



Intel® Core™ 2 Duo, Quad Core, and Mobile Processor Families

Based on revolutionary Intel® Core™ microarchitecture, the breakthrough Intel® Core™ 2 Duo and Quad processor families are designed to provide powerful energy-efficient performance so designers can do more at once without slowing down. The Intel® Xeon® family delivers the breakthrough performance, energy efficiency, and reliability needed for virtualization and business-critical applications. Finally, Intel® Core™ 2 Duo mobile processors provide twice the multi-tasking performance with improved energy efficiency to enable better battery life so users get the benefit of a powerful dual-core PC plus all the benefits of mobility.



Features ▶

- Intel® Core™ microarchitecture
- Intel® Xeon® processors for entry, mid-level, and enterprise solutions
- Intel® Core™ 2 Duo mobile processors with Centrino technology

Benefits ▶

- Improved multi-tasking, revolutionary speed, and energy efficiency
- Performance and reliability for any application
- World's best mobile processor delivering breakthrough performance and great power savings

Applications ▶

- Digital home—a complete digital media platform for video, music, and images
- Digital office—enhanced security, multi-tasking, performance, and manageability
- Digital health—Intel® quality connecting people and information for better health
- Education and government—world-class reliability for K-12, college, and government solutions
- Custom appliances—point-of-sale, workstations, industrial, and security applications

Product Specifications ▶

Family	OEM Part #	Processor #	Speed	Cache	FSB	Core
Core™ 2 Duo	HH80557PH0362M	E6300	1.86 GHz	2 Mb	1,066	Dual
	HH80557PH0462M	E6400	2.13 GHz	2 Mb	1,066	Dual
	HH80557PH0364M	E6320	1.86 GHz	4 Mb	1,066	Dual
	HH80557PH0464M	E6420	2.13 GHz	4 Mb	1,066	Dual
	HH80557PH0564M	E6600	2.40 GHz	4 Mb	1,066	Dual
	HH80557PH0674M	E6700	2.66 GHz	4 Mb	1,066	Dual
Core™ 2 Quad	HH80562PH0568M	Q6600	2.40 GHz	8 Mb	1,066	Quad
Xeon® UP	HH80557KH0564M	3060	2.40 GHz	4 Mb	1,066	Dual
	HH80557KH0674M	3070	2.66 GHz	4 Mb	1,066	Dual
	HH80562QH0468M	X3210	2.13 GHz	8 Mb	1,066	Quad
	HH80562QH0568M	X3220	2.40 GHz	8 Mb	1,066	Quad
Dual Xeon®	HH80556KJ0534M	5140	2.33 GHz	4 Mb	1,333	Dual
	HH80556KJ0674M	5150	2.66 GHz	4 Mb	1,333	Dual
	HH80556KJ0804M	5160	3.00 GHz	4 Mb	1,333	Dual
	HH80563QJ0418M	E5335	2.00 GHz	8 Mb	1,333	Quad
	HH80563QJ0538M	E5345	2.33 GHz	8 Mb	1,333	Quad
	HH80563KJ0678M	X5355	2.66 GHz	8 Mb	1,333	Quad
Quad Xeon®	LF80550KG0804M	7120M	3.06 GHz	4 Mb	800	Dual
	LF80550KG0888M	7130M	3.20 GHz	8 Mb	800	Dual
	LF80550KG096007	7140M	3.40 GHz	16 Mb	800	Dual
Centrino® Core 2 Duo	LF80537GF0342M	T5600	1.83 GHz	2 Mb	667	Dual
	LF80537GF0414M	T7200	2.00 GHz	4 Mb	667	Dual
	LF80537GF0484M	T7400	2.16 GHz	4 Mb	667	Dual
	LF80537GF0534M	T7600	2.33 GHz	4 Mb	667	Dual



Intel® Desktop Boards

A powerful processor demands a powerful motherboard. Intel® desktop boards are designed to optimize the performance of Intel® processors while delivering reliable next-generation technology, value-added features, and easy integration. Intel® desktop boards are the leader in performance and energy savings, while delivering the highest standard in compatibility to third-party manufacturer add-on products. Intel® desktop boards with Intel® Core™ 2 Duo processors and Intel® Core™ 2 Quad processors are designed to take full advantage of Microsoft Windows Vista Premium.

