



INTEL® PRODUCT QUICK REFERENCE MATRIX

Desktop Platforms Matrix

Technology Update

Intel® Desktop Processors

Intel® Desktop Boards and

Intel® PRO Desktop Adapters

Mobile Intel® Processors and

Intel® PRO/Wireless Network Connections

Intel® Server/Workstation Processors

Intel® Server Boards

Intel® Management Modules

Intel® RAID Controllers

Intel® Server Chassis

Intel® Server Platforms

Intel® PRO Server Adapters

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Availability in different channels may vary.

intel®

DESKTOP PLATFORMS MATRIX

Consumer Platforms Matrix

Digital Home

Good	Better	Best	Extreme
Cost-efficient solutions for budget conscious users with the stability and reliability that Intel provides. Intel® Celeron® D Processor 300 Sequence  Intel® Desktop Board D915GEV or D915GUX or equivalent 3rd party board Intel® 915G Express Chipset or equivalent 3rd party chipset KEY PLATFORM BENEFITS: - Intel® EM64T—64-bit application support¹ 256KB L2 Cache—improved data throughput - Intel® High Definition Audio—quality surround sound - Intel® GMA 900—cost-effective integrated graphics	Stable and reliable platforms for home users who want key technology and solid performance at a mainstream price. Intel® Pentium® 4 Processor with HT Technology 500 or 600 Sequence  Intel® Desktop Board Classic Series  Intel® 945G/P Express Chipset  KEY PLATFORM BENEFITS: - Intel® EM64T—64-bit application support 2MB L2 Cache—more fast-access processor memory - Intel® GMA 950—outstanding visual experience - Intel® High Definition Audio—immersive surround sound	Platforms optimized to capture, edit and share digital media, while making it easier to access and enjoy content anytime and anywhere. Intel® Pentium® D Processor 800 Sequence  Intel® Desktop Board Media Series  Intel® 945G/P Express Chipset  KEY PLATFORM BENEFITS: - Dual Core Processor—improved multitasking performance - Intel® EM64T—64-bit application support 2MB L2 Cache—more fast-access processor memory - Intel® Matrix Storage Technology speed and exceptional data protection - Intel® GMA 950—outstanding visual experience - Intel® High Definition Audio—premium home theater surround sound	High performance platforms to take your gaming and digital content creation to new levels of intensity. Intel® Pentium® Processor Extreme Edition  Intel® Desktop Board Extreme Series  Intel® 955X Express Chipset  KEY PLATFORM BENEFITS: - Dual Core Processor with HT Technology superior multitasking performance - Intel® EM64T—64-bit application support - Intel® Memory Pipeline Technology—accelerated memory performance - Intel® Matrix Storage Technology—speed and exceptional data protection 10/100/1000 on-board LAN—superior I/O performance - Intel® High Definition Audio—premium home theater surround sound

Business Platform Matrix

Value	Good	Better	Best
Cost-efficient solutions for budget conscious users with the stability and reliability that Intel provides.	Stable and reliable platforms for business users who want key technology and solid performance at a mainstream price.	Platforms designed to improve small business computing with extra security, privacy, integrated protection, interoperability, and collaboration services.	Platforms designed to maximize small business efficiency with greater multi-tasking capability, support for emerging usage models, integrated protection, and remote client management.
Intel® Celeron® D Processor 300 Sequence 	Intel® Pentium® 4 Processor with HT Technology 600 Sequence 	Intel® Pentium® 4 Processor with HT Technology 600 Sequence 	Intel® Pentium® D Processor 800 Sequence 
Intel® Desktop Board D915GWB or D915GAG or equivalent 3rd party board	Intel® Desktop Board Classic Series 	Intel® Desktop Board Executive Series 	Intel® Desktop Board Executive Series 
Intel® 915G/GV Express Chipset or equivalent 3rd party chipset	Intel® 945G/P Express Chipset 	Intel® 945G Express Chipset 	Intel® 945G Express Chipset 
KEY PLATFORM BENEFITS: - Intel® EM64T—64-bit application support¹ 256KB L2 Cache—improved data throughput - Intel® High Definition Audio—quality voice reproduction - Intel® GMA 900—cost-effective integrated graphics - Execute Disable Bit—combat malicious online attacks	KEY PLATFORM BENEFITS: - Intel® EM64T—64-bit application support 2MB L2 Cache—more fast-access processor memory - Intel® High Definition Audio—improved VoIP capability - Intel® GMA 950—superior cost-effective integrated graphics - Execute Disable Bit—combat malicious online attacks	KEY PLATFORM BENEFITS: - Intel® EM64T—64-bit application support 2MB L2 Cache—more fast-access processor memory - Intel® Active Management Technology—advanced remote client management - Intel® Matrix Storage Technology—added protection for business data - Intel® High Definition Audio—improved VoIP capability - Intel® GMA 950—superior cost-effective integrated graphics - Execute Disable Bit—combat malicious online attacks	KEY PLATFORM BENEFITS: - Dual Core Processor—improved multitasking performance - Intel® EM64T—64-bit application support - Intel® Active Management Technology—advanced remote client management - Intel® Matrix Storage Technology—added protection for business data - Intel® High Definition Audio—improved VoIP capability - Intel® GMA 950—superior cost-effective integrated graphics - Execute Disable Bit—combat malicious online attacks

¹ Intel® Celeron® D processor 351, 346, 341, 336, 331, 326 provide EM64T—64-bit application support. Intel, the Intel logo, the Intel Inside logo, Pentium, and Celeron are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.



Balanced Technology Extended (BTX): The Next-Generation Desktop PC Form Factor

Why BTX?

The current industry standard, ATX, was introduced in 1995, and as technology has evolved, new challenges have arisen that are increasingly difficult for ATX to handle. The Balanced Technology Extended (BTX) form factor specification was developed as an evolutionary follow-on to the ATX form factor to address these issues, and Intel expects it to eventually replace ATX as the industry standard. Compared to ATX, systems based on BTX can offer:

- **Improved scalability**
Support for a broader range of system sizes with better scalability into small form factors.
- **Superior thermal environment**
In-line, high velocity, lower temperature airflow can cool entire system more effectively.
- **Superior acoustic performance**
Reduced fan count and less airflow impedance allow for lower noise.

BTX-COMPATIBLE SKUS OF BOXED INTEL® PROCESSORS

Intel now offers selected boxed processor SKUs with a Type I BTX thermal module. Be sure to select the right boxed processor SKU for your system. Product codes for Type I BTX SKUs will end with the letter "T."

Example: Product Codes for the Boxed Intel® Pentium® 4 processor 560J

For ATX: BX80547PG3600EJ

For BTX: BX80547PG3600ET

- **Improved motherboard design**

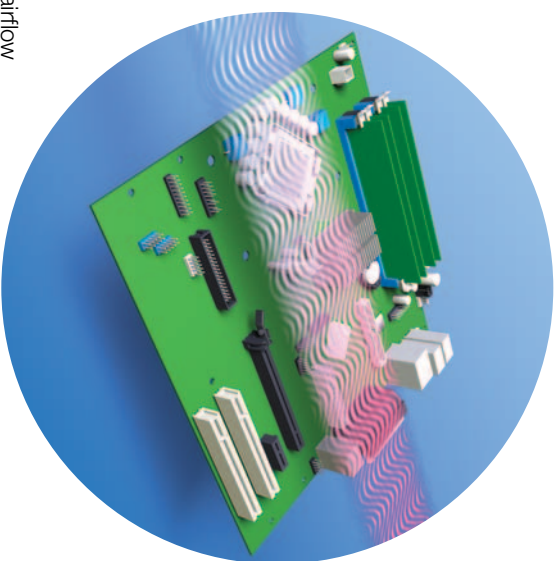
More room for power delivery and localized routing allow simpler, faster, and more cost effective motherboard development.

- **Improved structural integrity**

Structural support for more efficient, higher-mass heatsink materials.

- **Improved cost structure¹**

Low temperature, high velocity airflow can allow simpler, less costly heatsink technologies compared to future ATX solutions. Standard ingredients replace custom ingredients for compact system designs.



BALANCED TECHNOLOGY EXTENDED (BTX) CHANNEL RESOURCE CENTER

Visit the Balanced Technology Extended (BTX) Channel Resource Center for more information about BTX, including:

- Links to Ingredient Source Lists
- Links to Tested Hardware Lists
- More detail on BTX Value Propositions and Comparisons to ATX

www.intel.com/go/BTX

¹As with many technology transitions, any cost advantage will likely only become visible when BTX is broadly adopted and the initial industry conversion premiums disappear. Intel and the Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Copyright © 2005 Intel Corporation. All rights reserved. 1005/MS/AT Part Number: 308239-002 **October 2005**



INTEL® DESKTOP PROCESSORS



PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT ¹	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Pentium® Processor Extreme Edition 840	ATX	BX80551PG3200F	3.20 GHz	64-Bit/32-Bit	800 MHz	1MB x 2	LGA775	7 35858 17627 9
PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT ¹	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Pentium® D Processor 840	ATX BTX Type I ¹	BX80551PG3200F	3.20 GHz	64-Bit/32-Bit	800 MHz	1MB x 2	LGA775	7 35858 17609 5 7 35858 17608 8
Pentium D Processor 830	ATX BTX Type I ¹	BX80551PG3000F BX80551PG3000FT	3 GHz	64-Bit/32-Bit	800 MHz	1MB x 2	LGA775	7 35858 17607 1 7 35858 17639 2
Pentium D Processor 820	ATX BTX Type I ¹	BX80551PG2800F BX80551PG2800FT	2.80 GHz	64-Bit/32-Bit	800 MHz	1MB x 2	LGA775	7 35858 17610 1 7 35858 17640 8
PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT ¹	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Pentium® 4 Processor Extreme Edition 3.73 GHz Supporting Hyper-Threading Technology ²	ATX	BX80547PH3733F	3.73 GHz	64-Bit/32-Bit	1066 MHz	2MB L2	LGA775	7 35858 17221 9
PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT ¹	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Pentium® 4 Processor 670 Supporting Hyper-Threading Technology ²	ATX BTX Type I ¹	BX80547PG3800F BX80547PG3800FT	3.80 GHz	64-Bit/32-Bit	800 MHz	2MB L2	LGA775	7 35858 17558 6 7 35858 17602 6
Pentium 4 Processor 660 Supporting Hyper-Threading Technology ²	ATX BTX Type I ¹	BX80547PG3600F BX80547PG3600FT	3.60 GHz	64-Bit/32-Bit	800 MHz	2MB L2	LGA775	7 35858 17378 0 7 35858 17439 8
Pentium 4 Processor 650 Supporting Hyper-Threading Technology ²	ATX BTX Type I ¹	BX80547PG3400F BX80547PG3400FT	3.40 GHz	64-Bit/32-Bit	800 MHz	2MB L2	LGA775	7 35858 17377 3 7 35858 17438 1
Pentium 4 Processor 640 Supporting Hyper-Threading Technology ²	ATX BTX Type I ¹	BX80547PG3200F BX80547PG3200FT	3.20 GHz	64-Bit/32-Bit	800 MHz	2MB L2	LGA775	7 35858 17376 6 7 35858 17437 4
Pentium 4 Processor 630 Supporting Hyper-Threading Technology ²	ATX BTX Type I ¹	BX80547PG3000F BX80547PG3000FT	3 GHz	64-Bit/32-Bit	800 MHz	2MB L2	LGA775	7 35858 17375 9 7 35858 17436 7
Pentium 4 Processor 571 Supporting Hyper-Threading Technology ²	ATX	BX80547PG3800EK	3.80 GHz	64-Bit/32-Bit	800 MHz	1MB L2	LGA775	7 35858 17254 7
Pentium 4 Processor 561 Supporting Hyper-Threading Technology ²	ATX BTX Type I ¹	BX80547PG3600EK BX80547PG3600EKT	3.60 GHz	64-Bit/32-Bit	800 MHz	1MB L2	LGA775	7 35858 17296 7 7 35858 17800 0
Pentium 4 Processor 551 Supporting Hyper-Threading Technology ²	ATX BTX Type I ¹	BX80547PG3400EK BX80547PG3400EKT	3.40 GHz	64-Bit/32-Bit	800 MHz	1MB L2	LGA775	7 35858 17295 0 7 35858 17799 3
Pentium 4 Processor 541 Supporting Hyper-Threading Technology ²	ATX	BX80547PG3200EK	3.20 GHz	64-Bit/32-Bit	800 MHz	1MB L2	LGA775	7 35858 17619 4
Pentium 4 Processor 531 Supporting Hyper-Threading Technology ²	ATX BTX Type I ¹	BX80547PG3000EK BX80547PG3000EKT	3 GHz	64-Bit/32-Bit	800 MHz	1MB L2	LGA775	7 35858 17569 2 7 35858 17670 5

continued on next page

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

continued from previous page

PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT ¹	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Pentium® 4 Processor 521 Supporting Hyper-Threading Technology ²	ATX	BX80547PQG2800EK	2.80 GHz	64-Bit/32-Bit	800 MHz	1MB L2	LGA775	7 35658 17568 5
Pentium 4 Processor 506 2.66 GHz	ATX	BX80547PE2667EN	2.66 GHz	64-bit/32-bit	533 MHz	1MB L2	LGA775	7 35658 17656 9
Pentium 4 Processor 3.40 GHz Supporting Hyper-Threading Technology ²	ATX	BX80546PQG3400E	3.40 GHz	32-Bit	800 MHz	1MB L2	478-pin FC-PGA2	7 35658 17617 0
Pentium 4 Processor 3.20 GHz Supporting Hyper-Threading Technology ²	ATX	BX80546PQG3200E	3.20 GHz	32-Bit	800 MHz	1MB L2	478-pin FC-PGA2	7 35658 16593 8
Pentium 4 Processor 3E GHz Supporting Hyper-Threading Technology ²	ATX	BX80546PQG3000E	3 GHz	32-Bit	800 MHz	1MB L2	478-pin FC-PGA2	7 35658 16635 5
PROCESSOR NAME	THERMAL SOLUTION COMPATIBILITY	BOXED PRODUCT CODE	CLOCK SPEED	ARCHITECTURE SUPPORT	FRONT SIDE BUS	CACHE	PACKAGE	UPC CODE
Intel® Celeron® D Processor 355	ATX	BX80547RE3330CN	3.33 GHz	64-Bit/32-Bit	533 MHz	256KB L2	LGA775	7 35658 17869 3
Celeron D Processor 351	ATX	BX80547RE3200CK	3.20 GHz	64-Bit/32-Bit	533 MHz	256KB L2	LGA775	7 35858 17559 3
Celeron D Processor 350	ATX	BX80546RE3200C	3.20 GHz	32-Bit	533 MHz	256KB L2	478-pin FC-PGA2	7 35858 17533 3
Celeron D Processor 346	ATX	BX80547RE3066CK	3.06 GHz	64-Bit/32-Bit	533 MHz	256KB L2	LGA775	7 35858 17561 6
Celeron D Processor 345	ATX	BX80546RE3066C	3.06 GHz	32-Bit	533 MHz	256KB L2	478-pin FC-PGA2	7 35858 17168 7
Celeron D Processor 341	ATX	BX80547RE2933CK	2.93 GHz	64-Bit/32-Bit	533 MHz	256KB L2	LGA775	7 35858 17613 2
Celeron D Processor 340	ATX	BX80546RE2933C	2.93 GHz	32-Bit	533 MHz	256KB L2	478-pin FC-PGA2	7 35858 16987 5
Celeron D Processor 336	ATX	BX80547RE2800CK	2.80 GHz	64-Bit/32-Bit	533 MHz	256KB L2	LGA775	7 35858 17614 9
Celeron D Processor 335	ATX	BX80546RE2800C	2.80 GHz	32-Bit	533 MHz	256KB L2	478-pin FC-PGA2	7 35858 16599 0
Celeron D Processor 331	ATX	BX80547RE2667CK	2.66 GHz	64-Bit/32-Bit	533 MHz	256KB L2	LGA775	7 35658 17615 6
Celeron D Processor 330	ATX	BX80546RE2667C	2.66 GHz	32-Bit	533 MHz	256KB L2	478-pin FC-PGA2	7 35658 16600 3
Celeron D Processor 326	ATX	BX80547RE2533CK	2.53 GHz	64-Bit/32-Bit	533 MHz	256KB L2	LGA775	7 35658 17616 3
Celeron D Processor 325	ATX	BX80546RE2533C	2.53 GHz	32-Bit	533 MHz	256KB L2	478-pin FC-PGA2	7 35658 16601 0
Celeron D Processor 315	ATX	BX80546RE2267C	2.26 GHz	32-Bit	533 MHz	256KB L2	478-pin FC-PGA2	7 35658 17190 1

