SUPERMICRO®

Server *Building Block Solutions*®

DP, UP & MP Xeon® Serverboards
Enterprise Server Chassis
High-End Workstation Solutions
High-Efficiency Power Supplies
UIO (Universal I/O) Solutions
GPU-Enabled Servers and Workstations
Networking Solutions
100% Redundant Cooling Designs
Remote Management Features and More ...

June 2009

2U Twin² ™

375 GFLOPS/kW
Optimized Performance-per-Watt/Performance per-Dollar, Highest System Density & Lowest TCO

- 4 nodes share one 2U chassis
- 8 DP Quad-Core/Dual-Core 64-bit Xeon® 5500 processor series (Nehalem) up to 95W
- Up to 192GB DDR3 Reg. ECC 1333/1066/800 MHz SDRAM

Optimized Performance-per-Watt
- High-efficiency Gold Level (93%+) power supply reduces power consumption
- High-efficiency VRMs and component design improve power utilization
- Four 8-cm fans with optimized air channel design maximize cooling efficiency
- Shared chassis and power supplies increase operating efficiency per node

Optimized System Density
- High-density, compact design maximizes rack space usage
- Modular design facilitates easy system upgrades, installation and maintenance
- Fewer power cables and power strips reduce IT management overhead

Optimized TCO
- Optional redundant (1+1) power supplies increase system uptime
- Hot-pluggable MB, HDDs and power supplies reduce maintenance and downtime
- PM Bus support for remote monitoring and optimal power management

80 PLUS GOLD

Gold Level
80 PLUS® Certified
Power Supplies

Rear View

- 2x 1200W/1400W Gold Level high-efficiency redundant power supply
- 4 sets of PCI-E 2.0 x16 low-profile expansion slots
- 4 sets of dual Gigabit Ethernet LAN ports
- 4 sets of COM/VGA ports
- 4 sets of InfiniBand controller ports
- 4 sets of BMC supporting IPMI 2.0, media/KVM over LAN

| X8DTT-IBQF X8DTT-HIBQF (Tylersburg based)	X8DTT-IBXF X8DTT-HIBXF (Tylersburg based)	X8DTT-F X8DTT-HF (Tylersburg based)	X7DWT (Seaburg based)	X7DCT (San Clemente based)	X7DBT (Blackford based)	X7DGT (GreenCreek based)	X7SBT (BearlakeX based)

Supermicro's new Tylersburg-based 2U Twin² server architecture further extends the smart server legacy and easy maintenance advantages of our innovative 1U Twin™ technology. Achieving an industry-leading 375 GFLOPS/kW (on x86 platforms), the 2U Twin² delivers unrivaled performance-per-watt and performance-per-dollar. The optimized 93%+ high-efficiency power supply, plus newly designed CPU cooling components/air channel and updated motherboard voltage regulator module (VRM) designs all contribute to this server powerhouse. The hot-swappable modular design of the 2U Twin² facilitates easy system upgrade, installation and maintenance. Each node maintains independent full-function system control and management with its own front control panel with UID and three hot-swap 3.5" hard drive trays.

Please note: Contact your sales representative for information on individual nodes (motherboard and tray)

UIO
Universal I/O

Up to 3 Add-on Cards for 1U
Maximized I/O Expandability & Flexibility

- Up to 96GB of DDR3 Reg. ECC;
  24GB Unb. ECC/Non-ECC
  1333/1066/800 MHz SDRAM in 12 DIMMs

- Quad-Core/Dual-Core Intel® Xeon® Processor 5500
  series (Nehalem) supported

- Left Slot:
  1 Universal I/O (UIO) slot
  1 PCI-E x16 slot

- Right Slot:
  Optional 3rd & 4th Gigabit LAN ports

- Intel® 5520 chipset
  with QPI up to 6.4GT/s
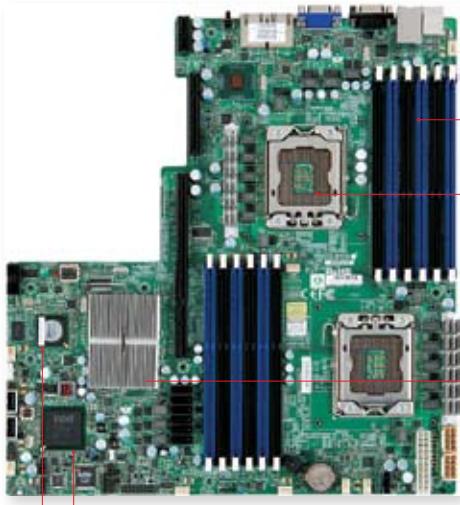
X8DTU(-F)

- Intel® ICH10R for 6 SATA (3 Gbps):
  RAID 0, 1, 5, 10 (Windows)
  RAID 0, 1, 10 (Linux)

- IPMI 2.0 + KVM-over-LAN (X8DTU-F)