Features ▶

- Support for the latest Intel® multi-core processors
- Intel® graphics media accelerator (on select motherboards)
- Intel® high-definition audio
- Dual-channel DDR2 SDRAM memory
- Intel® Viiv™ and vPro™ technologies (on select motherboards)

Benefits ▶

- Improved multi-tasking, revolutionary speed, and energy efficiency
- Low-cost onboard graphics solutions for mainstream performance
- Onboard, high-quality, multi-channel audio utilizing dedicated system bandwidth
- Next-generation dual-channel memory performance
- Built-in security and manageability with vPro™, or complete media entertainment with Viiv™

Applications ▶

- Digital home—a complete digital media platform for video, music, and images
- Digital office—enhanced security, multi-tasking, performance, and manageability
- Digital health—Intel® quality, connecting people and information for better health
- Education and government—world-class reliability for K-12, college, and government solutions
- Custom appliances—point-of-sale, workstations, industrial and security applications

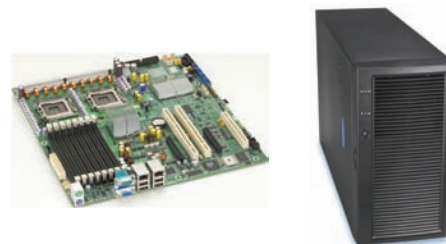
Product Specifications ▶

Type	Part Number	Processor Support	Video	Audio	LAN	Memory	Drive Support	Slot Configuration	Intel® Technology
ATX boards	BLKD975XB2KR	800/1066FSB Dual-/Quad-Core	NA	8-channel Intel® HDA	Single Gb	8 Gb DDR2 667/800 (4)	8 x SATA300 w/RAID	2 PCI/3 PCIe x16	Viiv™
	BLKD965WHMKR	800/1066FSB Dual-Core	Onboard IGMA X3000	8-channel Intel® HDA	Single Gb	8 Gb DDR2 667/800 (4)	6 x SATA300 w/RAID	3 PCI/3 PCIe x1/1 PCIe x16	Viiv™
	BLKD965RYCK	800/1066FSB Dual-Core	Onboard IGMA X3000	6-channel Intel® HDA	NA	8 Gb DDR2 667/800 (4)	4 x SATA300	3 PCI/3 PCIe x1/1 PCIe x16	NA
	BLKDP965LTCK	800/1066FSB Dual-Core	NA	6-channel Intel® HDA	NA	8 Gb DDR2 667/800 (4)	4 x SATA300	3 PCI/3 PCIe x1/1 PCIe x16	Viiv™
	BLKD963FXCK	800/1066FSB Dual-Core	Onboard IGMA 3000	6-channel Intel® HDA	Single Gb	8 Gb DDR2 533/667 (4)	4 x SATA300	3 PCI/3 PCIe x1	NA
Micro-ATX boards	BLKD9650TMKR	800/1066FSB Dual-Core	Onboard IGMA X3000	8-channel Intel® HDA	Single Gb	8 Gb DDR2 667/800 (4)	6 x SATA300 w/RAID	2 PCI/1 PCIe x1/1 PCIe x16	Viiv™
	BLKD965GFEKR	800/1066FSB Dual-Core	Onboard IGMA 3000	6-channel Intel® HDA	Single Gb	8 Gb DDR2 667/800 (4)	6 x SATA300 w/RAID	2 PCI/1 PCIe x1/1 PCIe x16	vPro™
	BLKD965SSCK	800/1066FSB Dual-Core	Onboard IGMA X3000	6-channel Intel® HDA	NA	8 Gb DDR2 667/800 (4)	4 x SATA300	1 PCI/2 PCIe x1/1 PCIe x16	NA
	BLKD963GSK	800/1066FSB Dual-Core	Onboard IGMA 3000	6-channel Intel® HDA	Single Gb	8 Gb DDR2 533/667 (4)	4 x SATA300	2 PCI/1 PCIe x1	NA
	BLKD946GZSSL	800/1066FSB Dual-Core	Onboard IGMA 3000	6-channel Intel® HDA	Single 10/100	8 Gb DDR2 533/667 (4)	4 x SATA300	1 PCIe x16	NA
Micro-BTX boards	BLKD965COEKR	800/1066FSB Dual-Core	Onboard IGMA 3000	6-channel Intel® HDA	Single Gb	8 Gb DDR2 667/800 (4)	6 x SATA300 w/RAID	2 PCI/1 PCIe x1/1 PCIe x16	vPro™
	BLKD965MSCK	800/1066FSB Dual-Core	Onboard IGMA X3000	6-channel Intel® HDA	NA	8 Gb DDR2 667/800 (4)	4 x SATA300	1 PCI/2 PCIe x1/1 PCIe x16	NA
	BLKD946GZSSL	800/1066FSB Dual-Core	Onboard IGMA 3000	6-channel Intel® HDA	Single 10/100	8 Gb DDR2 533/667 (4)	4 x SATA300	1 PCIe x16	NA