¹ Intel® EM64T requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel EM64T. Processor will not operate (including 32-bit operation) without an Intel EM64T-enabled BIOS.² Performance will vary depending on your hardware and software configurations. See www.intel.com/it/embd4 for more information including details on which processors support Intel EM64T or consult with your system vendor for more information.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 <http://www.intel.com/it/ht/perfthreading> for more information including details on which processors support HT Technology.⁴ Refers to Balanced Technology Extended (BTX) Type 1 thermal solution.Please refer to the product quick reference matrix located on Intel Reseller Center: www.intel.com/resellerIntel 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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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 and Classic Series Desktop Boards, it's easier than ever to assemble an optimized platform tailored to your unique needs.

Featured Technologies

The Intel® Pentium® D Dual-Core Processor

Incorporating two independent execution cores into one processor, the Intel® Pentium® D dual-core processor is a natural evolution of Hyper-Threading Technology. Two independent execution cores deliver expanded system resources, giving Pentium D dual-core processor-equipped platforms the flexibility to handle entertainment, multimedia editing, background system tasks, and multiple users at the same time.



Extreme Series	Executive Series	Media Series	Classic Series
High Performance Intel® Desktop Boards take gaming performance to new levels of intensity. INCLUDES: • Intel® EM64T • Intel® Memory Pipeline Technology • Intel® High Definition Audio (Enables 7.1 Surround Sound) • Designed for Dolby® Master Studio* • Dual PCI Express* Graphics Slots • Intel® Matrix Storage Technology • 1394a/1394b	From a small business to the largest enterprise, Intel® Desktop Boards are designed to maximize efficiency in your digital office. INCLUDES: • Intel® EM64T • Trusted Platform Module • Optional Intel® Active Management Technology • Intel® PRO 10/100/1000 Network Connection • Intel® Graphics Media Accelerator 950 • Intel® Matrix Storage Technology • 1394a	The digital home PC is optimized to capture, edit and share digital media, making it easier to access and enjoy content anytime and anywhere. INCLUDES: • Intel® EM64T • Intel® High Definition Audio (Enables 7.1 Surround Sound) • Intel® Graphics Media Accelerator 950 • Intel® Matrix Storage Technology • 1394a	Stable and reliable boards are the right choice for users who want key technology and solid performance at a mainstream price. INCLUDES: • Intel® EM64T • Optional 1394a Support • Intel® High Definition Audio (Enables 5.1 Surround Sound) • Intel® Graphics Media Accelerator 950

Intel® Graphics Media Accelerator 950

This onboard graphics solution boosts graphics performance with richer colors, sharper visual clarity and smoother video playback while enabling output to a wide range of displays. This feature also supports two displays, allowing users to simultaneously enjoy a DVD movie on one display and chat/email on the other.

Intel® Matrix Storage Technology

Helps guard against data loss due to hard drive failure with RAID 1, 5 and 10 or delivers faster access to music, video and photos with RAID 0, 5 and 10.

Intel® High-Definition Audio

This onboard audio solution enables theater-quality, 7.1 Dolby®-certified surround sound and digital audio output for an immersive gaming or media experience. Multiple audio streams also enable improved voice recognition and VoIP capabilities.

Hyper-Threading Technology (HT Technology)¹ can enable your software to “see” two processors.

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

Series	Extreme Series		Media Series
	Product Family Form Factor	Product Code/UPC	Product Code/UPC
10-pack Product Code/UPC	ATX BOXD955XBKLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858173803	BALANCED Technology Extended (BTX) BOXD955XCSLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858173834	ATX BOXD945PVSCLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858173865
	BLKD955X/BKLKR (Intel PRO 10/100/1000, ICH7R) / 00735858173810 KD955X/BKRPK10 (Intel PRO 10/100/1000, ICH7R)	BLKD955X/CSLKR (Intel PRO 10/100/1000, ICH7R) / 00735858173841 KD955X/CSKRPK10 (Intel PRO 10/100/1000, ICH7R)	BLKD945P/SLKR (Intel PRO 10/100/1000, ICH7R) / 00735858173872 KD945P/VSCLKRPK10 (Intel PRO 10/100/1000, ICH7R)
Processor Support	Intel® Pentium® Extreme Edition processor, Pentium® D processor, Pentium® 4 Processor Extreme Edition ¹ , and Pentium® 4 processor in the LGA775 package	Intel® Pentium® Extreme Edition processor, Pentium® D processor, Pentium® 4 Processor Extreme Edition ¹ , and Pentium® 4 processor in the LGA775 package	Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package
Platform Compatibility Guide	05A, 05B, 04A, 04B	05A, 05B, 04A, 04B	05A, 05B, 04A, 04B
Supported FSB	1066 MHz / 800 MHz	1066 MHz / 800 MHz	1066 MHz / 800 MHz / 533 MHz
Chipset	Intel® 955X Express Chipset	Intel® 955X Express Chipset	Intel® 945P Express Chipset
Supports HT Technology ¹	Yes	Yes	Yes
Graphics	None	None	None
Graphics Connector	PCI Express® x16	PCI Express® x16	PCI Express® x16
Memory Support	DDR2 667 / 533 SDRAM 4 slots, Dual-channel (8GB Max) ECC and non-ECC memory support	DDR2 667 / 533 SDRAM 4 slots, Dual-channel (8GB Max) ECC and non-ECC memory support	DDR2 667 / 533 / 400 ² SDRAM 4 slots, Dual-channel (4GB Max)
Expansion Slots	1 PCI Express® x1, 3 PCI, 1 PCI Express x4 (routed to a physical PCI Express x16 connector)	1 PCI Express® x1, 3 PCI, 1 PCI Express x4 (routed to a physical PCI Express x16 connector)	2 PCI Express® x1, 4 PCI
Audio	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical, 1 coax). Designed for Dolby® Master Studio ³	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical, 1 coax). Designed for Dolby® Master Studio ³	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical)
USB Ports	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers
1394	1 IEEE-1394a back port and up to 2 internal headers for IEEE-1394a/b	1 IEEE-1394a back port and up to 2 internal headers for IEEE-1394a/b	Up to 3 IEEE-1394a ports (1 back port)
Storage	4 SATA ports (3.0 Gb/s), Discrete SATA RAID Controller with 4 additional SATA Ports and ATA 100/66 up to four devices	4 SATA ports (3.0 Gb/s), Discrete SATA RAID Controller with 4 additional SATA Ports and ATA 100/66 up to four devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices
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)	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 PRO 10/100/1000 Network Connection	Intel PRO 10/100/1000 Network Connection
TPM	No	No	No
Lead Free Software	Board Only	Board Only	Board Only
Intel Advanced BIOS	Intel® Express Installer Intel® Desktop Utilities ³ Intel® Audio Studio Pro Intel® Desktop Control Center ⁴ City of Heroes ⁵ InterVideo® Home Theater Silver Musicmatch® Jukebox Jasc® Paint Shop Photo Album 5: Starter Edition Kaspersky® AntiVirus Business Optima ⁶	NTI CD-Maker ⁷ Norton® Internet Security 2005 Norton® AntiVirus FastStone Gamedrive ⁸ InterVideo® MediaOne® Silver Kingsoft® PowerWord® 2005 ⁹ Kingsoft® AntiVirus 2005 ⁹ Kingsoft® WPS Office Storm ⁹ Yahoo!® Toolbar with Anti-spy	Intel® Express Installer Intel® Desktop Utilities ³ Intel® Audio Studio Pro Intel® Desktop Control Center ⁴ City of Heroes ⁵ InterVideo® Home Theater Silver Musicmatch® Jukebox Jasc® Paint Shop Photo Album 5: Starter Edition Kaspersky® AntiVirus Business Optima ⁶
	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 Firmware Interface (EFI) Intel® Rapid BIOS Boot Intel® Precision Cooling Technology
Warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty





Series	Media Series	Executive Series	Classic Series
	Intel® Desktop Board D945GNTL	Intel® Desktop Board D945GNT	Intel® Desktop Board D945GNT
Product Family Form Factor	ATX	ATX	ATX
Product Code/UPC	BOXD945GNTLFR (Intel® PRO 10/100, ICH7R) / 00735858174657	BOXD945GNTLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858174671	BOXD945GNTL (Intel® PRO 10/100) / 00735858174695
10-pack Product Code/UPC	BLKD945GNTLFR (Intel PRO 10/100, ICH7R) / 00735858174664 KD945GNTLFRPAK10 (Intel PRO 10/100, ICH7R)	BLKD945GNTLKR (Intel PRO 10/100/1000, ICH7R) / 00735858174688 KD945GNTLKRPAK10 (Intel PRO 10/100/1000, ICH7R)	BLKD945GNTL (Intel PRO 10/100) / 00735858174701 KD945GNTLPAK10 (Intel PRO 10/100)
Processor Support	Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B	Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B	Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B
Platform Compatibility Guide			
Supported FSB	1066 MHz / 800 MHz / 533MHz	1066 MHz / 800 MHz / 533MHz	1066 MHz / 800 MHz / 533MHz
Chipset	Intel® 945G Express Chipset	Intel® 945G Express Chipset	Intel® 945G Express Chipset
Supports HT Technology*	Yes	Yes	Yes
Graphics	Intel® Graphics Media Accelerator 950 PCI Express® x16	Intel® Graphics Media Accelerator 950 PCI Express® x16	Intel® Graphics Media Accelerator 950 PCI Express® x16
Graphics Connector	DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB* Max)	DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB* Max)	DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB* Max)
Memory Support	2 PCI Express® x1, 4 PCI	2 PCI Express® x1, 4 PCI	2 PCI Express® x1, 4 PCI
Expansion Slots	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical)	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing
Audio	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers
USB Ports	Up to 3 IEEE-1394a ports (1 back port)	Up to 3 IEEE-1394a ports (1 back port)	None
1394	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices
Storage	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
RAID	Intel PRO 10/100 Network Connection	Intel PRO 10/100/1000 Network Connection	Intel PRO 10/100 Network Connection
On-Board LAN	No	Yes	No
TPM	Yes	Yes	Yes
Lead Free	Intel® Express Installer Intel® Desktop Utilities* Intel® Audio Studio Pro City of Heroes* InterVideo® Home Theater Silver Musicmatch® Jukebox Jasc® Paint Shop Photo Album 5: Starter Edition Kaspersky® Antivirus Business Optima® NTI CD-Maker* Norton® Internet Security 2005 Norton® AntiVirus	Intel® Express Installer Intel® Desktop Utilities* Intel® Audio Studio Wave Systems® EMBA55V* Trust Suite Norton® Internet Security 2005 Kaspersky® Antivirus Business Optima® Jasc® Paint Shop Photo Album 5: Starter Edition Farstone VirtualDrive* Farstone RestoreIt!® Gold Kingsoft® WPS Office Storm® Kingsoft® Antivirus 2005* Yanoc® Toolbar with Anti-spy LANDesk® System Manager*	Intel® Express Installer Intel® Desktop Utilities* Intel® Audio Studio Farstone RestoreIt!® Lite Norton® Internet Security 2005 InterVideo® Home Theater Silver Musicmatch® Jukebox Jasc® Paint Shop Photo Album 5: Starter Edition Kaspersky® Antivirus Business Optima® InterVideo® MediaOne® Silver Kingsoft® Antivirus 2005* Yanoc® Toolbar with Anti-spy
Software	Farstone GameDrive* Farstone RestoreIt!® Gold InterVideo® MediaOne® Silver Kingsoft® PowerWorld® 2005* Kingsoft® Antivirus 2005* Kingsoft® WPS Office Storm® Yanoc® Toolbar with Anti-spy LANDesk® System Manager*		
Intel Advanced BIOS	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
Warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty

Series	Media Series			Executive Series			Classic Series		
Product Family Form Factor	Intel® Desktop Board D945GTP			Intel® Desktop Board D945GTP			Intel® Desktop Board D945GTP		
Product Code/UPC	Micro ATX BOXD945GTPPLR (Intel® PRO 10/100, ICH7R) / 00735858174718			Micro ATX BOXD945GTPPLKR (Intel® PRO 10/100/1000, ICH7R) / 00735858174732			Micro ATX BOXD945GTPPL (Intel® PRO 10/100) / 00735858174756		
10-pack Product Code/UPC	BLKD945GTPLR (Intel PRO 10/100, ICH7R) / 00735858174725 KD945GTPLRPAK10 (Intel PRO 10/100, ICH7R)			BLKD945GTPPKR (Intel PRO 10/100/1000, ICH7R) / 00735858174749 KD945GTPPKRPAK10 (Intel PRO 10/100/1000, ICH7R)			BLKD945GTPPL (Intel PRO 10/100) / 00735858174763 KD945GTPPLPAK10 (Intel PRO 10/100)		
Processor Support	Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B			Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B			Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B		
Platform Compatibility Guide									
Supported FSB	1066 MHz / 800 MHz / 533MHz Intel® 945G Express Chipset			1066 MHz / 800 MHz / 533MHz Intel® 945G Express Chipset			1066 MHz / 800 MHz / 533MHz Intel® 945G Express Chipset		
Chipset	Yes			Yes			Yes		
Supports HT Technology ¹	Yes			Yes			Yes		
Graphics	Intel® Graphics Media Accelerator 950 PCI Express* x16			Intel® Graphics Media Accelerator 950 PCI Express* x16			Intel® Graphics Media Accelerator 950 PCI Express* x16		
Graphics Connector	PCI Express* x16			PCI Express* x16			PCI Express* x16		
Memory Support	DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB* Max)			DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB* Max)			DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB* 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)			Intel® High Definition Audio: Flexible 6-channel audio with jack sensing			Intel® High Definition Audio: Flexible 6-channel audio with jack sensing		
USB Ports	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers Up to 3 IEEE-1394a ports (1 back port)			Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers Up to 3 IEEE-1394a ports (1 back port)			Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers None		
Storage RAID	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)			4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)			4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices None		
On-Board LAN	Intel PRO 10/100 Network Connection			Intel PRO 10/100/1000 Network Connection with Intel® Active Management Technology			Intel PRO 10/100 Network Connection		
TPM	No			Yes			No		
Lead Free Software	Yes			Yes			Yes		
Intel Advanced BIOS	Intel® Express Installer Intel® Desktop Utilities ³ Intel® Audio Studio Pro City of Heroes ⁴ InterVideo® Home Theater Silver Musicmatch® Jukebox Jasc® Paint Shop Photo Album 5: Starter Edition Kaspersky® AntiVirus Business Optimai ⁵ NTI CD-Maker ⁶ Norton® Internet Security 2005 Norton® AntiVirus			Intel® Express Installer Intel® Desktop Utilities ³ Intel® Audio Studio Wave Systems® EMBA5SY™ Trust Suite Norton® Internet Security 2005 Kaspersky® AntiVirus Business Optimai ⁵ Jasc® Paint Shop Photo Album 5: Starter Edition FastStone VirtualDrive ⁷ FastStone RestoreIt™ Gold Kingsoft® WPS Office Storm® Kingsoft® AntiVirus™ 2005 ⁸ Yahoo!™ Toolbar with Anti-spy LANDesk® System Manager ⁹			Intel® Express Installer Intel® Desktop Utilities ³ Intel® Audio Studio FastStone RestoreIt™ Lite Norton® Internet Security 2005 InterVideo® Home Theater Silver Kaspersky® AntiVirus Business Optimai ⁵ Musicmatch® Jukebox Jasc® Paint Shop Photo Album 5: Starter Edition InterVideo® MediaOne® Silver Kingsoft® AntiVirus 2005 ⁸ Yahoo!™ Toolbar with Anti-spy		
Warranty	3 year limited warranty			3 year limited warranty			3 year limited warranty		

Series	Media Series		
	Product Family Form Factor	Product Code/UPC	10-pack Product Code/UPC
Processor Support Platform Compatibility Guide Supported FSB Chipset Supported HT Technology¹ Graphics Graphics Connector Memory Support Expansion Slots Audio USB Ports 1394 Storage RAID On-Board LAN TPM Lead Free Software Intel Advanced BIOS Warranty	Intel® Desktop Board D945GCZ 	Micro Balanced Technology Extended (Micro BTX) BOXD945GCZLFR (Intel® PRO 10/100, ICH7R) / 00735858174770	BLKD945GCZLFR (Intel PRO 10/100, ICH7R) / 00735858174787 KD945GCZLRPAK10 (Intel PRO 10/100, ICH7R) Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B
	Intel® Desktop Board D945GCZ	Micro Balanced Technology Extended (Micro BTX) BOXD945GCZLFR (Intel® PRO 10/100/1000, ICH7R) / 00735858174794	BLKD945GCZLFR (Intel PRO 10/100/1000, ICH7R) / 00735858174800 KD945GCZLRPAK10 (Intel PRO 10/100/1000, ICH7R) Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B
	Intel® Desktop Board D945GCZ	Micro Balanced Technology Extended (Micro BTX) BOXD945GCZL (Intel® PRO 10/100) / 00735858174817	BLKD945GCZL (Intel PRO 10/100) / 00735858174824 KD945GCZLRPAK10 (Intel PRO 10/100) Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B
	1066 MHz / 800 MHz / 533MHz Intel® 945G Express Chipset Yes	1066 MHz / 800 MHz / 533MHz Intel® 945G Express Chipset Yes	1066 MHz / 800 MHz / 533MHz Intel® 945G Express Chipset Yes
	Intel® Graphics Media Accelerator 950 PCI Express® x16	Intel® Graphics Media Accelerator 950 PCI Express® x16	Intel® Graphics Media Accelerator 950 PCI Express® x16
	DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB Max) 1 PCI Express® x1, 2 PCI	DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB Max) 1 PCI Express® x1, 2 PCI	DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB Max) 1 PCI Express® x1, 2 PCI
	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog, 1 optical) Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers Up to 3 IEEE-1394a ports (1 back port)	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers Up to 3 IEEE-1394a ports (1 back port)	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers Up to 3 IEEE-1394a ports (1 back port)
	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices Intel® Matrix Storage Technology (NCQ, Hot Plug, RAID 0, 1, 10, 5, and Matrix RAID)	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices None
	Intel PRO 10/100 Network Connection	Intel PRO 10/100/1000 Network Connection with Intel® Active Management Technology	Intel PRO 10/100 Network Connection
	No Yes	Yes Yes	No Yes
	Intel® Express Installer Intel® Desktop Utilities³ Intel® Audio Studio Pro City of Heroes⁴ Intel/Video® Home Theater Silver Musicmatch® Jukebox Jasc® Paint Shop Photo Album 5: Starter Edition Kaspersky® Antivirus Business Optima¹ NTI CD-Maker⁴ Norton® Internet Security 2005 Norton® Antivirus	Intel® Express Installer Intel® Desktop Utilities³ Intel® Audio Studio Wave Systems® EMBA5SY™ Trust Suite Norton® Internet Security 2005 Kaspersky® Antivirus Business Optima¹ Jasc® Paint Shop Photo Album 5: Starter Edition FastStone VirtualDrive⁴ Kingsoft® WPS Office Storm® Kingsoft® Antivirus⁴ 2005⁵ Yahoo!® Toolbar with Anti-spy LANDesk® System Manager⁴	Intel® Express Installer Intel® Desktop Utilities³ Intel® Audio Studio FastStone RestoreIt!™ Gold Intel/Video® MediaOne® Silver Kingsoft® PowerWord® 2005⁵ Kingsoft® Antivirus 2005⁵ Kingsoft® WPS Office Storm® Jasc® Paint Shop Photo Album 5: Starter Edition FastStone RestoreIt!™ Gold Kingsoft® WPS Office Storm® Kingsoft® Antivirus⁴ 2005⁵ Yahoo!® Toolbar with Anti-spy
	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	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	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



Series	Classic Series		N/A
	Intel® Desktop Board D945PSN	Intel® Desktop Board D945PAW	Intel® Desktop Board D915PBL
Product Family	ATX	Micro Balanced Technology Extended (Micro BTX)	ATX
Form Factor			
Product Code/UPC	BOXD945PSNLK (Intel® PRO 10/100/1000) / 00735858173902	BOXD945PAWLK (Intel® PRO 10/100/1000) / 00735858174039	BOXD915PBL (Intel® PRO 10/100) / 00735858166430
10-pack Product Code/UPC	BLKD945PSNLK (Intel PRO 10/100/1000) / 00735858174831 KD945PSNLKPAK10 (Intel PRO 10/100/1000)	BLKD945PAWLK (Intel PRO 10/100/1000) / 00735858174046 KD945PAWLKPAK10 (Intel PRO 10/100/1000)	BLKD915PBL (Intel PRO 10/100) / 00735858166447 KD915PBLPAK10 (Intel PRO 10/100)
Processor Support	Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B	Intel® Pentium® D processor, Pentium® 4 processor, and Celeron® D processor in the LGA775 package 05A, 05B, 04A, 04B	Intel® Pentium® 4 processor in the LGA775 package 04A, 04B
Platform Compatibility Guide			
Supported FSB	1066 MHz / 800 MHz / 533MHz	1066 MHz / 800 MHz / 533MHz	800 MHz / 533 MHz
Chipset	Intel® 945P Express Chipset	Intel® 945P Express Chipset	Intel® 915P Express Chipset
Supports HT Technology¹	Yes	Yes	Yes
Graphics	None	None	None
Graphics Connector	PCI Express® x16	PCI Express® x16	PCI Express® x16
Memory Support	DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB* Max)	DDR2 667 / 533 / 400* SDRAM 4 slots, Dual-channel (4GB* Max)	DDR2 533 / 400* SDRAM 4 slots, Dual-channel (4GB* Max)
Expansion Slots	2 PCI Express® x1, 4 PCI	1 PCI Express® x1, 2 PCI	2 PCI Express® x1, 4 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 8-channel audio with jack sensing (back ports: 5 analog, 1 optical, 1 coax)
USB Ports	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers
1394	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)
Storage	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices	4 SATA ports (3.0 Gb/s) and ATA 100/66 up to four devices	SATA150 (1.5Gb/s) (4 ports) and ATA100/66 up to two devices
RAID	None	None	Intel® Matrix Storage Technology RAID 0/1* and Matrix RAID
On-Board LAN	Intel PRO 10/100/1000 Network Connection	Intel PRO 10/100/1000 Network Connection	Intel PRO 10/100 Network Connection
TPM	No	No	No
Lead Free Software	Yes	Yes	No
Intel Advanced BIOS	Intel® Express Installer Intel® Desktop Utilities³ Intel® Audio Studio FastStone RestoreIt!™ Lite Norton® Internet Security 2005 InterVideo® Home Theater Silver Kaspersky® Antivirus Business Optimaf Musicmatch® Jukebox Jasc® Paint Shop Photo Album 5: Starter Edition InterVideo® MediaOne® Silver Kingsoft® Antivirus 2005⁵ Yahoo!® Toolbar with Anti-spy	Intel® Express Installer Intel® Desktop Utilities³ Intel® Audio Studio FastStone RestoreIt!™ Lite Norton® Internet Security 2005 InterVideo® Home Theater Silver Kaspersky® Antivirus Business Optimaf Musicmatch® Jukebox Jasc® Paint Shop Photo Album 5: Starter Edition InterVideo® MediaOne® Silver Kingsoft® Antivirus 2005⁵ Yahoo!® Toolbar with Anti-spy	Intel® Express Installer Intel® Desktop Control Center⁴ Intel® Audio Studio (with Dolby® Digital Live and Sonic Focus³) Intel® Desktop Utilities³ Norton Internet Security⁴ NTI® CD-Maker Musicmatch® Jukebox GamesSpy® Arcade InterVideo® Home Theater Silver InterVideo® WinDVD Creator Silver FastStone® RestoreIt!™ Lite LANDesk® System Manager⁴
Warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series	Intel® Desktop Board D915PGN			Intel® Desktop Board D915GMH	Intel® Desktop Board D915GEV
	Product Family	Form Factor	Product Code/UPC	Product Family	Form Factor
10-pack Product Code/UPC	ATX	Intel® Desktop Board D915PGN	BOXD915PGN / 00735858166294 BOXD915PGNL (Intel® PRO 10/100) / 00735858166270	Micro Balanced Technology Extended (Micro BTX)	ATX
	BLKD915PGN / 00735858166300 KD915PGNPAK10 BLKD915PGNL (Intel PRO 10/100) / 00735858166287 KD915PGNLPAK10 (Intel PRO 10/100)	BLKD915GMHL (Intel PRO 10/100) / 00735858167147 KD915GMHLPAK10 (Intel PRO 10/100) BLKD915GMHLK (GbE LAN) / 00735858167161 KD915GMHLKPAK10 (GbE LAN)	BOXD915GMHL (Intel® PRO 10/100) / 00735858167130 BOXD915GMHLK (GbE LAN) / 00735858167154 BOXD915GMHLK (GbE LAN) / 00735858166065	BLKD915GEV / 00735858166119 KD915GEVPAK10 BLKD915GEVL (Intel PRO 10/100) / 00735858166096 KD915GEVLPAK10 (Intel PRO 10/100) BLKD915GEVLK (GbE LAN) / 00735858166072 KD915GEVLKPAK10 (GbE LAN)	BOXD915GEV / 00735858166102 BOXD915GEVL (Intel® PRO 10/100) / 00735858166089 BOXD915GEVLK (GbE LAN) / 00735858166065
Processor Support	Intel® Pentium® 4 processor and Celeron® D processor in the LGA775 package	Intel® Pentium® 4 processor in the LGA775 package	Intel® Pentium® 4 processor in the LGA775 package	Intel® Pentium® 4 processor and Celeron® D processor in the LGA775 package	Intel® Pentium® 4 processor and Celeron® D processor in the LGA775 package
Platform Compatibility Guide	04A, 04B	04A, 04B	04A, 04B	04A, 04B	04A, 04B
Supported FSB	800 MHz / 533 MHz	800 MHz / 533 MHz	800 MHz / 533 MHz	800 MHz / 533 MHz	800 MHz / 533 MHz
Chipset	Intel® 915P Express Chipset	Intel® 915G Express Chipset	Intel® 915G Express Chipset	Intel® 915G Express Chipset	Intel® 915G Express Chipset
Supports HT Technology¹	Yes	Yes	Yes	Yes	Yes
Graphics	None	Intel® Graphics Media Accelerator 900	Intel® Graphics Media Accelerator 900	Intel® Graphics Media Accelerator 900	Intel® Graphics Media Accelerator 900
Graphics Connector	PCI Express® x16	PCI Express® x16	PCI Express® x16	PCI Express® x16	PCI Express® x16
Memory Support	DDR 400® / 333¹¹¹² SDRAM 4 slots, Dual-channel (4GB³ Max)	DDR 400® / 333¹¹¹² SDRAM 4 slots, Dual-channel (4GB³ Max)	DDR 400® / 333¹¹¹² SDRAM 4 slots, Dual-channel (4GB³ Max)	DDR2 533 / 400³ SDRAM 4 slots, Dual-channel (4GB³ Max)	DDR2 533 / 400³ SDRAM 4 slots, Dual-channel (4GB³ Max)
Expansion Slots	2 PCI Express® x1, 4 PCI	1 PCI Express® x1, 2 PCI	1 PCI Express® x1, 2 PCI	2 PCI Express® x1, 4 PCI	2 PCI Express® x1, 4 PCI
Audio	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog) (D915GMHL SKUs only) Flexible 6-channel audio with jack sensing (D915GMHLK SKUs only)	Intel® High Definition Audio: Flexible 8-channel audio with jack sensing (back ports: 5 analog) (D915GMHL SKUs only) Flexible 6-channel audio with jack sensing (D915GMHLK SKUs only)	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing	Intel® High Definition Audio: Flexible 6-channel audio with jack sensing
USB Ports	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers
1394	None	2 internal headers (D915GMHL SKUs only)	2 internal headers (D915GMHL SKUs only)	None	None
Storage	SATA150 (1.5Gb/s) (4 ports) and ATA100/66 up to two devices	SATA150 (1.5Gb/s) (4 ports) and ATA100/66 up to two devices	SATA150 (1.5Gb/s) (4 ports) and ATA100/66 up to two devices	SATA150 (1.5Gb/s) (4 ports) and ATA100/66 up to two devices	SATA150 (1.5Gb/s) (4 ports) and ATA100/66 up to two devices
RAID	None	Intel® Matrix Storage Technology (RAID 0/1³ and Matrix RAID) (D915GMHLK SKUs only)	Intel® Matrix Storage Technology (RAID 0/1³ and Matrix RAID) (D915GMHLK SKUs only)	None	None
On-Board LAN	Intel PRO 10/100 Network Connection or No-LAN	Gigabit LAN Solution or Intel PRO 10/100 Network Connection	Gigabit LAN Solution or Intel PRO 10/100 Network Connection	Gigabit LAN Solution, Intel PRO 10/100 Network Connection, or No-LAN	Gigabit LAN Solution, Intel PRO 10/100 Network Connection, or No-LAN
TPM	No	Yes on Gigabit LAN SKU	Yes on Gigabit LAN SKU	Yes on Gigabit LAN SKU	Yes on Gigabit LAN SKU
Lead Free	No	No	No	No	No
Software	Intel® Express Installer Intel® Desktop Utilities³ Sonic Focus³ Norton Internet Security³ NTT® CD-Maker Musicmatch® Jukebox InterVideo® Home Theater Silver	Intel® Express Installer Intel® Desktop Utilities³ Intel® Audio Studio Wave Systems® EMBASSY³ Trust Suite (on TPM SKU) Norton Internet Security³ NTT® CD-Maker	Musmatch® Jukebox InterVideo® Home Theater Silver InterVideo® WinDVD Creator Silver FastStone® RestoreIt! Lite LANDesk® System Manager³ WebEx³	Intel® Express Installer Intel® Desktop Utilities³ Sonic Focus³ Wave Systems® EMBASSY³ Trust Suite (on TPM sku) Norton Internet Security³ NTT® CD-Maker	Musmatch® Jukebox InterVideo® Home Theater Silver InterVideo® WinDVD Creator Silver FastStone® RestoreIt! Lite LANDesk® System Manager³ WebEx³
Intel Advanced BIOS	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	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
Warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series				
	Intel® Desktop Board D915GAV	N/A	N/A	N/A
Product Family Form Factor	ATX	Micro ATX	ATX	Micro ATX
Product Code/UPC	BOXD915GAV / 00735858166188 BOXD915GAVL (Intel® PRO 10/100) / 00735858166164	BOX09156AQL (Intel® PRO 10/100) / 00735858166201 BOX9156AQLK (GbE LAN) / 00735858171885	BOXD915PCY / 00735858166638 BOXD915PCYL (Intel® PRO 10/100) / 00735858166652	BOXD865GVHZ / 00735858166366 BOXD865GVHZL (Intel® PRO 10/100) / 00735858168373
10-pack Product Code/UPC	BLKD915GAV / 00735858166195 KD915GAVPAK10 BLKD915GAVL (Intel PRO 10/100) / 00735858166171 KD915GAVLPAK10 (Intel PRO 10/100)	BLKD915GAGL (Intel PRO 10/100) / 00735858166218 KD915GAGLPAK10 (Intel PRO 10/100) BLK915GAGLKL (GbE LAN) / 00735858171878 KD915GAGLPAK10 (GbE LAN)	BLKD915PCY / 00735858166621 KD915PCYPAK10 BLKD915PCYL (Intel PRO 10/100) / 00735858166645 KD915PCYPAK10 (Intel PRO 10/100)	BLKD865GVHZ / 00735858168380 KD865GVHZL PAK10 BLK865GVHZL (Intel PRO 10/100) / 00735858168397 KD865GVHZLPAK10 (Intel PRO 10/100)
Processor Support	Intel® Pentium® 4 processor and Celeron® D processor in the LGA775 package	Intel® Pentium® 4 processor and Celeron® D processor in the LGA775 package	Intel® Pentium® 4 processor and Celeron® D processor in the LGA775 package	Intel® Pentium® 4 processors 2.26 GHz or higher, Celeron® D processor, and Celeron® processor 2.0 GHz or higher, as well as the 1.8a GHz in the 478-pin package
Platform Compatibility Guide	04A, 04B	04A, 04B	04A, 04B	Not Applicable
Supported FSB	800 MHz / 533 MHz	800 MHz / 533 MHz	800 MHz / 533 MHz	800 MHz / 533 MHz / 400 MHz
Chipset	Intel® 915G Express Chipset	Intel® 915G Express Chipset	Intel® 915P Express Chipset	Intel® 865GV Chipset
Supports HT Technology¹	Yes	Yes	Yes	Yes
Graphics	Intel® Graphics Media Accelerator 900	Intel® Graphics Media Accelerator 900	None	Intel® Extreme Graphics 2
Graphics Connector	PCI Express* x16	PCI Express* x16	PCI Express* x16	None
Memory Support	DDR 400 ¹⁰ / 333 ^{11,12} SDRAM 4 slots, Dual-channel (4GB Max)	DDR 400 ¹⁰ / 333 ^{11,12} SDRAM 4 slots, Dual-channel (4GB Max)	DDR2 533 / 400 ¹³ SDRAM 4 slots, Dual-channel (4GB Max)	DDR 400 ¹⁰ / 333 ^{11,12} / 266 SDRAM 2 slots, Dual-channel (2GB Max)
Expansion Slots	2 PCI Express* x1, 4 PCI	1 PCI Express* x1, 2 PCI	2 PCI Express* x1, 4 PCI	3 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	2 Channel AC '97 Audio
USB Ports	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers	Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers
1394	None	None	None	None
Storage	SATA150 (1.5Gbps) (4 ports) and ATA100/66 up to two devices	SATA150 (1.5Gbps) (4 ports) and ATA100/66 up to two devices	SATA150 (1.5Gbps) (4 ports) and ATA100/66 up to two devices	SATA150 (1.5Gbps) (2 ports) and ATA100/66 up to four devices
RAID	None	None	None	None
On-Board LAN	Intel PRO 10/100 Network Connection or No-LAN	Gigabit LAN solution or Intel PRO/10/100 Network Connection	Intel PRO 10/100 Network Connection or No-LAN	Intel PRO 10/100 Network Connection or No-LAN
TPM	No	No	No	No
Lead Free Software	No	No	No	No
Intel Advanced BIOS	Intel® Express Installer Intel® Desktop Utilities* Sonic Focus* Norton Internet Security* NTT® CD-Maker Musicmatch* Jukebox WebEx**	Intel® Express Installer Intel® Desktop Utilities* Sonic Focus* Norton Internet Security* NTT® CD-Maker Musicmatch* Jukebox WebEx**	Intel® Express Installer Intel® Desktop Utilities* Sonic Focus* Norton Internet Security* NTT® CD-Maker Musicmatch* Jukebox WebEx**	Intel® Express Installer Intel® Active Monitor Sonic Focus* Norton Internet Security* NTT® CD-Maker RealOne® Player Diskeeper® Lite InterVideo® WinDVD Recorder Silver FastStone® RestoreIt! Lite
Warranty	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	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	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	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