- Supermicro SAS
  RAID 5 UIO card
  (optional)
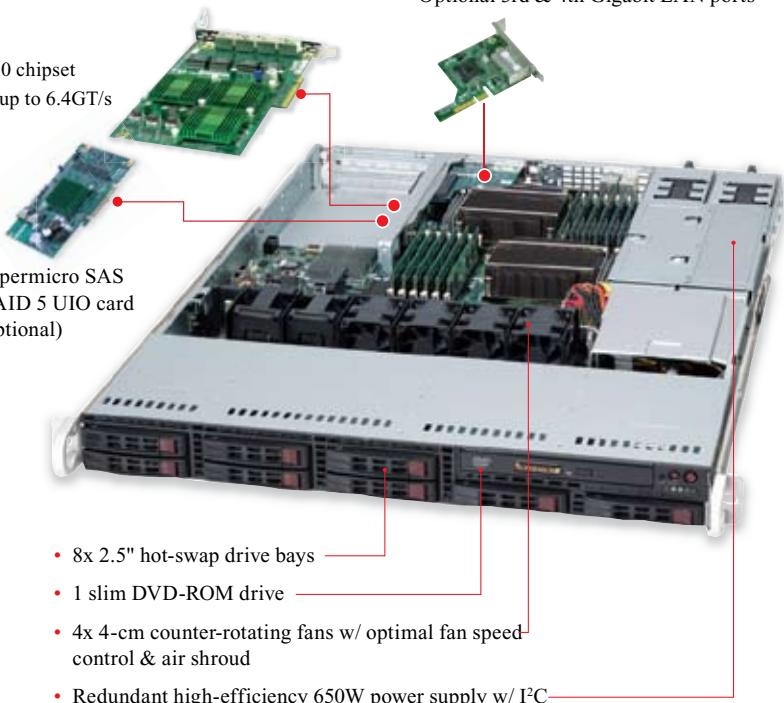
- 8x 2.5" hot-swap drive bays

- 1 slim DVD-ROM drive

- 4x 4-cm counter-rotating fans w/ optimal fan speed
  control & air shroud

- Redundant high-efficiency 650W power supply w/ I²C

SuperServer 1026T-URF

X8DTU-F Serverboard + SC113TQ-R650U Chassis

More than 20 choices: SAS2 RAID, 10GbE, InfiniBand, UIO Cards . . .
The freedom to build exactly what you need!

Supermicro UIO Servers, in combination with riser cards and a UIO card, can provide numerous server configurations to accommodate the specific needs of your application. Our various riser cards for 1U and 2U chassis allow you to customize Supermicro UIO solutions to meet your storage and networking requirements. With a Supermicro UIO solution, you can customize high-performance, high-density and fault-tolerant storage solutions with Supermicro UIO SAS RAID card products. Leveraging a variety of UIO Gigabit Ethernet Adapters, the UIO system improves network throughput as well as application performance. All Supermicro UIO solutions can be utilized without occupying existing PCI slots, leaving those slots free for additional expansion cards.

GPU
Massively Parallel Processing

High Performing, Heterogeneous Computing (CPU+GPU) Server Solutions: 960+ Processing Cores with 4 GPU Cards in 4U System
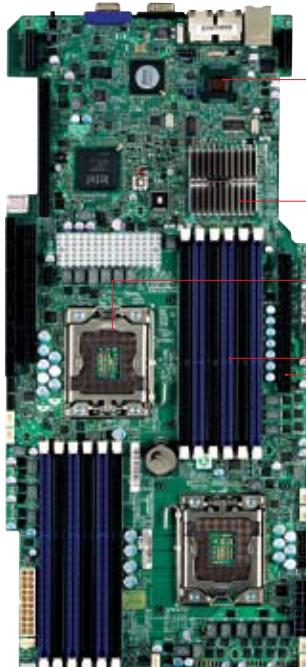
2x 1 TFLOP GPUs in 1U
The world's first and only GPU optimized 1U server!

X8DTG-DF

- Intel® 82576 dual LAN
- Intel® 5520 chipset
- Intel® Xeon® 5500 series processors
- Up to 96GB of DDR3 Reg. ECC; 24GB Unb. ECC/Non-ECC 1333/1066/800 MHz
- 2 PCI 2.0 x16, 1 PCI-E 2.0 x4

- Onboard BMC (Baseboard Management Controller), supports IPMI 2.0, media/KVM over LAN with dedicated LAN for system management, video output.