Intel® Server Solutions

Intel® server and workstation components deliver new levels of performance. They also bring dependability, compatibility, scalability, and advanced architecture to your multi-processing environment. Intel® server boards are designed with cutting-edge leadership technologies providing customers an exceptional degree of reliability, availability, and serviceability. From component selection to the latest in system architecture, Intel® server boards, chassis, and platforms are designed to provide uninterrupted service—and to meet all our customer's business needs.



Features ▶

- Onboard SATA and SAS controllers
- Dual-channel DDR2 SDRAM memory
- Intel® Xeon® processor support for entry, mid-level, and enterprise solutions
- Hot-swap redundant components (on select Intel® products)

Benefits ▶

- High-speed scalable storage options
- Next-generation dual-channel memory performance
- Performance, energy efficiency, and reliability for any application
- Quickly upgrade or replace drives and power supplies

Applications ▶

- Digital office
- Digital health
- Education
- Government and military
- Industrial and enterprise

Product Specifications ▶

Type	Part #	Processor Support	Memory	Drive Support	LAN	Video	PCI Configuration
Server mainboards	S3000AHLX	Core 2 and Xeon UP	8 Gb DDR2-533/667 (4)	4-port SATA w/RAID 0,1,10	Dual Gb	Onboard	2 x 32/33, 1 x PCIX 100, 1 x PCIe x4, 1 x PCIe X8
	S5000VSASATA	Dual Xeon® 667-1333FSB	16 Gb DDR2-533/667 (8)	6-port SATA w/ RAID 0,1,10	Dual Gb	Onboard	1 x 32/33, 2 x PCIX 133, 2 x PCIe x4
	S5000VSASAS	Dual Xeon® 667-1333FSB	16 Gb DDR2-533/667 (8)	2-port SATA and 6-port SAS w/RAID 0,1,10	Dual Gb	Onboard	1 x 32/33, 2 x PCIX 133, 2 x PCIe x4
	S5000PSLSATA	Dual Xeon® 667-1333FSB	32 Gb DDR2-533/667 (8)	6-port SATA w/RAID 0,1,10	Dual Gb	Onboard	1 x PCIX 100, 1 x PCIX 133, 2 x PCIe x4, 2 x PCIe X8
	S5000PSLSAS	Dual Xeon® 667-1333FSB	32 Gb DDR2-533/667 (8)	2-port SATA and 4-port SAS w/RAID 0,1,10	Dual Gb	Onboard	1 x PCIX 100, 1 x PCIX 133, 2 x PCIe x4, 2 x PCIe X8
	S5000PAL	Dual Xeon® 667-1333FSB	32 Gb DDR2-533/667 (8)	6-port SATA w/SAS and HW SAS RAID options	Dual Gb	Onboard	2 riser slots w/multiple options based on chassis
Type	Part #	Power Supply	Peripheral Bays	Maximum HDD Support	Riser Support	Boards Supported	
1U server KDK chassis	SR1500NA	Fixed 600W	1 slimline CD/DVD	3 x hot-swap SATA/SAS drives	Full-height and low-profile	S5000PAL board	
	SR1550NA	Single 650W (1+1 redundant optional)	1 slimline CD/DVD	8 x hot-swap SATA/SAS drives	Full-height and low-profile	S5000PAL board	