INTEL® PRO DESKTOP ADAPTERS

10/100/1000 Mbps - OVER - COPPER		10/100 Mbps - 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 Product Code— Bulk Twenty Packs (Full-Height End-Brackets) Product Code— Bulk Twenty Packs (Low-Profile End Brackets) Connector Ethernet Controllers Bus Width and Type			
EXP9300PT	PWLA8391GT	PLA8460C3	PLA8460M
EXP9300PTBLK	PWLA8391GTBLK	PLA8460C3BLK	PLA8460MBLK20
EXP9300PTLPBLK	PWLA8391GTLBLK	N/A	N/A
1 RJ-45	1 RJ-45	1 RJ-45	1 RJ-45
Intel® 82572EI	Intel® 82541PI	Intel® 82550EY	Intel® 825510M
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 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/itc/hyperthreading for information.
- ² 130 nm based Intel® Pentium® 4 Extreme Edition Processors not supported by Intel® 965X Express Chipset.
- ³ Intel® Desktop Utilities includes: hardware monitoring, DiskKeeper™ Lite defragmentation, NTI Backup Now®, StressTest®, and Symantec® Security Check.
- ⁴ Internet download, may require third-party registration.
- ⁵ Russian only
- ⁶ Chinese only
- ⁷ DDR2 400 memory only supported in combination with Intel® processors in the LGA775 package with 800-MHz and 533-MHz system bus.
- ⁸ System resources (such as PCI and PCI Express) require physical memory address locations that reduce available memory addresses above 3GB. This may result in less than 4 GB of memory being available to the operating system and applications.

- ⁹ SATA 150 (1.5Gb/s) and RAID 0/1 support with Windows 2000 and Windows® XP only.
 - ¹⁰ DDR 400 memory only supported in combination with Intel® Pentium® 4 processor with 800-MHz system bus.
 - ¹¹ When using an 800-MHz FSB CPU, DDR 333 memory is clocked at 320 MHz. This minimizes system latencies to optimize system performance.
 - ¹² DDR 333 memory not supported in combination with Intel® Pentium® 4 processor with 400 MHz system bus.
- 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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1005/MS/AT Part number: 252642-015 **October 2005**



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



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 765	BXM80536GC2100F	2.10 GHz	90 nanometer	400 MHz	2MB L2	Micro-FCPGA
Intel Pentium M Processor 760	BX80536GE2000FJ	2.0 GHz	90 nanometer	533 MHz	2MB L2	Micro-FCPGA
Intel Pentium M Processor 755	BXM80536GC2000F	2 GHz	90 nanometer	400 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 745	BXM80536GC1800F	1.80 GHz	90 nanometer	400 MHz	2MB L2	Micro-FCPGA
Intel Pentium M Processor 740	BX80536GE1733FJ	1.73 GHz	90 nanometer	533 MHz	2MB L2	Micro-FCPGA
Intel Pentium M Processor 735	BXM80536GC1700F	1.70 GHz	90 nanometer	400 MHz	2MB L2	Micro-FCPGA
PROCESSOR NAME	PRODUCT CODE	CLOCK SPEED	ARCHITECTURE	FRONT SIDE BUS	CACHE	PACKAGE
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
Intel Celeron M Processor 360J	BX80536NC1400EJ	1.40 GHz	90 nanometer	400 MHz	1MB L2	Micro-FCPGA
Intel Celeron M Processor 360	BXM80536NC1400E	1.40 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	CHANNELS SUPPORTED
Intel® PRO/Wireless 2915ABG Network Connection	WM3B2915AGNAXF ¹	802.11a/b/g	2.4-2.4972, 5.15-5.35, 5.725-5.825 GHz	1-11
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915AGRWXF ¹	802.11a/b/g	2.4-2.4972, 5, 5.725-5.825 GHz	1-13
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915AGEUXF ¹	802.11a/b/g	2.4-2.4972, 5, 5.15-5.35, 5.47-5.725 GHz	1-13
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915AGJPXF ¹	802.11a/b/g	2.4-2.4972, 5, 5.15-5.25 GHz	1-14
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915ABGNA	802.11a/b/g	2.4-2.4972, 5.15-5.35, 5.725-5.825 GHz	1-11
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915ABGEU	802.11a/b/g	2.4-2.4972, 5, 5.15-5.35, 5.47-5.725 GHz	1-13
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915ABGJP	802.11a/b/g	2.4-2.4972, 5, 5.15-5.25 GHz	1-14
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915ABGRW	802.11a/b/g	2.4-2.4972, 5, 5.725-5.825 GHz	1-13
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915ABGNAX	802.11a/b/g	2.4-2.4972, 5.15-5.35, 5.725-5.825 GHz	1-11
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915ABGEUX	802.11a/b/g	2.4-2.4972, 5, 5.15-5.35, 5.47-5.725 GHz	1-13
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915ABGJPX	802.11a/b/g	2.4-2.4972, 5, 5.15-5.25 GHz	1-14
Intel PRO/Wireless 2915ABG Network Connection	WM3B2915ABGRWX	802.11a/b/g	2.4-2.4972, 5, 5.725-5.825 GHz	1-13
Intel PRO/Wireless 2200BG Network Connection	WM3B2200BGWXXF ¹	802.11b/g	2.4-2.4835 GHz	1-11
Intel PRO/Wireless 2200BG Network Connection	WM3B2200BGRWXXF ¹	802.11b/g	2.4-2.4972 GHz	1-14 ²
Intel PRO/Wireless 2200BG Network Connection	WM3B2200BGMW2	802.11b/g	2.4-2.4835 GHz	1-11
Intel PRO/Wireless 2200BG Network Connection	WM3B2200BGRW3	802.11b/g	2.4-2.4972 GHz	1-14 ²
Intel PRO/Wireless 2200BG Network Connection	WM3B2200BGMWWB2	802.11b/g	2.4-2.4835 GHz	1-11
Intel PRO/Wireless 2200BG Network Connection	WM3B2200BGRWWB2	802.11b/g	2.4-2.4972 GHz	1-14 ¹
Intel PRO/Wireless 2100 Network Connection	WM3B2100NAWB3	802.11b	2.4-2.4835 GHz	1-11
Intel PRO/Wireless 2100 Network Connection	WM3B2100WWB3	802.11b	2.4-2.4972 GHz	1-14 ²
Intel PRO/Wireless 2100 Network Connection	WM3B2100NAA3	802.11b	2.4-2.4835 GHz	1-11
Intel PRO/Wireless 2100 Network Connection	WM3B2100WW3	802.11b	2.4-2.4972 GHz	1-14 ²

For more information, visit the Intel Web site at: www.intel.com/products/mobiletechnology/prowireless.htm

¹ Preferred SKU

² Typical frequency range is 2.4 to 2.4835 (supporting Channels 1-13), but range extend to 2.497 with passive scanning to support Japan's Channel 14.

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.

