	2 x Ultra320 SCSI	2 x Ultra320 SCSI	1 x Ultra320 SCSI	2 x Ultra320 SCSI
Form Factor	Standard PCI	Standard PCI-X	Low-profile PCI half length	Low-profile PCI
RAID Levels	0, 1, 5, 10, and 50	0, 1, 5, 10, and 50	0, 1, 5, 10, and 50	0, 1, 5, 10, and 50
Battery Backup	Yes (Optional - purchased separately)	Yes (Optional - purchased separately)	Yes (Optional - purchased separately)	Yes (Optional - purchased separately)
Cluster Support	Yes	Yes	No	No
Connectors	2 internal P68UHD 2 external P68VHDC	2 internal P68UHD 2 external P68VHDC	1 internal 68 pin UHDLVD 1 external 68 pin VHDLVD	Via server board

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INTEL® MANAGEMENT MODULES



Feature Description	Intel® System Management Software 1.0 Onboard Platform Instrumentation	Intel® Management Module- Professional Edition	Intel® Management Module- Advanced Edition	Intel® Remote Management Module
Positioning	Server class health monitoring of hardware, OS, and applications.	Maintain high availability servers over serial, modem, or LAN.	Take remote control of servers with a cost-effective solution including enhanced video / GUI redirection over Internet protocols and agent-less embedded management services.	Have remote, secure access to full screen KVM features together with hardware health monitoring, remote CD or USB access, and complete power control without ever having to visit the server.
Order Code	Included with the purchase of your Intel® Server Board	AXXIMMPRO	AXXIMMADV	AXXRMM
Board support ¹	Intel® Server Boards SE7320EP2, SE7320SP2, SE7320VP2, SE7525GP2, SE7525RP2, SE7520BD2, SE7520AF2, SE7520JR2, SE7230NH1-E, SE7221BA1-E, SE7221BK1-E, S5000XVN, S5000PSL, S5000PAL, and S5000VSA	Intel® Server Boards SE7520BD2, SE7520AF2, and SE7520JR2	Intel® Server Boards SE7520BD2, SE7520AF2, and SE7520JR2	Intel® Server Boards S5000PSL and S5000PAL
Asset and Performance Reporting	X	X	X	X
Remote Server Restart	X	X	X	X
Hardware, OS and Process Monitoring	X	X	X	X
Hardware RAS monitoring (Memory, redundant fans and PS, Power consumption, Hot-plug I/O)		X	X	Support built into motherboard
Text Console Redirection (Serial over LAN)		X IPMI 2.0	X Enhanced ²	IPMI 2.0 SOL support built into system firmware
SNMP	X Intel® Sub-agent	X In-band agent	X Embedded ³	
Embedded Telnet server (Proxy-less CLI Operations)			X	
Embedded video / GUI (KVM) redirection			X with Intel® ARSC	X
Embedded Web Server			X	X
Dedicated Server Management NIC			X	X
Agent-less Management			X	X

¹ For the latest server board support please visit <http://support.intel.com/support/motherboards/server>

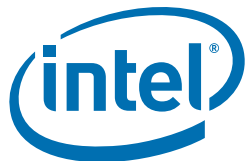
² Enhanced reliability (TCP based)

³ Embedded features work in any OS environment

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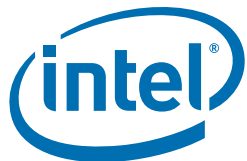
INTEL® STORAGE SYSTEMS



System	Intel® Entry Storage System SS4000-E	Intel® Storage System SSR212CC	Intel® Storage System SSR212PP based on EMC AX150* Technology	Intel® Storage System SSR212MA
	An easy-to-use, affordable NAS appliance with simple software to help you easily manage your ever-expanding data.	High-density 2U storage building block that can be coupled with one of a number of different industry software solutions to create a SAN, NAS, or DAS appliance.	Ideal low-cost platform for small businesses that need to consolidate storage for a small number of applications. Dual-active models are well suited for medium businesses that require high availability.	High-density 2U storage platform for enterprise applications and database deployments requiring exceptional levels of data protection and availability.
Order Code	SS4000E	SSR212CC	SSR212PP	SSR21MA
Processor Support	Intel XScale® Processor	Intel® Xeon® Processor	Intel® Celeron® Processor	Intel® Xeon® Processor
Number of Processors Supported	1	1	1 or 2 (Single or Dual Controller models available)	1
System Bus Speed	400 MHz	800 MHz	800 MHz	800 MHz
Chipset	NA	Intel® E7520 Chipset	NA	Intel® E7520 Chipset
Independent PCI Buses	NA	4	NA	4
Total Slots	NA	3 (one available)	NA	3 (one available)
Slot Types	NA	3 x PCI-X 133 MHz	NA	3 x PCI-X 133 MHz
Memory Capacity	256MB	16GB DDR2 400, Registered ECC	512MB ECC SDRAM PC2100	16GB DDR2 400, Registered ECC ¹
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	1 x 10/100MB Ethernet Management Port 2 (single controller) or 4 (dual controller) x 10/100MB Ethernet ports per iSCSI controller	2 x Gigabit Ethernet connections
Integrated Fibre Channel	NA	NA	2 (single controller) or 4 (dual controller) x 2Gb FC	NA
Integrated Graphics	NA	ATI* with 8MB memory	NA	ATI* with 8MB memory
Server Management Support	NA	Intel® Server Management 8 with support for optional Intel® Management Modules	NA	Intel® Server Management 8 with support for optional Intel® Management Modules
RAID Support	Supports RAID Levels 0, 1, 5, and 10	Supports RAID Levels 0, 1, 5, 10, and 50	Supports RAID Levels 0, 1, 5, and 5/10	Supports RAID Levels 0, 1, 5, 10, and 50
Form Factor	Small Pedestal Cube	2U Rack	2U Rack	2U Rack
Drive Bays	4 x hot-swap SATA	12 x hot-swap SATA II	12 x hot-swap SATA II	12 x hot-swap SATA II
Power Supply	200-watt continuous power supply	500-watt, dual-line cord 1+1 PFC (fully redundant configuration requires second power module, order code TLPACPSU002)	300-watt 1+1 single (one controller) or dual (controller) supply (fully redundant single controller configuration requires optional second power module)	500-watt, dual-line cord 1+1 PFC (fully redundant configuration requires second power module, order code TLPACPSU002)
Software	Fully integrated NAS management software and Intel® Client Backup and Recovery application	Device Driver software	Fully integrated, feature rich Navisphere* Express SAN software and PowerPath* path management software	Fully integrated, feature rich SAN management software