2U server KDK chassis	SR2500NA	Single 750W (1+1 redundant optional)	1 slimline CD/DVD	6 x hot-swap SATA/SAS drives	Full-height and low-profile	S5000PAL board	
5U server KDK chassis	SC5295UPNA	Fixed 350W	2 x 5.25"/1 x 3.5"	6 x fixed IDE drives	NA	S3000AH boards	
	SC5299BRPNA	Single 650W (1+1 redundant optional)	2 x 5.25"/1 x 3.5"	6 x fixed or hot-swap SATA/SAS drives	NA	S5000VSA or S5000PSL boards	
	SC5400LXNA	Single 830W (1+1 redundant optional)	3 x 5.25"/1 x 3.5"	6 or 10 x fixed or hot-swap SATA/SAS drives	NA	S5000PSL boards	
Type	Part #	Processor Support	Maximum Memory	Maximum HDD and Peripheral Support	Onboard Features	Power Supply	PCI Configuration
1U server platforms	SR1530HCLNSA	Dual Xeon® 1066-1333FSB	12 Gb DDR2-667 (6)	6 x hot-swap SAS drives, 1 x 5.25", 1 floppy	Dual Gb LAN and video	Single 600W (1+1 redundant optional)	1 x 32/33, 2 x PCIX 133, 2 x PCIe x4
	SR1500ALNA	Dual Xeon® 667-1333FSB	32 Gb DDR2-533/667 (8)	3 x hot-swap SATA drives, 1 slimline bay	Dual Gb LAN and video	Fixed 600W	1 x FH PCIe x8, 1 x LP PCIe x8
	SR1500ALSASNA	Dual Xeon® 667-1333FSB	32 Gb DDR2-533/667 (8)	3 x hot-swap SAS drives, 1 slimline bay	Dual Gb LAN and video	Fixed 600W	1 x FH PCIe x8, 1 x LP PCIe x8
	SR1550ALNA	Dual Xeon® 667-1333FSB	32 Gb DDR2-533/667 (8)	8 x hot-swap SATA drives, 1 slimline bay	Dual Gb LAN and video	Single 650W (1+1 redundant optional)	1 x FH PCIe x8, 1 x LP PCIe x8
	SR1550ALSASNA	Dual Xeon® 667-1333FSB	32 Gb DDR2-533/667 (8)	8 x hot-swap SAS drives, 1 slimline bay	Dual Gb LAN and video	Single 650W (1+1 redundant optional)	1 x FH PCIe x8, 1 x LP PCIe x8
2U server platforms	SR2520SAXSNA	Dual Xeon® 667-1333FSB	8 Gb DDR2-533/667 (4)	6 x hot-swap SAS drives, 1 x 5.25", 1 floppy	Dual Gb LAN and video	Single 600W (1+1 redundant optional)	1 x 32/33, 2 x PCIX 133, 2 x PCIe x4
	SR2500ALBRPNA	Dual Xeon® 667-1333FSB	32 Gb DDR2-533/667 (8)	6 x hot-swap SATA/SAS drives, 1 slimline bay	Dual Gb LAN and video	Single 750W (1+1 redundant optional)	1 x FH PCI-X 100, 2 x FH PCIe x4, 1 LP PCIe x4
	SR2500ALLXNA	Dual Xeon® 667-1333FSB	32 Gb DDR2-533/667 (8)	6 x hot-swap SATA/SAS drives, 1 slimline bay	Dual Gb LAN and video	Single 750W (1+1 redundant optional)	1 x FH PCI-X 100, 2 x FH PCIe x4, 1 LP PCIe x4
4U server platforms	SHW4URM3SA	Quad Xeon® 667/800FSB	64 Gb DDR2-400 (16)	5 x hot-swap SAS drives, 1 x 5.25", DVD-ROM	Dual Gb LAN and video	Dual 1,470W 1+1 redundant	1 x PCIX 100, 1 x PCIX 133, 2 x PCIe x4, 2 x PCIe X8
6U server platforms	SHW6URM3SA	Quad Xeon® 667/800FSB	64 Gb DDR2-400 (16)	10 x hot-swap SAS drives, 2 x 5.25", DVD-ROM	Dual Gb LAN and video	Single 1,570W (1+1 redundant optional)	1 x PCIX 100, 1 x PCIX 133, 2 x PCIe x4, 2 x PCIe X8