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1005/MS/AT Part Number: 252630-013 **October 2005**



INTEL® SERVER/WORKSTATION PROCESSORS



BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
Dual-Core Intel® Xeon™ Processor 7041	BX80560KG3000H	90 nanometer	800 MHz	4MB (2x2)	4+	604-pin	TBD
Dual-Core Intel Xeon Processor 7040	BX80560KF3000H	90 nanometer	667 MHz	4MB (2x2)	4+	604-pin	TBD
Dual-Core Intel Xeon Processor 7030	BX80560KG2800F	90 nanometer	800 MHz	2MB (1x1)	4+	604-pin	TBD
Dual-Core Intel Xeon Processor 7020	BX80560KF2660F	90 nanometer	667 MHz	2MB (1x1)	4+	604-pin	TBD
Intel Xeon Processor MP 3.33 GHz	BX80546KF3333M	90 nanometer	667 MHz	8MB	4+	604-pin	7 35858 17440 4
Intel Xeon Processor MP 3 GHz	BX80546KF3000M	90 nanometer	667 MHz	8MB	4+	604-pin	7 35858 17441 1
Intel Xeon Processor MP 2.83 GHz	BX80546KF2833H	90 nanometer	667 MHz	4MB	4+	604-pin	7 35858 17442 8
Intel Xeon Processor MP 3.66 GHz	BX80546KF3660E	90 nanometer	667 MHz	1MB	4+	604-pin	7 35858 17432 9
Intel Xeon Processor MP 3.16 GHz	BX80546KF3160E	90 nanometer	667 MHz	1MB	4+	604-pin	7 35858 17431 2
Intel Xeon Processor MP 3 GHz	BX80532KC3000H	0.13 micron	400 MHz	4MB	4+	603-pin	7 35858 16484 9
Intel Xeon Processor MP 2.70 GHz	BX80532KC2700F	0.13 micron	400 MHz	2MB	4+	603-pin	7 35858 16485 6
Intel Xeon Processor MP 2.20 GHz	BX80532KC2200F	0.13 micron	400 MHz	2MB	4+	603-pin	7 35858 16486 3
Intel Xeon Processor MP 2 GHz	BX80532KC2000E	0.13 micron	400 MHz	1MB	4+	603-pin	7 35858 16141 1
BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
Dual-Core Intel® Xeon™ Processor 2.80 GHz	BX80551KG2800HP (passive heatsink)	90 nanometer	800 MHz	4MB (2x2)	2	604-pin	TBD
Dual-Core Intel Xeon Processor 2.80 GHz	BX80551KG2800HA (active heatsink)	90 nanometer	800 MHz	4MB (2x2)	2	604-pin	TBD
Dual-Core Intel Xeon Processor 2.80 GHz	BX80551KG2800HU (TU heatsink)	90 nanometer	800 MHz	4MB (2x2)	2	604-pin	TBD
Intel Xeon Processor 3.80 GHz	BX80546KG3800FP (passive heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17249 3
Intel Xeon Processor 3.80 GHz	BX80546KG3800FA (active heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17248 6
Intel Xeon Processor 3.80 GHz	BX80546KG3800FU (TU heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17250 9

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
Intel® Xeon™ Processor 3.60 GHz	BX80546KG3600FP (passive heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17232 5
Intel Xeon Processor 3.60 GHz	BX80546KG3600FA (active heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17227 1
Intel Xeon Processor 3.60 GHz	BX80546KG3600FU (IU heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17237 0
Intel Xeon Processor 3.40 GHz	BX80546KG3400FP (passive heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17231 8
Intel Xeon Processor 3.40 GHz	BX80546KG3400FA (active heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17226 4
Intel Xeon Processor 3.40 GHz	BX80546KG3400FU (IU heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17236 3
Intel Xeon Processor 3.20 GHz	BX80546KG3200FP (passive heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17230 1
Intel Xeon Processor 3.20 GHz	BX80546KG3200FA (active heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17224 0
Intel Xeon Processor 3.20 GHz	BX80546KG3200FU (IU heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17235 6
Intel Xeon Processor 3 GHz	BX80546KG3000FP (passive heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17229 5
Intel Xeon Processor 3 GHz	BX80546KG3000FA (active heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17223 3
Intel Xeon Processor 3 GHz	BX80546KG3000FU (IU heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17234 9
Intel Xeon Processor 2.80 GHz	BX80546KG2800FP (passive heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17228 8
Intel Xeon Processor 2.80 GHz	BX80546KG2800FA (active heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17222 6
Intel Xeon Processor 2.80 GHz	BX80546KG2800FU (IU heatsink)	90 nanometer	800 MHz	2MB	2	604-pin	7 35858 17233 2
Intel Xeon Processor 3.60 GHz	BX80546KG3600EP (passive heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16803 8
Intel Xeon Processor 3.60 GHz	BX80546KG3600EA (active heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16802 1
Intel Xeon Processor 3.60 GHz	BX80546KG3600EU (IU heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16804 5

continued on next page

continued from previous page

BRAND AND CORE SPEED	BOXED PRODUCT CODE	ARCHITECTURE	FRONT SIDE BUS	CACHE	# OF CPUS SUPPORTED	PACKAGE	UPC CODE
Intel® Xeon™ Processor 3.40 GHz	BX80546KG3400EP (passive heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16806 9
Intel Xeon Processor 3.40 GHz	BX80546KG3400EA (active heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16805 2
Intel Xeon Processor 3.40 GHz	BX80546KG3400EU (IU heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16808 3
Intel Xeon Processor 3.20 GHz	BX80546KG3200EP (passive heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16809 0
Intel Xeon Processor 3.20 GHz	BX80546KG3200EA (active heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16807 6
Intel Xeon Processor 3.20 GHz	BX80546KG3200EU (IU heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16810 6
Intel Xeon Processor 3 GHz	BX80546KG3000EP (passive heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16812 0
Intel Xeon Processor 3 GHz	BX80546KG3000EA (active heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16811 3
Intel Xeon Processor 3 GHz	BX80546KG3000EU (IU heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16813 7
Intel Xeon Processor 2.80 GHz	BX80546KG2800EP (passive heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16815 1
Intel Xeon Processor 2.80 GHz	BX80546KG2800EA (active heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16814 4
Intel Xeon Processor 2.80 GHz	BX80546KG2800EU (IU heatsink)	90 nanometer	800 MHz	1MB	2	604-pin	7 35858 16816 8

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1005/MS/AT Part Number: 252625-013 **October 2005**



INTEL® SERVER BOARDS



Boards	Intel® Server Board SE7520AF2	Intel® Server Board SE7520BD2 (DDR2, SCSI)	Intel® Server Board SE7520BD2 (DDR2, V)
	Outstanding performance, excellent data protection, and advanced management for departmental servers	General-purpose server solution supporting powerful processing, high bandwidth and scalable management	Powerful processing, high bandwidth, and scalable management for general-purpose servers
Order Code	SE7520AF2	SE7520BD2SCSID2	SE7520BD2VD2
Intel® Server Chassis Support	Intel® Server Chassis SC5300	Intel® Server Chassis SC5300 Intel® Entry Server Chassis SC5295DP Intel® Entry Server Chassis SC5295BRP Intel® Entry Server Chassis SC5275-E	Intel® Server Chassis SC5300 Intel® Entry Server Chassis SC5295DP Intel® Entry Server Chassis SC5295BRP Intel® Entry Server Chassis SC5275-E
Processor Support¹	Intel® Xeon™ Processor	Intel® Xeon™ Processor	Intel® Xeon™ Processor
Number of Processors Supported	2	2	2
System Bus Speed	800MHz	800MHz	800MHz
Chipset	Intel® E7520 Chipset Intel® IOP332 I/O Processor with Intel XScale® Technology	Intel® E7520 Chipset	Intel® E7520 Chipset
Independent PCI Buses	7	6	5
Total Slots	5	6	5
Slot Types	1 x PCI Express* x8 1 x PCI Express* x4 2 x PCI-X 133MHz 1 x PCI-X 100MHz	1 x PCI Express* x8 1 x PCI Express* x4 1 x PCI-X 133MHz 2 x PCI-X 100MHz 1 x PCI 32-bit/33MHz 5V	1 x PCI Express* x4 1 x PCI-X 133MHz 2 x PCI-X 100MHz 1 x PCI 32-bit/33MHz 5V
Memory Capacity	16GB ECC DDR2 400 (8 DIMMs)	16GB ECC DDR2 400 (8 DIMMs)	16GB ECC DDR2 400 (8 DIMMs)
Integrated SCSI	2 x U320 SCSI channels with integrated RAID 0 and 1²	2 x U320 SCSI channels with integrated RAID 0 and 1²	1 x U320 SCSI channels with integrated RAID 0 and 1²
Integrated ATA	1 channel supporting up to 2 IDE devices	2 channels supporting up to 4 IDE devices	2 channels supporting up to 4 IDE devices
Integrated Serial ATA	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATT* with 8MB memory	ATT* with 8MB memory	ATT* with 8MB memory
Server Management Support	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with support for optional Intel® Management Modules
Intel® RAID Support	Optional full-featured integrated Intel® RAID can be activated via the Intel® RAID Activation Key². Optional battery back-up of the RAID cache is provided by the optional Intel® Portable Cache Module.	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.