For more information, visit the Intel Web site at: www.intel.com/go/storagesystems

¹ Please see memory expansion recommendations in the Intel® Storage System SSR212MA Technical Product Specification. All products and dates specified are preliminary based on current expectations and are subject to change without notice. Availability in different channels may vary. Intel, the Intel logo, Xeon, Celeron, and Intel XScale are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Copyright © 2007 Intel Corporation. All rights reserved.



INTEL® BLADE SERVER PRODUCTS



Board	Intel® Server Compute Blade SBXD132	Intel® Server Compute Blade SBX82
	<i>High-performance, power and heat-efficient Intel® 64 capable dual-core blade</i>	<i>Outstanding performance, dependability, and manageability for high density solutions</i>
Order Code	SBXD132	SBX82
Intel® Server Chassis Support	Blade Server Chassis (SBCE)	Blade Server Chassis (SBCE)
Processor Support	Intel® Xeon® Processor	Intel® Xeon® Processor
Number of Processors Supported	2	2
System Bus Speed	1066 MHz or 1333 MHz	800 MHz
Chipset	Intel® 5000P Server Chipset	Intel® E7520 Chipset
Independent PCI Buses	2	2
Total Slots	1	1
Slot Types	PCI-X 133 MHz	PCI-X 133 MHz
Memory Capacity	16GB FBDIMMS (4 DIMMS)	16GB DDR2-400 (4 DIMMS)
Integrated SCSI	Support for up to two 2.5-inch SAS hard disk drives. Supports RAID 0 or RAID 1 technology. Support for up to 3 hot-swap 2.5" SAS hard drives and RAID-5 technology using the optional blade storage expansion module.	Support for up to two Ultra320 SCSI hot-swap hard disk drives (80-pin, SCA-2 connectors) available in an optional blade storage expansion module which connects to the server blade. Maximum data transfer: 320MB/sec on each Ultra 320 LVD channel. Supports RAID 1 or RAID 1E with the blade storage expansion module.
Integrated LAN	2x Gigabit Ethernet	2x Gigabit Ethernet
Integrated Graphics	ATI® RN-50 Video Controller	ATI® with 32MB SDRAM video memory
Server Management Support	Intel® Server Management Module SBCECMM Intel® Server Manager	Intel® Server Management Module SBCECMM Intel® Server Manager

Chassis	Intel® Blade Server Chassis SBCE
	<i>Outstanding performance, dependability, and manageability for high density solutions</i>
Chassis Order Code	SBCE
Spares Kit Order Code	See http://support.intel.com/ for a complete configuration guide
Form Factor	7U Rack
Intel® Server Board Support ¹	Intel® Server Compute Blade SBX82
Blade Slots	14
Module Bays	4
System Cooling	Includes two high-flow system blowers
Power Supply	2000-watt, 2+2 PFC
Redundant Power Capable	Yes (fully redundant configuration requires two additional power module ABCEPSU20)
Toolless Features	Complete toolless design
Dimensions (H x W x D)	12" x 17.5" x 28"
Bezel Features	System service card, media tray with CD-ROM and 3.5" disk drive
Front Connectors	1 x USB

For more information, visit the Intel Web site at: www.intel.com/go/bladeservers

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Intel® Mobile Processors	www.intel.com/go/notebooks
Intel® PRO/Wireless Network Connections	www.intel.com/network/connectivity/products/wireless/index.htm
Intel® Server/Workstation Processors	www.intel.com/go/serverprocessors
Intel® Server Boards	www.intel.com/go/serverboards
Intel® Server Chassis	www.intel.com/go/serverchassis
Intel® Server Systems	www.intel.com/go/serversystems
Intel® PRO Server Adapters	www.intel.com/network/connectivity/index.htm
Intel® RAID Controllers	www.intel.com/go/RAID
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