Intel® Telecom Platforms and Network Security Servers

Intel's high-performance telecom platform building blocks, based on industry standards and NEBS-3/ETSI certified, are designed to enable ecosystem suppliers to deliver compelling telecom solutions, and offer a choice of operating systems and middleware. All Intel® telecom platforms feature robust server management, high availability, and an extended life cycle for superior customer investment protection. The Intel® family of IP network security servers are suited for a host of applications in the network security and industrial environment.

Features ▶

- Intel® Pentium® 4 and Xeon® processor support
- Single or redundant AC/DC power configurations
- Scalable Ethernet ports

Benefits ▶

- Server-optimized CPU performance and power efficiency
- Flexibility of installation and applications and uninterrupted operation
- Multiple configurations using the latest copper and fiber technologies

Applications ▶

- Telecommunications
- Digital office
- Digital health and education
- Government and military
- Industrial and enterprise

Product Specifications ▶

Type	Part #	Processor Support	Maximum Memory	Maximum HDD and Peripheral Support	LAN Features	Power Supply	PCI Configuration
1U carrier-grade platforms	TCPA0201	OEM Pentium® 4 3.0 GHz, 800FSB	4 Gb DDR2-400 (4)	2 x hot-swap Ultra320 SCSI, CD-ROM	2 x rear Gb	Fixed 250W AC	1 x FH 64/66 PCI-X 3.3v
	TCPA0301	OEM Pentium® 4 3.0 GHz, 800FSB	4 Gb DDR2-400 (4)	1 x hot-swap Ultra320 SCSI, 1 Ext. SCSI, CD-ROM	2 x rear Gb	Fixed 250W AC	1 x FH 64/66 PCI-X 3.3v
	TCPD0201	OEM Pentium® 4 3.0 GHz, 800FSB	4 Gb DDR2-400 (4)	2 x hot-swap Ultra320 SCSI, CD-ROM	2 x rear Gb	Fixed 250W DC	1 x FH 64/66 PCI-X 3.3v
	TCPD0301	OEM Pentium® 4 3.0 GHz, 800FSB	4 Gb DDR2-400 (4)	1 x hot-swap Ultra320 SCSI, 1 Ext. SCSI, CD-ROM	2 x rear Gb	Fixed 250W DC	1 x FH 64/66 PCI-X 3.3v
	TMWA0201W	Two OEM Xeon® 2.33 GHz, 1066FSB	24 Gb DDR-2 533/667 (6)	3 x hot-swap front service SAS, CD-ROM	4 x rear Gb	Single 450 AC (1+1 redundant optional)	1 x PCIe x4 (PCI-X optional)
	TMWD0201W	Two OEM Xeon® 2.33 GHz, 1066FSB	24 Gb DDR-2 533/667 (6)	3 x hot-swap front service SAS, CD-ROM	4 x rear Gb	Single 450 DC (1+1 redundant optional)	1 x PCIe x4 (PCI-X optional)