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

Boards				
	General-purpose server solution supporting powerful processing, high bandwidth and scalable management			
Order Code	SE7520BD2(SATAD2)	SE7520BD2(SCSI)	SE7520BD2	SE7520BDV
Intel® Server Chassis Support	Intel® Server Chassis SC5300 Intel® Entry Server Chassis SC5295DP Intel® Entry Server Chassis SC5295BRP Intel® Entry Server Chassis SC5275-E	Intel® Server Chassis SC5300 Intel® Entry Server Chassis SC5275-E	Intel® Server Chassis SC5300 Intel® Entry Server Chassis SC5275-E	Intel® Server Chassis SC5300 Intel® Entry Server Chassis SC5275-E
Processor Support¹	Intel® Xeon™ Processor	Intel® Xeon™ Processor	Intel® Xeon™ Processor	Intel® Xeon™ Processor
Number of Processors Supported	2	2	2	2
System Bus Speed	800MHz	800MHz	800MHz	800MHz
Chipset	Intel® E7520 Chipset	Intel® E7520 Chipset	Intel® E7520 Chipset	Intel® E7520 Chipset
Independent PCI Buses	6	6	6	6
Total Slots	5	6	5	5
Slot Types	1 x PCI Express* x8 1 x PCI Express* x4 1 x PCI-X 133MHz 2 x PCI-X 100MHz 1 x PCI 32-bit/33MHz 5V	1 x PCI Express* x8 1 x PCI Express* x4 1 x PCI-X 133MHz 2 x PCI-X 100MHz 1 x PCI 32-bit/33MHz 5V	1 x PCI Express* x4 1 x PCI-X 133MHz 2 x PCI-X 100MHz 1 x PCI 32-bit/33MHz 5V	1 x PCI Express* x4 1 x PCI-X 133MHz 2 x PCI-X 100MHz 1 x PCI 32-bit/33MHz 5V
Memory Capacity	16GB ECC DDR2 400 (8 DIMMs)	16GB ECC DDR2 400 (8 DIMMs)	16GB ECC DDR2 400 (8 DIMMs)	12GB ECC DDR 266/333 (6 DIMMs)
Integrated SCSI	Not Available	2 x U320 SCSI channels with integrated RAID 0 and 1²	Not Available	1 x U320 SCSI channels with integrated RAID 0 and 1²
Integrated ATA	2 channels supporting up to 4 IDE devices	2 channels supporting up to 4 IDE devices	2 channels supporting up to 4 IDE devices	2 channels supporting up to 4 IDE devices
Integrated Serial ATA	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATI® with 8MB memory	ATI® with 8MB memory	ATI® with 8MB memory	ATI® with 8MB memory
Server Management Support	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with support for optional Intel® Management Modules
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.	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 SE7320SP2	Intel® Server Board SE7525GP2
	<i>Entry-level server board for small and medium businesses</i>	<i>Dual-purpose server/workstation board supporting extreme I/O and graphics bandwidth</i>	<i>Powerful processing, high bandwidth, and scalable management for general-purpose servers</i>	<i>Real server features that provide room-to-grow for small business server solutions</i>
Order Code	SE7320EP2ADG EP7320EP2SA4 (additional 4 port add-in SATA card)	SE7525RP2	SE7320SP2	SE7525GP2
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 SC5300 Intel® Entry Server Chassis SC5275-E	Intel® Server Chassis SC5300 Intel® Entry Server Chassis SC5275-E
Processor Support¹	Intel® Xeon™ Processor	Intel® Xeon™ Processor	Intel® Xeon™ Processor	Intel® Xeon™ Processor
Number of Processors Supported	2	2	2	2
System Bus Speed	800MHz	800MHz	800MHz	800MHz
Chipset	Intel® E7320 Chipset	Intel® E7525 Chipset	Intel® E7320 Chipset	Intel® E7525 Chipset
Independent PCI Buses	3	4	3	3
Total Slots	5	6	5	6
Slot Types	1 x PCI Express* x4 2 x PCI-X 66MHz 1 x PCI 32-bit/33MHz 5V	1 x PCI Express* x16 1 x PCI Express* x4 2 x PCI-X 66MHz 2 x PCI 32-bit/33MHz	1 x PCI Express* x8 1 x PCI Express* x4 1 x PCI-X 133MHz 2 x PCI-X 100MHz 1 x PCI 32-bit/33MHz 5V	1 x PCI Express* x4 2 x PCI-X 66MHz 2 x PCI 32-bit/33MHz
Memory Capacity	8GB ECC DDR2 400 (4 DIMMs)	8GB ECC DDR2 400 (4 DIMMs)	12GB ECC DDR 266/333 (6 DIMMs)	8GB ECC DDR 266/333 (4 DIMMs)
Integrated SCSI	–	–	–	–
Integrated ATA	1 channel supporting up to 2 IDE devices	1 channel supporting up to 2 IDE devices	2 channels supporting up to 4 IDE devices	2 channels supporting up to 4 IDE devices
Integrated Serial ATA	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²
Integrated LAN	2 x Gigabit Ethernet connections	1 x Gigabit Ethernet connections	1 x Gigabit Ethernet connection	1 x Gigabit Ethernet connection
Integrated Graphics	ATI* with 8MB memory	ATI* with 8MB memory	ATI* with 8MB memory	ATI* with 8MB memory
Server Management Support	Intel® Server Management 8	Intel® Server Management 8	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8
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.	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				
Order Code	Intel® Server Board SE7520JR2	Intel® Server Board SE7520JR2	Intel® Server Board SE7520JR2	Intel® Server Board SE7520JR2
Intel® Server Chassis Support	SE7520JR2SCSID2	SE7520JR2SCSID1	SE7520JR2ATAD2	SE7520JR2ATAD1
Processor Support¹	Intel® Server Chassis SR1400 (1U) Intel® Server Chassis SR2400 (2U) Intel® Xeon™ Processor	Intel® Server Chassis SR1400 (1U) Intel® Server Chassis SR2400 (2U) Intel® Xeon™ Processor	Intel® Server Chassis SR1400 (1U) Intel® Server Chassis SR2400 (2U) Intel® Xeon™ Processor	Intel® Server Chassis SR1400 (1U) Intel® Server Chassis SR2400 (2U) Intel® Xeon™ Processor
Number of Processors Supported	2	2	2	2
System Bus Speed	800MHz	800MHz	800MHz	800MHz
Independent PCI Buses	Intel® E7520 Chipset	Intel® E7520 Chipset	Intel® E7520 Chipset	Intel® E7520 Chipset
Total Slots	4	4	4	4
Slot Types	6 (2U) 2 (1U) 1U Option One: 2 PCI-X 100MHz Option Two: 1 PCI-X 100MHz and 1 PCI Express* x8 2U Option One: 6 PCI-X 100/66MHz Option Two: 2 PCI-X 133MHz (Active) and 4 PCI-X 100/66MHz* Option Three: 4 PCI-X 100/66MHz* and 2 PCI Express* x4	6 (2U) 2 (1U) 1U Option One: 2 PCI-X 100MHz Option Two: 1 PCI-X 100MHz and 1 PCI Express* x8 2U Option One: 6 PCI-X 100/66MHz Option Two: 2 PCI-X 133MHz (Active) and 4 PCI-X 100/66MHz* Option Three: 4 PCI-X 100/66MHz* and 2 PCI Express* x4	6 (2U) 2 (1U) 1U Option One: 1 PCI-X 100MHz and 1 PCI-X 133MHz Option Two: 1 PCI-X 100MHz and 1 PCI Express* x8 2U Option One: 6 PCI-X 133/100/66MHz Option Two: 2 PCI-X 133MHz (Active) and 4 PCI-X 100/66MHz* Option Three: 4 PCI-X 100/66MHz* and 2 PCI Express* x4	6 (2U) 2 (1U) 1U Option One: 1 PCI-X 100MHz and 1 PCI-X 133MHz Option Two: 1 PCI-X 100MHz and 1 PCI Express* x8 2U Option One: 6 PCI-X 133/100/66MHz Option Two: 2 PCI-X 133MHz (Active) and 4 PCI-X 100/66MHz* Option Three: 4 PCI-X 100/66MHz* and 2 PCI Express* x4
Memory Capacity	12GB ECC DDR2 400 (6 DIMMs)	12GB ECC DDR 266/333 (6 DIMMs)	12GB ECC DDR2 400 (6 DIMMs)	12GB ECC DDR 266/333 (6 DIMMs)
Integrated SCSI	2 x U320 SCSI channels with integrated RAID 0 and 1²	2 x U320 SCSI channels with integrated RAID 0 and 1²	–	–
Integrated ATA	2 channels supporting up to 4 IDE devices	2 channels supporting up to 4 IDE devices	2 channels supporting up to 4 IDE devices	2 channels supporting up to 4 IDE devices
Integrated Serial ATA	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²	2 channels with support for RAID 0 and 1²
Integrated LAN	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATT* with 8MB memory	ATT* with 8MB memory	ATT* with 8MB memory	ATT* with 8MB memory
Server Management Support	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with support for optional Intel® Management Modules
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.	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 SE7320VP2		Intel® Server Board SE7320VP2		Intel® Entry Server Board SE7230NH1-E		Intel® Entry Server Board SE7221BK1-E	
	<i>High density optimized server board for entry-level parallel computing and front-end solutions</i>		<i>High density optimized server board for entry-level parallel computing and front-end solutions</i>		Essential server features for entry-level applications		<i>Basic Server-Class Features and PCI Express® I/O Interconnect Technology for Entry-Level Server Applications</i>	
Order Code	SE7320VP2D2		SE7320VP2		SE7230NH1		SE7221BK1 SE7221BK1LX (includes one Intel® Adaptive Slot and two Intel® Pro 1000 network connections)	
Intel® Server Chassis Support	Intel® Server Platform SRI 435VP2 (see 1U platform section for details) Intel® Server Chassis SR2400 (2U)		Intel® Server Platform SRI 435VP2 (see 1U platform section for details) Intel® Server Chassis SR2400 (2U)		Intel® Server Chassis SRI 475		Intel® Entry Server Chassis SC5250-E Intel® Server Platform SRI425BK1-E (see 1U platform section for details)	
Processor Support¹	Intel® Xeon™ Processor		Intel® Xeon™ Processor		Intel® Pentium® 4 processor (775-pin PLGA)		Intel® Pentium® 4 processor (775-pin PLGA)	
Number of Processors Supported	2		2		1		1	
System Bus Speed	800MHz		800MHz		1066 MHz / 800 MHz		800 MHz / 533 MHz	
Chipset	Intel® E7320 Chipset		Intel® E7320 Chipset		Intel® E7230 Chipset		Intel® E7221 Chipset	
Independent PCI Buses	4		–		–		–	
Peer PCI Buses	–		4		4		4	
Total Slots	1 x Intel® Adaptive Slot		1 x Intel® Adaptive Slot		5		4	
Slot Types	1U <i>Option One:</i> 1 x PCI Express® x4 and 1 x PCI-X 66MHz <i>Option Two:</i> 2 x PCI-X 66MHz 2U 1 x PCI Express® x4 and 3 x PCI-X 66MHz		1U <i>Option One:</i> 1 x PCI Express® x4 and 1 x PCI-X 66MHz <i>Option Two:</i> 2 x PCI-X 66MHz 2U 1 x PCI Express® x4 and 3 x PCI-X 66MHz		LC SKU 1 x PCI Express® x4 connector (x1 lane) 2 x 32-bit, 33 MHz PCI connectors 1 x PCI Express® x8 connector (x4 lane) 1 x PCI Express® x8 connector LX SKU 1 x PCI Express® x4 connector (x1 lane) 2 x 32-bit, 33 MHz PCI connectors 1 x Intel/Adaptive slot supporting PCI-X 64/133 and PCI Express x8 1 x PCI-X 64/133		1 x PCI Express® x8 2 x PCI-X 100MHz 1 x PCI 32/33 MHz	
Memory Capacity	12GB ECC DDR2 400 (6 DIMMs)		12GB ECC DDR 266/333 (6 DIMMs)		8GB DDR2 667/533/400 ECC SDRAM		4GB ECC DDR2 533/400 SDRAM (4 DIMMs)	
Integrated SCSI	–		–		–		–	
Integrated ATA RAID	–		–		Single channel ATA 100 supporting up to 2 IDE devices		–	
Integrated Serial ATA	2 channels with support for RAID 0 and 1²		2 channels with support for RAID 0 and 1²		4 ports standard with integrated 0 channel RAID support in the BIOS (RAID levels 0, 1, and 10)		4 ports (RAID 0, 1, 10)	
Integrated LAN	2 x Gigabit Ethernet connections		2 x Gigabit Ethernet connections		1 x Intel® PRO/1000 Server Network Connections		1 or 2 x Intel® PRO/1000 Server Network Connections	
Integrated Graphics Server Management Support	ATT® with 8MB memory Intel® Server Management 8		ATT® with 8MB memory Intel® Server Management 8		16MB integrated ATT® Graphics Intel® Server Management 8		Intel SVGA Intel® Server Management 8	
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.		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 SE7221BA1-E		Intel® Server Board S875WP1-E		Intel® Entry Server Board SE7210TP1-E	
	Essential features for entry-level server applications		Essential features for entry-level server applications		Entry-level features and enhanced I/O for basic server applications	
Order Code	SE7221BA1	S875WP1 S875WP1LX (+4 Port SATA RAID)	SE7210TP1 SE7210TP1SCSI (includes integrated Ultra320 SCSI)			
Intel® Server Chassis Support	Intel® Entry Server Chassis SC5250-E	Intel® Entry Server Chassis SC5250-E Intel® Server Chassis SC5200 (base redundant power configuration)	Intel® Entry Server Chassis SC5250-E Intel® Server Chassis SC5200 (base redundant power configuration) Intel® Server Platform SR1325TP1-E (see 1U platform section for details)			
Processor Support ¹	Intel® Pentium® 4 processor (775-pin PLGA)	Intel® Pentium® 4 processor (478-pin PPGA)	Intel® Pentium® 4 processor (478-pin PPGA)			
Number of Processors Supported	1	1	1			
System Bus Speed	800 MHz / 533 MHz	800 MHz / 533 MHz / 400 MHz	800 MHz / 533 MHz / 400 MHz			
Chipset	Intel® E7221 Chipset	Intel® 875P Chipset with Intel® Performance Acceleration Technology (Intel® PAT)	Intel® E7210 Chipset			
Peer PCI Buses	3	2 (one via CSA port)	3 (one via CSA port)			
Total Slots	6	4	4			
Slot Types	3 x 32-bit/33 MHz 1 x PCI Express* x8 2 x PCI Express* x4	3 x 32-bit/33 MHz 1 x AGP	3 x 64-bit/66 MHz PCI-X 1 x 32-bit/33 MHz			
Memory Capacity	4GB ECC DDR2 400/533 SDRAM	4GB ECC DDR 400/333/266 SDRAM	4GB ECC DDR 400/333/266 SDRAM			
Integrated SCSI	–	–	1 x Ultra 320 (SE7210TP1SCSI configuration only)			
Integrated ATA RAID	Single channel ATA 100 supporting up to 2 IDE devices	–	–			
Integrated Serial ATA	4 ports standard with integrated 0 channel RAID support in the BIOS (RAID levels 0 and 1)	2 ports standard; + 4 ports with Promise* Technology controller option (RAID levels 0, 1, 10 ²)	2 ports			
Integrated LAN	1 x Intel® PRO/1000 Server Network Connection 1x Integrated 10/100 Ethernet Controller	1 x Intel® PRO/1000 Server Network Connection 1 x Intel® PRO/100+ Server Network Connection	1 x Intel® PRO/1000 Server Network Connection 1 x Intel® PRO/100+ Server Network Connection			
Integrated Graphics	8MB Intel SVGA	ATT* with 8MB memory	ATT* with 8MB memory			
Server Management Support	Intel® Server Management 8	LANDesk* Client Manager	Intel® Server Management v5.8			
Intel® RAID Controller Compatibility (Order Code) ⁷	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	SRCU42L SRC14L	SRCU42L SRCZCR (SE7210TP1SCSI configuration only)			

¹ Refer to <http://support.intel.com/support/motherboards/server/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/up-to-date-details-on-this-feature>.
³ Intel® RAID Activation Key product code: AXXRAKU42E
⁴ PCI-X bus speed dependant upon number of PCI-X slots populated and product SKU.

⁵ 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.
⁶ Segment C can operate at 64-bit/133MHz when only one of the two slots is populated in this segment.
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1005/MS/AT Part Number: 252626-013 **October 2005**



INTEL® MANAGEMENT MODULES



Feature Description	Intel® Server Management 8 Onboard Platform Instrumentation	Intel® Management Module— Professional Edition	Intel® Management Module— Advanced Edition
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.
Order Code	Included with the purchase of your Intel® Server Board	AXXIMMPRO	AXXIMMADV
Board support ¹	Intel® Server Boards SE7320SP2, SE7320VP2, SE7525GP2, SE7520BD2, SE7520AF2, SE7520JR2, and SE7221BK1-E	Intel® Server Boards SE7520BD2, SE7520AF2, and SE7520JR2	Intel® Server Boards SE7520BD2, SE7520AF2, and SE7520JR2
Asset and Performance Reporting	X	X	X
Remote Server Restart	X	X	X
Web browser based console	X	X	X
Hardware, RAID, OS and Process Monitoring	X	X	X
Hardware RAS monitoring (Memory, redundant fans and PS, Power consumption, Hot-plug I/O)		X	X
Text Console Redirection (Serial over LAN)		X IPMI 2.0	X Enhanced ²
SNMP		X In-band agent	X Embedded ³
Embedded Telnet server (Proxy-less CLI Operations)			X
Embedded video / GUI (KVM) redirection			X
Embedded Web Server			X
Dedicated Server Management NIC			X
Agent-less Management			X

¹ For the latest server board support please visit <http://support.intel.com/support/motherboard/server>.
² Enhanced reliability (TCP based)
³ Embedded features work in any OS environment

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1005/MS/AT Part Number: 301210-005 **October 2005**



INTEL® RAID CONTROLLERS

				
Controller	Intel® RAID Controller SRCAS18E	Intel® RAID Controller SRCU42E	Intel® RAID Controller SRCZCRX	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, dual-channel Ultra320 RAID Controller with PCI Express® Interface</i>	<i>PCI-X modular ROMB controller provides up to 2 Ultra320 SCSI RAID channels</i>	<i>High-performance six-port Serial ATA RAID Controller, with SATA II enclosure management support</i>
Order Code	SRCAS18E (Ships with 256MB DIMM) AXXRPCM2 (Optional Intel® Portable Cache Module—256 MB DIMM with Battery Backup)	SRCU42E (Ships with 128MB DIMM) SRCU42EBLK (Ships without DIMM) AXXRPCM1 (Optional Intel® Portable Cache Module—128MB DIMM with Battery Backup)	SRCZCRX AXXRBUB1 (Optional Battery Backup Unit)	SRC16 AXXRBUB2 (Optional Battery Backup Unit)
Processor Support	Intel® IOP333 I/O Processor 500 MHz	Intel® IOP332 I/O Processor 500 MHz	Intel® IOP321 I/O Processor 400MHz	Intel® IOP302 I/O Processor 100MHz
Memory	Supports up to 1 GB ECC DDR2 400 Mhz Memory	Supports up to 512MB ECC DDR333	Embedded 128MB ECC SDRAM	Embedded 64MB ECC SDRAM
PCI Bus	PCI Express® x8	PCI Express® x8	PCI-X 133MHz	PCI 2.2 64-bit/66MHz
Channels	8 SAS/SATA ports internal	2 x Ultra320 SCSI	2 x Ultra320 SCSI	6 x Serial ATA
Form Factor	Full height, 3/4 length	Standard PCI	Low-profile PCI	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
Compatibility¹	—	—	—	—
Battery Backup	Yes (Optional—purchased separately)	Yes (Optional—purchased separately)	Yes (Optional—purchased separately)	Yes (Optional—purchased separately)
Cluster Support	No	Yes	No	No

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

Controller	Intel® RAID Controller		
	Intel® RAID Controller SRC528X	Intel® RAID Controller SRCU42X	Intel® RAID Controller SRCU41L
	<i>An eight-port Serial ATA II RAID solution for applications requiring high performance and reliability</i>		
Order Code	SRC528X AXXRIBBU1 (Optional Battery Backup Unit)	SRCU42X AXXRIBBU1 (Optional Battery Backup Unit)	SRCU41L AXXRIBBU2 (Optional Battery Backup Unit)
Processor Support	Intel® IOP331 I/O Processor 250MHz	Intel® IOP321 I/O Processor 400MHz	Intel® IOP80302 I/O Processor 100MHz
Memory	Embedded 128 MB ECC SDRAM	Ships with 128MB DIMM (Supports up to 512MB PC1600 ECC DDR SDRAM)	Embedded 64MB of ECC SDRAM
PCI Bus	PCI-X 133MHz	PCI-X 133 MHz (PCI 2.2 and PCI-X 1.0 compliant)	PCI 2.2 64-bit/66 MHz
Channels	8 x Serial ATA	2 x Ultra320 SCSI	1 x Ultra320 SCSI
Form Factor	Standard PCI-X	Standard PCI-X	Low-profile PCI
RAID Levels	0, 1, 5, 10, and 50	0, 1, 5, 10, and 50	0, 1, 5, 10, and 50
Compatibility ¹	–	–	–
Battery Backup	Yes (Optional—purchased separately)	Yes (Optional—purchased separately)	Yes (Optional – purchased separately)
Cluster Support	No	Yes	No