GPU 1

GPU 2

- 3x hot-swap 3.5" SATA HDD
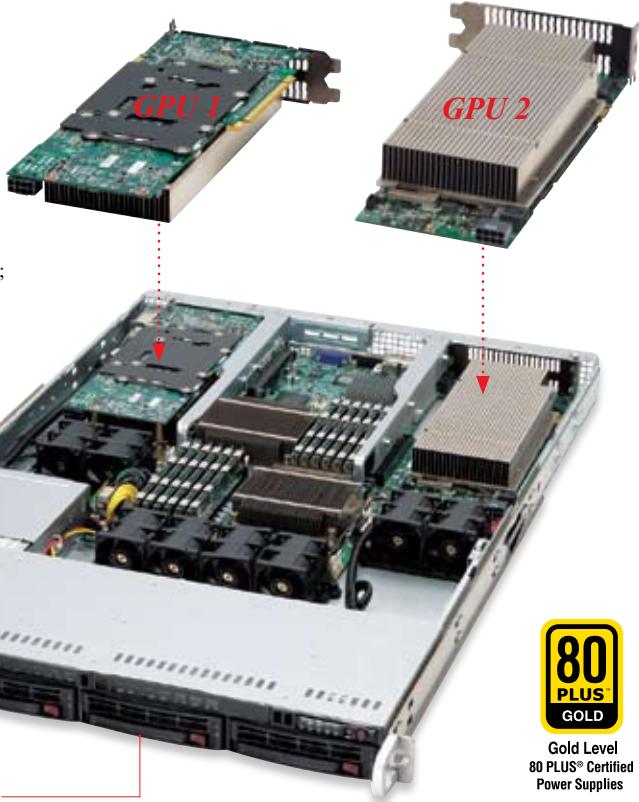
Gold Level
**80 PLUS® Certified**
Power Supplies

SuperServer 6016T-GF
X8DTG-DF Serverboard + SC818G-1400B Chassis

Supermicro GPU Computing Server Solutions

The SW7046T-GRF, SS6016T-GF, and SW7046A-HR+ computing server solutions establish Supermicro as the true global IT hardware leader in server architecture, performance, and Green computing. Generating massively parallel processing power and unrivaled networking flexibility with 4x double-width GPUs and 11x expansion slots in a 4U form factor, the SW7046T-GRF is performance and quality optimized for the most computationally-intensive applications. The SS6016T-GF, with the industry's highest heterogeneous computing density supporting 2x double-width GPUs in a 1U form factor, is the world's first and only GPU optimized 1U server.

Up to 4 GPUs and 11 Expansion Slots
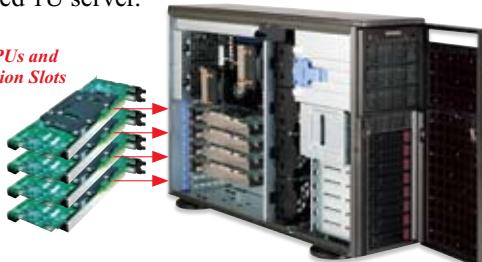
SW7046T-GRF
w/ X8DTG-QF motherboard

Up to 3 GPUs and 7 Expansion Slots

SW7046A-HR+
w/ X8DAH+-F motherboard

# Maximum I/O Throughput Highest System Bandwidth Server Board

SUPER● X8DTH-6F

The SUPER● X8DTH-6F offers significantly enhanced processing and throughput capacity in a 12"W x 13"H form factor serverboard. Its high-performance SAS2 (6 Gbps) HDD controller and 7 PCI-E 2.0 x8 slots are supported by dual-IOH chipsets and up to 96GB DDR3 memory, giving the X8DTH-6F tremendous bandwidth and storage potential. In those critical applications that require the highest performance from server, storage and networking components, its 6 Gbps SAS2 technology maximizes system bandwidth and performance.

With 8 USB 2.0 ports, dual Gigabit Ethernet LAN, and support for Intel's next-generation processors and chipsets (Tylersburg/Nehalem), the X8DTH-6F can effortlessly handle multiple high-performance, connectivity-intensive tasks. Onboard IPMI provides industry-leading remote management. Storage-intensive, high I/O applications such as video streaming, backups, large databases, and high-rate online transactions will benefit from the superior I/O throughput and optimized system bandwidth of this serverboard.

Key Features
- Dual Intel® Xeon® processor 5500 series (Nehalem)
- Dual Intel® 5520 (Tylersburg) chipset with QPI up to 6.4 GT/s each
- Up to 96GB of DDR3 Reg. ECC; 24GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMM slots
- 7 PCI-E 2.0 x8 (in x16 slots)
- LSI 2008 controller for 8 SAS II (6 Gbps) ports; RAID 0, 1, 10; RAID 5 optional
- Intel® 82576 dual-port Gigabit Ethernet controller
- Matrox G200eW graphics
- 8 USB 2.0 ports
- Integrated IPMI 2.0 + KVM w/dedicated LAN

High-Performance, GPU Ready Multimedia Enabled Server/Workstation Board

SUPER● X8DAH+-F

The SUPER● X8DAH+-F delivers powerful multimedia features with high storage capacity and enhanced I/O capabilities for next-generation visual computing. The large complement of 7 PCI-E 2.0 slots, available with its dual-IOH chipset architecture, supports up to 3 GPUs with PCI-E x16 Gen 2.0 bandwidth, which is further enhanced with an immense memory capacity of 144GB DDR3 in 18 DIMMs.