2U carrier-grade platforms	TLPA0201	Two OEM Dual Xeon® 2.4 GHz, 533FSB	12 Gb DDR-266 (6)	2 x hot-swap Ultra320 SCSI, CD-ROM	2 x rear Gb	Single 500W AC (1+1 redundant optional)	3 x FH PCI-X 3.3v/5v via riser, 3 x LP PCI-X
	TLPD0201	Two OEM Dual Xeon® 2.4 GHz, 533FSB	12 Gb DDR-266 (6)	2 x hot-swap Ultra320 SCSI, CD-ROM	2 x rear Gb	Single 470W DC (1+1 redundant optional)	3 x FH PCI-X 3.3v/5v via riser, 3 x LP PCI-X
	TLIA2201	Two OEM Dual Xeon® 3.2 GHz, 800FSB	12 Gb DDR2-400 (6)	2 x hot-swap Ultra320 SCSI, CD-RW	2 x rear Gb	Single 600W AC (1+1 redundant optional)	3 x FH PCI-X 100, 3 x LP PCI-X 100
	TLID2201	Two OEM Dual Xeon® 3.2 GHz, 800FSB	12 Gb DDR2-400 (6)	2 x hot-swap Ultra320 SCSI, CD-RW	2 x rear Gb	Single 600W DC (1+1 redundant optional)	3 x FH PCI-X 100, 3 x LP PCI-X 100
1U IP network Telco platforms	NSWA0201W	OEM Dual Xeon®, 1066FSB/1333FSB	24 Gb DDR-2 533/667 (6)	2 x fixed SATA, 1 slimline CD-ROM bay	4 x rear Gb	Single 450W AC (1+1 redundant optional)	1 x PCIe x4 (PCI-X optional)
	NSWD0201W	OEM Dual Xeon®, 1066FSB/1333FSB	24 Gb DDR-2 533/667 (6)	2 x fixed SATA, 1 slimline CD-ROM bay	4 x rear Gb	Single 450W DC (1+1 redundant optional)	1 x PCIe x4 (PCI-X optional)
	NSWA0301W	OEM Dual Xeon®, 1066FSB/1333FSB	24 Gb DDR-2 533/667 (6)	2 x fixed SATA, 1 slimline CD-ROM bay	4 to 8 x front Gb	Single 450W AC (1+1 redundant optional)	1 x PCIe x4 (PCI-X optional)
	NSWA0401W	OEM Dual Xeon®, 1066FSB/1333FSB	24 Gb DDR-2 533/667 (6)	2 x fixed SATA, 1 slimline CD-ROM bay	8 x front Gb	Single 450W AC (1+1 redundant optional)	1 x PCIe x4 (PCI-X optional)
2U IP network Telco platforms	NSIA2100	Two Dual Xeon® 3.6 GHz, 800FSB	12 Gb DDR2-400 (6)	2 x fixed SATA	4 to 8 x front Gb and video	Single 600W AC (1+1 redundant optional)	1 x FH PCI-X 100, 2 FH PCIe x4, 3 LP PCI-X 100
	NSCA0201W	Two OEM Dual Xeon®, 1066FSB/1333FSB	32 Gb DDR2-533/667 (8)	6 x hot-swap SAS	2 to 4 rear Gb and 4 to 8 front Gb	Single 600W AC (1+1 redundant optional)	Optional full-height and low-profile riser cards
	NSCD0201W	Two OEM Dual Xeon®, 1066FSB/1333FSB	32 Gb DDR2-533/667 (8)	6 x hot-swap SAS	2 to 4 rear Gb and 4 to 8 front Gb	Single 600W DC (1+1 redundant optional)	Optional full-height and low-profile riser cards