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

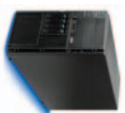
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INTEL® SERVER CHASSIS



Intel® Server Chassis
SCS300

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

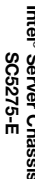
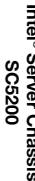
Chassis			
Configuration			
Chassis Order Code ¹	Base	BRP	LX
SCS300BASE SCS300BASENA	SCS300BRP SCS300BRPNA	SCS300LX SCS300LXNA	
Spares Kit Order Code	Maintenance kit: ARIGPMKIT	Maintenance kit: ARIGPMKIT	Maintenance kit: ARIGPMKIT
Form Factor	Pedestal or 5U rack (Requires rack conversion kit ARIGRACK)	Pedestal or 5U rack (Requires rack conversion kit ARIGRACK)	Pedestal or 5U rack (Requires rack conversion kit ARIGRACK)
Intel® Server Board Support²	Intel® Server Board SE7520AF2, SE7520BD2, SE7530GP2, and SE7520SP2	Intel® Server Board SE7520AF2 and SE7520BD2	Intel® Server Board 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—AXX6SCSIB 4 drive SCSI—AXX4SCSIB 6 drive Serial ATA—AXX6SATADB	Up to ten hot-swap drive ⁵ bays are possible with the combination of the following Drive bay upgrade kits: 6 drive SCSI—AXX6SCSIB 4 drive SCSI—AXX4SCSIB 6 drive Serial ATA—AXX6SATADB	Up to ten hot-swap drive ⁵ bays are possible with the combination of the following Drive bay upgrade kits: 6 drive SCSI—AXX6SCSIB 4 drive SCSI—AXX4SCSIB 6 drive Serial ATA—AXX6SATADB
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—via upgrade kit	Yes (fully redundant configuration requires second power module PXX730MPSU)	Yes (fully redundant configuration requires second power module PXX730MPSU)
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" x 8.6" x 26.9"	17.5" x 8.6" x 26.9"	17.5" x 8.6" x 26.9"
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
SC5295-E

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

Chassis	Configuration			
	WK	BRP	DP	UP
Chassis Order Code¹	SC5295WK	SC5295BRP	SC5295DP	SC5295UP
	SC5295WKNA	SC5295BRPNA	SC5295DPNA	SC5295UPNA
Spares Kit Order Code	Maintenance kit: FFP3PMKIT	Maintenance kit: FFP3PMKIT	Maintenance kit: FFP3PMKIT	Maintenance kit: FFP3PMKIT
Form Factor	Pedestal and Rack	Pedestal and Rack	Pedestal and Rack	Pedestal and Rack
Intel® Server Board Support²	Intel® Server Board SE7525RP2	Intel® Server Board SE7520BD2 and SE7320EP2	Intel® Server Board 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 bays³ via the following hot-swap disk drive bay upgrade kits: 6 drive SCSI—AXX6SCSIDB 6 drive Serial ATA—AXX6SATADB	Up to six hot-swap drive bays³ via the following hot-swap disk drive bay upgrade kits: 6 drive SCSI—AXX6SCSIDB 6 drive Serial ATA—AXX6SATADB	Up to six hot-swap drive bays³ via the following hot-swap disk drive bay upgrade kits: 6 drive SCSI—AXX6SCSIDB 6 drive Serial ATA—AXX6SATADB	—
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" x 9.256" x 19"	17.8" x 9.256" x 19"	17.8" x 9.256" x 19"	17.8" x 9.256" x 19"
Rack Dimensions (H x W x D)	9.256" x 17.6" x 19"	9.256" x 17.6" x 19"	9.256" x 17.6" x 19"	9.256" x 17.6" x 19"
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 SC5200	
A reliable and flexible server chassis for entry level server and work-station applications		Maximum reliability and manageability in a highly versatile server chassis	
Configuration	Base	Base Redundant Power	
Chassis Order Code¹	SC5275E SC5275ENA	KHD3BASE450 KHD3BASE450NA	KHD3RP450 KHD3RP450NA
Spares Kit Order Code	Maintenance kit: FPT2PM/KIT Cooling kit: APT2WKT/COOLKIT	FHD3SPRS	FHD3SPRS
Form Factor	Pedestal only	Pedestal or 5U rack (Requires rack conversion kit AHD2RACK or AHD3RACK)	Pedestal or 5U rack (Requires rack conversion kit AHD2RACK or AHD3RACK)
Intel® Server Board Support²	Intel® Server Board SE7520BD2, SE7320SP2, and SE7525GP2	Intel® Server Board SE7505VB2, SE7501BR2, SE7501HG2, SE7500CW2, SE7501CW2, and S875WP1-E	Intel® Server Board SE7505VB2, SE7501BR2, SE7501CW2, SE7501HG2, S875WP1-E, and SE7201TP1-E
Drive Bays	6 x fixed SCSI or IDE 1 x 3.5" floppy 2 x 5.25" bays	5 x fixed SCSI or IDE 1 x 3.5" floppy 3 x 5.25" bays³	5 x fixed SCSI or IDE 1 x 3.5" floppy 3 x 5.25" bays³
Hot-Swap Disk Drive Bay: Order Code	—	Hot-Swap U320 SCSI Drive Bay upgrade kit (supports up to 5 drives): AXX2HSDRVUG Hot-Swap Serial ATA Drive Bay upgrade kit (Up to 4 drives): ASATAHSDB	Hot-Swap U320 SCSI Drive Bay upgrade kit (supports up to 5 drives): AXX2HSDRVUG Hot-Swap Serial ATA Drive Bay upgrade kit (Up to 4 drives): ASATAHSDB
System Cooling	Supports two fixed system fans plus one power-supply fan	Supports four system fans plus one power-supply fan	Supports four system fans plus one power-supply fan
Power Supply	600-watt PFC Intel validated PSU with integrated cooling fan	450-watt PFC	450-watt, dual line cord, 1+1 PFC
Redundant Power Capable	No	No	Yes (fully redundant configuration requires second module FHD3BRP5450W)
Dimensions (H x W x D)	17.8" x 9.3" x 19.2"	17.5" x 8.6" x 26.9"	17.5" x 8.6" x 26.9"
Bezel Features	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED	Lockable Beige	Lockable Beige
Front Connectors	2 x USB	1 x USB	1 x USB

Yes (fully redundant configuration requires second module FHD3RPS450W)

 Intel® Server Chassis SR2400			
<i>A flexible and serviceable 2U rack-optimized chassis for performance-intensive and storage demanding solutions</i>			
Configuration Chassis Order Code¹ Spare Kit Order Code Form Factor Intel® Server Board Support² Drive Bays Hot-Swap Disk Drive Bay: Order Code System Cooling Power Supply Redundant Power Capable Toolless Features Dimensions (H x W x D) Bezel Features Front Connectors	SR2400 SR2400NA 2U Electrical Spare Kit: ADR2UEESPRKIT 2U Mechanical Spare Kit: ADR2UCHSPRKIT 2U rack Intel® Server Board SE7520UR2 and SE7320VP2 6 x hot-swap Ultra320 SCSI or SATA or 3x fixed drives Optional slim-line CD-ROM/DVD or floppy SCSI Backplane Kit: A2400SCSIKIT SATA Backplane Kit: A2400SATAKIT Fixed Drive Kit: AFXDRVKIT Supports optional redundant cooling with up to eight system fans and two power supply fans 700-watt, dual-line cord 1 + 1 PFC Yes (fully redundant configuration requires second power module ADR700WPS) 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 3.4" x 16.9" x 26.5"	SR1450 SR1450NA 1U Electrical Spare Kit: APL1UEESPRKIT 1U Mechanical Spare Kit: APL1UCHSPRKIT 1U rack Intel® Server Board SE7520UR2 3 x hot-swap Ultra320 SCSI or SATA drives Optional slim-line CD-ROM/DVD or floppy SCSI Backplane Kit: A1450SCSIKIT SATA Backplane Kit: A1450SATAKIT Supports five system fans plus two power-supply fans 520-watt PFC Yes 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 1.7" x 16.9" x 26.5"	SR1400 SR1400NA 1U Electrical Spare Kit: ADW1UEESPRKIT 1U Mechanical Spare Kit: ADW1UCHSPRKIT 1U rack Intel® Server Board SE7520UR2 and SE7320VP2 3 x hot-swap Ultra320 SCSI or SATA or fixed drives Optional slim-line CD-ROM/DVD or floppy SCSI Backplane Kit: A1400SCSIKIT SATA Backplane Kit: A1400SATAKIT Fixed Drive Kit: AFXDRVKIT Supports five system fans plus two power-supply fans 500-watt PFC No 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 1.7" x 16.9" x 26.5"
 Intel® Server Chassis SR1450			
<i>A 1U rack-optimized hot-swap redundant power chassis for high-performance solutions in high-density clusters</i>			
 Intel® Server Chassis SR1400			
<i>A flexible 1U rack-optimized chassis for performance-intensive solutions and high-density clusters</i>			
Black, Support for Intel® Local Control Panel: AXXLCPPACK Front Panel: AXXRACKFP			

Chassis		Intel® Entry Server Chassis SC5250-E	
Configuration		Entry-level server and workstations chassis	
Chassis Order Code¹	Base Black		
	Base Beige		
Backplane/Hot-Swap Disk Drive Bay Order Code		KPTBASE450BLK KPTBASE450BLKNA KPTBASE450 KPTBASE450NA	
Spares Kit Order Code		Ultra320 hot-swap SCSI Drive Bay (Up to 5 drives): AXX2HSDRWUG Serial ATA Drive Bay (Up to 4 drives): ASATAHSDB	
Form Factor		Maintenance kit: FPTPMKMT Cooling kit: APTWKTCOOLKIT Pedestal 5U and shelfable	
Intel® Server Board Support²		Intel® Server Board SE7505VB2, SE7501BR2, SE7501CW2, SE7500CW2, S875WP1-E, SE7721BK1-E, and SE7210TP1-E	
Drive Bays		Up to 6 fixed drive bays 2 X 5.25" bay 1 X 3.5" floppy	
System Cooling		2 system fans 1 power supply fan	
Power Supply		450 watt PFC	
Redundant Power Capable		No	
Dimensions (H x W x D)		17.8" x 9.3" x 19.1"	
Bezel Features		Optional Lockable Beige or Black (Bezel ships with chassis)	
Front Connectors		1 USB (can be expanded to 2)	



Intel® Entry Server Chassis
SC5250-E

Intel® Server Chassis
SR2300 (2U)

Entry-level server and workstations chassis

Innovative, 2U rack-optimized server chassis for flexible high-density solutions

Configuration

Chassis Order Code¹

KPTBASE450BLK
KPTBASE450BLKNA
KPTBASE450
KPTBASE450NA

500W 1+0 power supply: KSW, KSWNA
480W fixed power supply: KSW480, KSW480NA

Backplane/Hot-Swap Disk Drive Bay Order Code

Ultra320 hot-swap SCSI Drive Bay (Up to 5 drives): AXX2HSDRWUG
Serial ATA Drive Bay (Up to 4 drives): ASATAHSDB

Included with chassis

Spares Kit Order Code

Maintenance kit: FPTPMKMT
Cooling kit: APTWKTCOOLKIT

Chassis: FSWCHASSISKIT
Electrical: FSWELECTKIT

Form Factor

Pedestal 5U and shelfable

2U rack (Optional sliding rail kit order code: AXX112UBRAL)

Intel® Server Board Support²

Intel® Server Board SE7505VB2, SE7501BR2, SE7501CW2, SE7500CW2, S875WP1-E, SE7721BK1-E, and SE7210TP1-E

Intel® Server Board SE7501WV2 (SCSI)

Drive Bays

Up to 6 fixed drive bays
2 X 5.25" bay
1 X 3.5" floppy

7 x Ultra320/160 hot-swap SCSI
Optional slim-line CD-ROM/ floppy or DVD-ROM/ floppy module³
1 x 3.5" peripheral bay

System Cooling

2 system fans
1 power supply fan

Includes three instrumented system fans plus one power-supply fan; one additional system fan can be installed for redundant cooling (order code ASWFAN)

Power Supply

450 watt PFC

One 500-watt SSI TPS 1+0 (redundant option) with dual-line power receptacles or one fixed 480-watt EPS (non-redundant option) DC power supply now available⁷

Redundant Power Capable

No

Yes (Chassis KSW, KSWNA only. Redundant power requires optional second power supply, order code AXX2PSMODL500.)