With 2 IEEE 1394a headers, 7.1 HD audio, dual Gigabit Ethernet and up to 10 USB ports, the X8DAH+-F is a multimedia-ready, communications-enabled powerhouse. It supports Intel's next-generation processors and chipsets (Tylersburg/Nehalem) for the highest levels of computing performance, while onboard IPMI provides industry-leading remote management capabilities. It is an ideal selection for applications such as image processing, scientific and engineering computing, and digital content creation. In addition, its rich multimedia features are excellent for digital entertainment and gaming applications.

Key Features
- Dual Intel® Xeon® processor 5500 series (Nehalem)
- Dual Intel® 5520 (Tylersburg) chipsets with QPI up to 6.4 GT/s each
- Up to 144GB of DDR3 Reg. ECC; 24GB Unb. ECC/Non-ECC 1333/1066/800MHz SDRAM in 18 DIMM slots
- 2 PCI-E 2.0 x16, 4 PCI-E 2.0 x8 (1 in x16 slot), 1 PCI-E 2.0 x4 slots
- Intel ICH10R controller for 6 SATA (3 Gbps) ports; RAID 0, 1, 5, 10
- Intel® 82576 dual-port Gigabit Ethernet controller
- Realtek ALC888 7.1 HD audio
- Matrox G200eW graphics
- 10 USB 2.0 ports
- Dual IEEE 1394a ports
- Integrated IPMI 2.0 + KVM w/dedicated LAN

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Motherboards

Quad-Core/Dual-Core Xeon® 5500 (Nehalem/Tylersburg) series, Intel® 5520/5500 chipset with QPI, 1333/1066/800MHz

Quad-Core/Dual-Core Xeon® MP, Intel® 7300 (Clarksboro) Chipset, 1066MHz

Quad-Core/Dual-Core Xeon® 5400/5300/5200/5100 (Harpertown/Clovertown/Wolfdale/Woodcrest), Intel® 5400 chipset, 1600/1333/1066MHz

Quad-Core/Dual-Core Xeon® 5400/5300/5200/5100 (Harpertown/Clovertown LV/Wolfdale/Woodcrest LV), Intel® 5100 chipset, 1333/1066MHz

Quad-Core/Dual-Core Xeon® 5400/5300/5200/5100/5000 Sequence, Intel® 5000P chipset, 1333/1066/667MHz

Quad-Core/Dual-Core Xeon® 5400/5300/5200/5100/5000 Sequence, Intel® 5000V chipset (Blackford VS), 1333/1066MHz

Quad-Core/Dual-Core Xeon® 5400/5300/5200/5100/5000 Sequence, Intel® 5000X chipset (Greencreek), 1333/1066/800MHz

Core i7, Intel® X58 chipset with QPI up to 6.4 GT/s

Core i7, Intel® X58 chipset with QPI up to 6.4 GT/s

Core 2 Duo, Intel® 945GC chipset, 1066/800/533MHz

Core 2 Duo, Intel® 3210/3200 chipset, 1333/1066/800MHz

SUPERMICR●® *Server Building Block Solutions® - June, 2009*

Chassis by Form Factor

1U Chassis

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SUPER●
SERVER
SOLUTION

Coming Soon!

MODEL	X8DTN+	X8DAH+(-F)	X8DTG-DF	X8DTG-QF
Processor	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)
Chipset/System Bus	Intel® 5520 chipset with QPI up to 6.4GT/s	Dual Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5520 chipset with QPI up to 6.4GT/s
Form Factor	Ext. ATX 13.68"W x 13"H	Ext. ATX 13.68"W x 13"H	Proprietary 7.71"W x 16.64"H	Proprietary 15.2"W x 13"H"
Memory Capacity & Slots	144 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 18 DIMMs	144 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 18 DIMMs	48 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM	96 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM
Expansion Slots	2 PCI-E 2.0 x8 (1 in x16 slot) 1 PCI-E x4 (in x8 slot) 3 PCI-X 133/100 1 UIO (PCI-E 2.0 x8)	2 PCI-E 2.0 x16 4 PCI-E 2.0 x8 (1 in x16 slot) 1 PCI-E 2.0 x4	Riser card: 2 PCI-E 2.0 x16 1 PCI-E 2.0 x4 or: 4 PCI-E 2.0 x8 1 PCI-E 2.0 x4	4 PCI-E 2.0 x16 2 PCI-E 2.0 x4 1 PCI-E x4 (in x16 slot) 2 PCI
Onboard RAID Controller	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel ICH10R for 6 SATA (3 Gbps): RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Intel ICH10R for 6 SATA (3 Gbps): RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)
Onboard LAN	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82574L Gigabit Ethernet
Onboard VGA	ATI ES1000 32Mb graphics controller	Matrox G200eW (X8DAH+-F only)	Matrox G200eW Graphics	Matrox G200eW Graphics
Built-in EIDE USB Ports	ATA 133 Up to 7 USB 2.0 ports	ATA 133 Up to 10 USB 2.0 ports	Up to 4 USB 2.0 ports	Up to 10 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard conn.	7.1 HD audio 2 IEEE 1394a header 1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard	1 floppy port 1 fast UART 16550 serial	7.1 HD audio 1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard
Manageability	AOC-SIMLP-B(+); AOC-SIMLP-3(+) with 3rd LAN support, Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 4-fan status, supports system management utility	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM fan speed control & overheat LED indication	4-pin PWM fan speed control & overheat LED indication	4-pin PWM fan speed control & overheat LED indication	4-pin PWM speed control & overheat LED indication
Other Features	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on mode for recovery from AC power loss, SDDC, UID, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM

Gold Level 80 PLUS® Certified Power Supplies

SC818G-1400B
- 2x double-width high-end GPU optimized, designed for high-end heterogeneous computing applications
- 1400W high-efficiency power supply
- 3x 3.5" Hot-swap drive bays
- Expansion: 4x full-height, full-length + 1 low-profile (with riser card) or 2x double-width high-end graphics cards (optimized) + 1 low-profile
- 8x 4cm heavy duty counter-rotating fans with optimal fan speed control
- Motherboard supported: X8DTG-2 and X8/H8 Twin MB

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Gold Level 80 PLUS® Certified Power Supplies

SC825TQ-R720LPB
- 720W Gold Level certified redundant power supply
- 8x 3.5" hot-swap SAS/SATA drive bays
- 1x slim DVD-ROM drive (optional)
- 2x 3.5" fixed front drive bays
- 3x 8cm 6300 RPM Fans
- 7x low-profile, full-length I/O expansion Slots
- 1x serial, 2x USB front access I/O

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Gold Level 80 PLUS® Certified Power Supplies

SC747TQ-R1400B
- 11x full-height, full-length PCI-E expansion slots
- 1400W Gold Level high-efficiency Redundant (1+1) power supply
- Whisper-Quiet w/ PMBus support
- 8x 3.5" Hot-swap SATA drive bays, 3x fixed 3.5" device bay
- 4x 92mm hot-swap fans and 2x 80mm hot-swap exhaust fan
- Maximum motherboard supported: multiple form factor up to 15.2" x 13.2"

(p. 84)

Gold Level 80 PLUS® Certified Power Supplies

SC745TQ-R1200B
- 1200W Gold Level certified redundant power supply
- 8x 3.5" SAS/SATA hot-swap drive bays
- 3x 5.25" peripheral drive bays (one with 3.5" drive bezel)
- 7x full-height, full-length expansion slot
- 3x 8cm hot-swappable cooling fans
- 2x 5000 RPM hot-swappable rear-exhaust Fans
- 2x front USB Ports
- Locking bezel with filter

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MB Chassis	X8DTN+	X8DAH+(-F)	X8DTG-DF	X8DTG-QF	Fan Setting
1U	SC113TQ-560C • Certain configuration * Heatink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC113TQ-700C • Heatink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC815TQ-560C • Certain configuration * Heatink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC815TQ-700C SC815TQ-720C * Heatink: SNK-P0037P * Riser card: CSE-RR1U-E8		SC818G-1400B * Heatink: SNK-P0037P * Riser card: RSE-R1UG-E16 RSE-R1UG-E16R RSE-R1UG-UR RSE-R1U-E16R		Server Mode
2U	SC213A-R900LP SC213E1-R900LP SC216A-R900LP SC216E1-R900LP SC216E2-R900LP * Heatink: SNK-P0038P SC823MTQ-R700LP SC825MTQ-R700LP * Heatink: SNK-P0037P SC825TQ-560LP • Certain configuration * Heatink: SNK-P0038P SC825TQ-R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1/E2/TQ-R800LP * Heatink: SNK-P0038P	SC213A-R900LP SC213E1-R900LP SC216A-R900LP SC216E1-R900LP SC216E2-R900LP * Heatink: SNK-P0038P SC823MTQ-R700LP SC825MTQ-R700LP * Heatink: SNK-P0037P SC825TQ-560LP • Certain configuration * Heatink: SNK-P0038P SC825TQ-R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1/E2/TQ-R800LP * Heatink: SNK-P0038P			Server Mode
3U/Mid-Tower	SC835TQ-R800 SC836A-R1000 SC836E1/E2/TQ-R800 SC836E1/E2/TQ-R900 SC936A-R1000 SC936A-R900 SC936E1/E2-R900 * Heatink: SNK-P0038P	SC835TQ-R800 SC836A-R1000 SC836E1/E2/TQ-R800 SC836E1/E2/TQ-R900 SC936A-R1000 SC936A/E1/E2-R900 * Heatink: SNK-P0038P			Server Mode
4U/Tower	SC745TQ-800 SC745TQ-R800 SC846A-R1000 SC846E1-R900 SC846E2-R900 SC846TQ-R900 * Heatink: SNK-P0038P	SC745TQ-800 SC745TQ-R800 SC846A-R1000 SC846E1-R900 SC846E2-R900 SC846TQ-R900 * Heatink: SNK-P0038P		SC747TQ-R1400B * Heatink: SNK-P0040AP4	Server Mode

Note - When ordering please select the Rev. K version of your chassis for support of Tylersburg motherboards.
* Sold separately.