Dimensions (H x W x D)

17.8" x 9.3" x 19.1"

3.4" x 16.9" x 23.5"

Bezel Features

Optional Lockable Beige or Black (Bezel ships with chassis)

Optional Lockable Black: ASWBEZBLACK

Front Connectors

1 USB (can be expanded to 2)

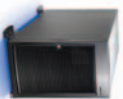
1 x VGA video, 1 x USB

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 FHDZHWKT.
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 TLPDPSU002. 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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1005MS/AT Part Number: 252628-012 **October 2005**



INTEL® SERVER PLATFORMS



Platform	Intel® Server Platform SR4850HW4	Intel® Server Platform SR6850HW4	Intel® Server Platform SC5300AF2
High-density 4U server platform for 32-bit and 64-bit mid-tier applications and database deployments requiring outstanding levels of availability and serviceability			
High-density 6U server platform for 32-bit and 64-bit enterprise applications and database deployments requiring exceptional levels of data protection and availability			
Pedestal optimized performance server platform based on the Intel® Server board SE7520AF2 and the Intel® Server Chassis SC5300LX			
Order Code¹	SHW4UR	SHW6UR	SC5300AF2 SC5300AF2NA
Components Included			- Intel Server Board SE7520AF2 PCI hot plug - Intel Server Chassis SC5300LX - Six drive hot swap SCSI (upgradable to 10) 730W power supply (redundant-capable) - Intel® Management Module Professional Edition - Pre-routed cables
Number of Processors Supported	4	4	2
Processor Support²	Intel® Xeon™ processor MP	Intel® Xeon™ processor MP	Intel® Xeon™ processor
System Bus Speed	667 MHz	667 MHz	800 MHz
Chipset	Intel® E8500 Chipset	Intel® E8500 Chipset	Intel® E7520 Chipset
PCI Buses	4	4	7
Total Slots	7	7	5
Slot Types	1 x PCI Express® x8 (not-plug) 3 x PCI Express x4 (not-plug) 1 x PCI-X 133MHz (not-plug) 2 x PCI-X 100MHz	1 x PCI Express® x8 (not-plug) 3 x PCI Express x4 (not-plug) 1 x PCI-X 133MHz (not-plug) 2 x PCI-X 100MHz	1 x PCI Express® x8 1 x PCI Express® x4 2 x PCI-X 133MHz 1 x PCI-X 100MHz
Memory Capacity	64GB ECC DDR 400 SDRAM	64GB ECC DDR 400 SDRAM	16GB ECC DDR2 400 (8 DIMMs)
Integrated SCSI	2 x Ultra320	2 x Ultra320	Dual-channel U320 SCSI with integrated RAID 0 and 1
Integrated LAN	2 x Intel® PRO 1000 Server Network Connections	2 x Intel® PRO 1000 Server Network Connections	2 x Intel® PRO/1000 Server Network Connections
Integrated Graphics	ATI® with 16MB memory	ATI® with 16MB memory	ATI® Page® with 8MB memory
Server Management Support	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with support for optional Intel® Management Modules	Intel® Server Management 8 with included Intel Management Modules Professional Edition
Intel® RAID Controller Compatibility (Order Code)³	Full-featured integrated Intel® RAID Controller turned on via the Intel® RAID Activation Key A Battery Back Up DIMM unit is also available SRCU42X SRCU42E	Full-featured integrated Intel® RAID Controller turned on via the Intel® RAID Activation Key A Battery Back Up DIMM unit is also available SRCU42X SRCU42E	Full-featured integrated Intel® RAID Controller turned on via the Intel® RAID Activation Key A Battery Back Up DIMM unit is also available
Form Factor	4U rack	6U rack (pedestal conversion kit available)	Pedestal; convertible to 5U rack with ARGRACK accessory
Drive Bays	Up to five hot-swap SCSI 2 x 5.25" (one half-height 5.25" empty, one DVD-ROM/CD-ROM filled)	Up to ten hot-swap SCSI 2 x 5.25" (one half-height 5.25" empty, one DVD-ROM/CD-ROM filled)	Platform includes 6-drive hot swap SCSI bay (upgradable to 10) and 4-drive fixed bay
System Cooling	Four fans using a 2+2 (redundant) configuration for cooling all system components	Six fans using a 5+1 (redundant) configuration for cooling all system components	Supports hot-swap redundant cooling with four high-flow system fans plus up to two power-supply fans⁴
Power Supply	1470-watt, 1+1 redundant and hot-swap	1570-watt, 1+1 redundant and hot-swap	730-watt, dual-line cord, 1+1 PFC (fully redundant configuration requires second power module, order code PXX730WPSU)
Dimensions (H x W x D)	4U, 6.8" (173 mm) x 17.6" (447 mm) x 27.8" (706 mm)	6U, 10.3" (262 mm) x 17.6" (447 mm) x 27.8" (706 mm)	17.5" x 8.6" x 26.9"

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

				
Platform	Intel® Server Platform SC5300BD2 <i>Pedestal optimized mainstream server platform based on the Intel® Server board SE7520BD2V and the Intel® Server Chassis SC5300BRP</i>	Intel® Server Platform SC5275GP2 <i>Workstation optimized platform solution based on the Intel® Server board SE7525GP2, the Intel® Entry Server Chassis SC5275-E and one Intel® Workstation Cooling Kit</i>	Intel® Server Platform SR2400JR2 <i>2U rack-optimized server platform for flexible high-density server solutions</i>	Intel® Server Platform SR1400JR2 <i>1U rack-optimized server platform for flexible high-density server solutions</i>
Order Code¹	SC5300BD2 SC5300BDNA	SC5275GP2 SC5275GPNNA	SR2400SYS, SR2400SYSNA (ECC DDR 266/333) SR2400SYS2D, SR2400SYS2DNA (ECC DDR2 400)	SR1400SYS SR1400SYSNA
Components Included	- Intel Server Board SE7520BD2V - Intel Server Chassis SC5300BRP - Six drive hot swap SCSI bay (upgradable to 10) 730W 1+0 power supply - Intel® Management Module Professional Edition - Pre-routed cables	- Intel Server Board SE7525GP2 - Intel Server Chassis SC5275-E - Six drive fixed drive bay - One workstation cooling kit 600W PFC power supply - Pre-routed cables	- Intel® Server Board SE7520JR2 - Intel® Server Chassis SR2400 - One low profile PCI-X riser, one full-height/ full-length PCI-X riser - U320 SCSI backplane - Standard control panel - Pre-routed cables	- Intel® Server Board SE7520JR2 - Intel® Server Chassis SR1400 - One low profile PCI-X riser, one full-height/ full-length PCI-X riser - U320 SCSI backplane - Standard control panel - Pre-routed cables
Number of Processors Supported	2	2	2	2
Processor Support²	Intel® Xeon™ processor	Intel® Xeon™ processor	Intel® Xeon™ processor	Intel® Xeon™ processor
System Bus Speed	800 MHz	800 MHz	800 MHz	800 MHz
Chipset	Intel® E7520 Chipset	Intel® 7525 Chipset	Intel® E7520 Chipset	Intel® E7520 Chipset
PCI Buses	6	5	4	4
Total Slots	5	6	6	2
Slot Types	1 x PCI Express® x4 1 x PCI-X 133MHz 2 x PCI-X 100MHz 1 x PCI 32-bit/33MHz 5V	1 x PCI Express® x4 1 x PCI Express® x16 2 x PCI-X 64bit/66MHz 2 x PCI 32bit/33MHz	6 x PCI-X 100/66MHz Optional Support: 2 x PCI-X 133MHz and 4 x PCI-X 100/66MHz² 4 x PCI-X 100/66MHz 2 x PCI Express® x4³	2 x PCI-X 100MHz Optional Support: 1 x PCI-X 100MHz and 1 x PCI Express® x8¹¹
Memory Capacity	12GB ECC DDR 266/333 (6 DIMMs)	8GB ECC DDR 266/333 (4 DIMMs)⁴	12GB (6 DIMMs) available in ECC DDR2 400 or ECC DDR 266/333	12GB ECC DDR 266/333 (6 DIMMs)⁵
Integrated SCSI	1 x U320 SCSI channels with integrated RAID 0 and 1 and support for modular ROMB RAID controller⁶	—	2 x U320 SCSI channels with integrated RAID 0 and 1	2 x U320 SCSI channels with integrated RAID 0 and 1
Integrated LAN	2 x Gigabit Ethernet connections	1 x Gigabit Ethernet connection	2 x Gigabit Ethernet connections	2 x Gigabit Ethernet connections
Integrated Graphics	ATI® with 8MB memory	ATI® with 8MB memory	ATI® Rage® with 8MB memory	ATI® Rage® with 8MB memory
Server Management Support	Intel® Server Management 8 with included Intel Management Modules Professional Edition	Intel® Server Management 8	Intel® Server Management 8 with support for optional management modules	Intel® Server Management 8 with support for optional management modules
Intel® RAID Controller Compatibility (Order Code)⁷	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.	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	Pedestal; convertible to 5U rack with AIRGRACK accessory	Pedestal only	2U rack	1U rack
Drive Bays	Platform includes 6-drive hot swap SCSI bay (upgradable to 10) and 4-drive fixed bay	6 x fixed SCSI or IDE 1 x 3.5" floppy 2 x 5.25" bays	6 x hot-swap Ultra320 SCSI⁸ Optional slim-line CD-ROM/DVD or floppy	3 x hot-swap Ultra320 SCSI Optional slim-line CD-ROM/DVD or floppy
System Cooling	Includes two high-flow system fans plus one power-supply fan	Supports two fixed system fans plus one power-supply fan. This kit also includes one Workstation Cooling-kit for one Intel Xeon processor	Supports optional redundant cooling with up to eight system fans and two power supply fans⁹	Supports five system fans plus two power-supply fans
Power Supply	730-watt, dual-line cord, 1+1 PFC (fully redundant configuration requires second power module, order code XT730WPSU)	600-watt PFC	700-watt, dual-line cord 1+1 PFC (fully redundant configuration requires second power module, order code AD700WPS)	500-watt PFC
Dimensions (H x W x D)	17.5" x 8.6" x 26.9"	17.8" x 9.3" x 19.1"	3.4" x 16.9" x 26.5"	1.7" x 16.9" x 26.5"





Intel® Server Platform SR1435VP2

A flexible and serviceable 1U rack-optimized platform optimized for Intel® Server Board SE7320VP2



Intel® Entry Server Platform SR1425BK1-E

1U rack-optimized server platform for performance uni-processor server solutions



Intel® Entry Server Platform SR1325TP1-E

1U rack-optimized server platform for entry-level high-density server solutions

Order Code¹	SR1435VP2D2 (power cord not included) SR1435VP2D2NA (North American power cord included)	SR1425BK1 SR1425BK1NA	SR1325TP1 (power cord not included) SR1325TP1NA (North American power cord included)
Components Included	• Intel Server Board SE7320VP2 • Intel® Server Chassis with 450W 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	• Intel® Server Board SE7221BK1LX • Intel® Server Chassis with 300W power supply • Intel® 1U heatsink • Chassis intrusion switch • CD and floppy tray assemblies • Pre-routed cables	• Intel® Entry Server Board SE7210TP1-E • Intel® Entry Server Chassis SR1325-E with 250W power supply • Intel® 1U heatsink • Cable kit • Hardware Accessory Kit • CD-ROM mounting kit
Number of Processors Supported	2	1	1
Processor Support²	Intel® Xeon™ processor	Intel® Pentium® 4 processor for LGA775 sockets	Intel® Pentium® 4 processor
System Bus Speed	800 MHz	800 MHz	800 MHz
Chipset	Intel® 7320 Chipset	Intel® E7221 Chipset	Intel® E7210 Chipset
PCI Buses	4	4	3 (One via CSA port)
Total Slots	2	1 (in 1U)	1
Slot Types	Option 1: 1 x PCI Express* x4 and 1 x PCI-X 66MHz Option 2: 2 x PCI-X 66MHz	1 x PCI Express* x8 or 1 x PCI-X 100MHz	One full-length PCI-X 64-bit/66MHz
Memory Capacity	12GB ECC DDR2 400 SDRAM (6 DIMMs)	4GB ECC DDR2 533/400 SDRAM	4GB ECC DDR 266/333/400 SDRAM
Integrated SCSI	—	—	—
Integrated LAN	2 x Gigabit Ethernet connections	2 x Intel® PRO/1000 Server Network Connection	1 x Intel® PRO/100+ Server Network Connection 1 x Intel® PRO/1000 Server Network Connection
Integrated Graphics	ATi® Rage® with 8MB memory	Intel SVGA	ATi® Rage® with 8MB memory
Server Management Support	Intel® Server Management 8	Intel® Server Management 8	Intel® Server Management v5.8
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.	SRQJ42X SRQJ42L
Form Factor	1U rack	1U rack	1U rack
Drive Bays	Up to three SATA or SCSI HDD (fixed or hot-swap) 1 x slim-line CD-ROM/floppy module	Three HDD bay for fixed or hot swap hard drives. One slimline bay for DVD, CD-ROM, or floppy drive	Two fixed HDD One bay for third HDD or slimline CD-ROM/floppy module
System Cooling	Supports five system fans plus two power-supply fans	Five fixed 40mm system fans and two power supply fans	Five fixed 40mm system fans and one power supply fan
Power Supply	450W PFC power supply	300W PFC power supply	250W PFC power supply
Dimensions (H x W x D)	1.7" x 16.9" x 26.5"	1.7" x 16.9" x 23"	1.7" x 16.9" x 23"

- 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 platform.
- ⁴ Order code AXXRKU42E.
- ⁵ Battery back up of the RAID cache is provided by the Intel® Portable Cache Module, order code AXXPCCM1.
- ⁶ Full redundancy requires the addition of an Intel® Management Module.
- ⁷ Requires full-height PCI-X "active" riser, order code ADPACTRIS.
- ⁸ Requires full-height PCI Express* riser, order code ADPCEXPRI.
- ⁹ Six drive assembly kit is required to support six drives, order code ADPSXDRIVE.
- ¹⁰ Redundant Fan Cooling Kit is required for redundant cooling or monitoring with Intel Local Control Panel, order code ADREDFANS.
- ¹¹ Requires full-height PCI Express* riser, order code ADWPCEXPRI.

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1005/MS/AT Part Number: 252629-012 **October 2005**



INTEL® PRO SERVER ADAPTERS

Intel® PRO
Network Connections

CONNECTIVITY FOR COPPER NETWORKS

10 GIGABIT-OVER-COPPER



Intel® PRO/10GbE CX4 Server Adapter	Intel® PRO/1000 MT Quad Port Server Adapter	Intel® PRO/1000 PT Dual Port Server Adapter	Intel® PRO/1000 MT Dual Port Server Adapter
Product Code—Singles PXLA8591CX4	PWLA8494MT	EXP19402PT	PWLA8492MT
Product Code—Five Packs n/a	PWLA8494MTBLK5	EXP19402PTBLK	PWLA8492MTBLK5
Connectors(s) 1 CX4	4 RJ-45	2 RJ-45	2 RJ-45
End-Brackets Full Height	Full Height	Full Height	Low Profile and Full Height
Ethernet Controller(s) Intel® 82597EX	Intel® 82546EB	Intel® 82571EB	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

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

10/100/1000 Mbps-OVER-COPPER



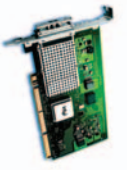
Intel® PRO/1000 PT Server Adapter	Intel® PRO/1000 MT Server Adapter	Intel® PRO/100 S Dual Port Server Adapter	Intel® PRO/100 S Server Adapter
Product Code—Singles EXP19400PT	PWLA8490MT	PILA8472C3	PILA8470C3
Product Code—Five Packs EXP19400PTBLK	PWLA8490MTBLK5	PILA8472C3PAK5	PILA8470C3PAK5
Connectors(s) 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® 82572EI	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

Help improve a server's reliability, availability and scalability by adding an Intel® PRO multi-port adapter.

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

CONNECTIVITY FOR FIBER NETWORKS

10 GIGABIT-OVER-FIBER

							
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		EXP19402PF		PWLA8492MF	
Product Code—Five Packs	N/A	N/A		EXP19402PFBLK		PWLA8492MFBLK5	
Connector(s)	1 LC	1 SC		2 LC		2 LC	
Fiber Optic Cabling	MMF 50µm	SMF 9µm		MMF 62.5/50 µm		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-X	64-bit PCI-X		PCI Express* x4		32- or 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	EXP19400PF	PWLA8490MF		PWLA8490LX		PWLA8490XF	
Product Code—Five Packs	EXP19400PFBLK	PWLA8490MFBLK5		PWLA8490LXBLK5		PWLA8490XFPAK5	
Connector(s)	1 LC	1 LC		1 LC		1 SC	
Fiber Optic Cabling	MMF 62.5/50 µm	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® 82572EI	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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Intel® PRO Server Adapters	www.intel.com/network/connectivity/index.htm

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