SUPER○ SERVER SOLUTION
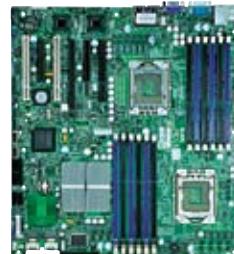
MODEL	X8DTH-6/6F X8DTH-i/iF	X8DT6(-F) X8DTE(-F)	X8DT3/i(-F) X8DT3/i-LN4F	X8DA3/ X8DAi
Processor	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)
Chipset/System Bus	**Dual** Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5520 chipset with QPI up to 6.4 GT/s	Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5520 chipset with QPI up to 6.4GT/s
Form Factor	Ext. ATX 12"W x 13"H	Ext. ATX 12"W x 13"H	Ext. ATX 12"W x 13"H	Ext. ATX 12"W x 13"H
Memory Capacity & Slots	96 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	96 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	96 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	96 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs
Expansion Slots	7 PCI-E 2.0 x8 (7 in x16 slot)	X8DT6(-F): 3 PCI-E 2.0 x8 1 PCI-E 2.0 x4 1 PCI-E x4 X8DTE(-F): 4 PCI-E 2.0 x8 1 PCI-E 2.0 x4 1 PCI-E x4	X8DT3(-F)/ X8DT3/i-LN4F: 3 PCI-E 2.0 x8 (1 in x16 slot) 1 PCI-E x4 2 PCI X8DTi(-F): 1 PCI-E 2.0 x16 2 PCI-E 2.0 x8 1 PCI-E x4 2 PCI	2 PCI-E 2.0 x16 1 PCI-E x4 (in x8 slot) 3 PCI
Onboard RAID Controller	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 2008 8-port SAS II controller; RAID 0,1,10 (X8DTH-6/6F)	Intel® ICH10R for 6 SATA2 (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 2008; 8-port SAS II controller RAID 0,1,10 (X8DT6(-F))	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 1068E 8-port SAS controller; RAID 0,1,10 (X8DT3-(F) & X8DT3-LN4F only)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 1068E 8-port SAS controller; RAID 0,1,10 (X8DA3 only)
iButton/TSOP Support	TSOP (RAID 5) for X8DTH-6(F)	TSOP (RAID 5) for X8DT6-(F)	AOC-iButton68 (RAID 5) for X8DT3-(F) & X8DT3-LN4F	AOC-iButton68 (RAID 5) for X8DA3
Onboard LAN	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82574L Gigabit Ethernet	Dual LAN with Intel® 82576 Gigabit Ethernet Quad LAN with Intel® 82576 Gigabit Ethernet (X8DT3/i-LN4F)	Dual LAN with Intel® 82573V/L Gigabit Ethernet
Onboard VGA	Matrox G200eW	Matrox G200eW	Matrox G200eW	N/A
USB Ports	Up to 8 USB 2.0 ports	Up to 6 USB 2.0 ports	Up to 8 USB 2.0 ports	Up to 10 USB 2.0 ports
Other Onboard I/O Devices	2 fast UART 16550 serial PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard conn.	7.1 HD audio 2 IEEE 1394a headers 1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard conn.
Manageability	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog, SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog, SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog, SuperDoctor® III	AOC-SIMLC SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & -5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control
Other Features	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM

Silver Level
80 PLUS® Certified
Power Supplies

(p. 39)

SC111T-560CB
- 560W Silver Level high-efficiency power supply
- 4x hot-swap 2.5" SAS/SATA HDD bays
- 1x full-height, full-length AOC expansion slot
- 3x 40x56mm fans & 2x 40x28mm fans for add-on card (optional)
- Supports motherboard sizes of 12"X13" & 12"X10" (E-ATX, ATX, or Micro-ATX)
- Optimized for DP motherboards

Gold Level
80 PLUS® Certified
Power Supplies

(p. 61)

SC213A-R720LPB
- 720W Gold Level certified high-efficiency redundant power supply
- 16x 2.5" hot-swap SAS/SATA HDD bays
- 1x slim DVD-ROM drive (optional)
- 2x USB + 1x COM port (optional)
- 3x 8cm 6300 RPM fan
- 7x low-profile expansion slot

28dB Whisper-Quiet

80 PLUS® Certified
Power Supplies
BRONZE
Bronze Level
80 PLUS® Certified
Power Supplies

(p. 86)

SC743TQ-865B-SQ
- 865W high-efficiency power supply at 28dB Whisper-Quiet
- 8x 3.5" SAS/SATA hot-swap drive bays
- 2x 5.25" peripheral drive bays, 1x 5.25" drive bay
- 7x Full-height, Full-length Expansion Slot
- 4x 5000 RPM hot-swap cooling fans
- 2x front USB ports
- Locking bezel with filter

MB / Chassis	X8DTH-6(F) / X8DTH-i(F)	X8DT6(-F) / X8DTE(-F)	X8DT3(-F) / X8DTi(-F)	X8DTi-LN4F / X8DT3-LN4F	X8DA3 / X8DAi	Fan Setting
1U	SC111T-560C SC113TQ-560C SC113TQ-700C SC113TQ-R650C * Heatsink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC815TQ-560C SC815TQ-700C SC815TQ-720C * Heatsink: SNK-P0037P	SC111T-560C SC113TQ-560C SC113TQ-700C SC113TQ-R650C * Heatsink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC815TQ-560C SC815TQ-700C SC815TQ-720C * Heatsink: SNK-P0037P	SC111T-560C SC113TQ-560C SC113TQ-700C SC113TQ-R650C * Heatsink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC815TQ-560C SC815TQ-700C SC815TQ-720C * Heatsink: SNK-P0037P	SC111T-560C SC113TQ-560C SC113TQ-700C SC113TQ-R650C * Heatsink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC815TQ-560C SC815TQ-700C SC815TQ-720C * Heatsink: SNK-P0037P		Server Mode
2U	SC213A-R900LP SC213E1-R900LP SC216A/E1/E2-R900LP* Heatsink: SNK-P0038P SC823i-650LP SC823TQ-650LP * Heatsink: SNK-P0038P SC823MTQ-R700LP SC825MTQ-R700LP * Heatsink: SNK-P0037P SC825TQ-560LP SC825TQ-R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1/E2/TQ-R800LP * Heatsink: SNK-P0038P	SC213A-R900LP SC213E1-R900LP SC216A-R900LP SC216E1-R900LP SC216E2-R900LP * Heatsink: SNK-P0038P SC823i-650LP SC823TQ-650LP * Heatsink: SNK-P0038P SC823MTQ-R700LP SC825MTQ-R700LP * Heatsink: SNK-P0037P SC825TQ-560LP SC825TQ-R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1-R800LP SC826E2-R800LP SC826TQ-R800LP * Heatsink: SNK-P0038P	SC213A-R720LP SC213E1-R900LP SC216A-R900LP SC216E1-R900LP SC216E2-R900LP * Heatsink: SNK-P0038P SC823i-650LP SC823TQ-650LP * Heatsink: SNK-P0038P SC823MTQ-R700LP SC825MTQ-R700LP * Heatsink: SNK-P0037P SC825TQ-560LP SC825TQ-R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1-R800LP SC826E2-R800LP SC826TQ-R800LP * Heatsink: SNK-P0038P	SC213A-R900LP SC213E1-R900LP SC216A-R900LP SC216E1-R900LP SC216E2-R900LP * Heatsink: SNK-P0038P SC823i-650LP SC823TQ-650LP * Heatsink: SNK-P0038P SC823MTQ-R700LP SC825MTQ-R700LP * Heatsink: SNK-P0037P SC825TQ-560LP SC825TQ-R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1-R800LP SC826E2-R800LP SC826TQ-R800LP * Heatsink: SNK-P0038P	SC213A-R900LP SC213E1-R900LP SC216A-R900LP SC216E1-R900LP SC216E2-R900LP * Heatsink: SNK-P0038P SC823MTQ-R700LP SC825MTQ-R700LP * Heatsink: SNK-P0037P SC825TQ-560LP SC825TQ-R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1-R800LP SC826E2-R800LP SC826TQ-R800LP * Heatsink: SNK-P0038P	Server Mode
3U/ Mid-Tower	SC833T-550/650/R760 SC835TQ-R800 SC836A-R1000 SC836E1/E2/TQ-R800 SC836E1/E2/TQ-R900 SC933E1/E2-R760 SC933T-R760 SC936A-R1000 SC936A-R900 SC936E1/E2-R900 * Heatsink: SNK-P0038P	SC833T-550 SC833T-650 SC833T-R760 SC835TQ-R800 SC836A-R1000 SC836E1-R800 SC836E1-R900 SC836E2-R800 SC836E2-R900 SC836TQ-R800 SC836TQ-R900 SC933E1-R760 SC933E2-R760 SC933T-R760 SC936A-R1000 SC936A-R900 SC936E1-R900 SC936E2-R900 * Heatsink: SNK-P0038P	SC833T-550 SC833T-650 SC833T-R760 SC835TQ-R800 SC836A-R1000 SC836E1-R800 SC836E1-R900 SC836E2-R800 SC836E2-R900 SC836TQ-R800 SC836TQ-R900 SC933E1-R760 SC933E2-R760 SC933T-R760 SC936A-R1000 SC936A-R900 SC936E1-R900 SC936E2-R900 * Heatsink: SNK-P0038P	SC833T-550 SC833T-650 SC833T-R760 SC835TQ-R800 SC836A-R1000 SC836E1-R800 SC836E1-R900 SC836E2-R800 SC836E2-R900 SC836TQ-R800 SC836TQ-R900 SC933E1-R760 SC933E2-R760 SC933T-R760 SC936A-R1000 SC936A-R900 SC936E1-R900 SC936E2-R900 * Heatsink: SNK-P0038P	SC833T-550 SC833T-650 SC833T-R760 SC835TQ-R800 SC836A-R1000 SC836E1-R800 SC836E1-R900 SC836E2-R800 SC836E2-R900 SC836TQ-R800 SC836TQ-R900 SC933E1-R760 SC933E2-R760 SC933T-R760 SC936A-R1000 SC936A-R900 SC936E1-R900 SC936E2-R900 * Heatsink: SNK-P0038P	Server/ Workstation Mode
4U/ Tower	SC846A-R1000 SC846E1/E2/TQ-R900 * Heatsink: SNK-P0038P SC743i-645 * Heatsink: SNK-P0040AP4 SC743i-650/R760 SC743T/TQ-R760 * Heatsink: SNK-P0038P SC743T-645 * Heatsink: SNK-P0040AP4 SC743T-650/665 * Heatsink: SNK-P0038P SC743TQ-865/865-SQ * Heatsink: SNK-P0040AP4 SC745TQ-800/R800 * Heatsink: SNK-P0038P	SC846A-R1000 SC846E1-R900 SC846E2-R900 SC846TQ-R900 * Heatsink: SNK-P0038P SC743i-645 * Heatsink: SNK-P0040AP4 SC743i-650 SC743i-R760 SC743T/TQ-R760 * Heatsink: SNK-P0038P SC743T-645 * Heatsink: SNK-P0040AP4 SC743T-650/665 * Heatsink: SNK-P0038P SC743TQ-865 SC743TQ-865-SQ * Heatsink: SNK-P0040AP4 SC745TQ-800 SC745TQ-R800 * Heatsink: SNK-P0038P	SC846A-R1000 SC846E1-R900 SC846E2-R900 SC846TQ-R900 * Heatsink: SNK-P0038P SC743i-645 * Heatsink: SNK-P0040AP4 SC743i-650 SC743i-R760 SC743T/TQ-R760 * Heatsink: SNK-P0038P SC743T-645 * Heatsink: SNK-P0040AP4 SC743T-650/665 * Heatsink: SNK-P0038P SC743TQ-865 SC743TQ-865-SQ * Heatsink: SNK-P0040AP4 SC745TQ-800 SC745TQ-R800 * Heatsink: SNK-P0038P	SC846A-R1000 SC846E1-R900 SC846E2-R900 SC846TQ-R900 * Heatsink: SNK-P0038P SC743i-645 * Heatsink: SNK-P0040AP4 SC743i-650 SC743i-R760 SC743T/TQ-R760 * Heatsink: SNK-P0038P SC743T-645 * Heatsink: SNK-P0040AP4 SC743T-650/665 * Heatsink: SNK-P0038P SC743TQ-865 SC743TQ-865-SQ * Heatsink: SNK-P0040AP4 SC745TQ-800 SC745TQ-R800 * Heatsink: SNK-P0038P	SC846A-R1000 SC846E1-R900 SC846E2-R900 SC846TQ-R900 * Heatsink: SNK-P0038P SC743i-645 * Heatsink: SNK-P0040AP4 SC743i-650 SC743i-R760 SC743T/TQ-R760 * Heatsink: SNK-P0038P SC743T-645 * Heatsink: SNK-P0040AP4 SC743T-650/665 * Heatsink: SNK-P0038P SC743TQ-865 SC743TQ-865-SQ * Heatsink: SNK-P0040AP4 SC745TQ-800 SC745TQ-R800 * Heatsink: SNK-P0038P	Server/ Workstation Mode

Note - When ordering please select the Rev. K version of your chassis for support of Tylersburg motherboards.
* Sold separately.

MODEL	X8DTT(F)	X8DTT-IBX(F) X8DTT-IBQ(F)	X8DTT-H(F)	X8DTT-HIBX(F) X8DTT-HIBQ(F)
Processor	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)
Chipset/System Bus	Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5520 chipset with QPI up to 6.4GT/s
Form Factor	Proprietary 6.5"W x 16.64"H	Proprietary 6.5"W x 16.64"H	Proprietary 6.5"W x 16.64"H	Proprietary 6.5"W x 16.64"H
Memory Capacity & Slots	48 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	48 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	48 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	48 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs
Expansion Slots	1 PCI-E 2.0 x16	1 PCI-E 2.0 x16 X8DTT-IBX(F): ConnectX DDR InfiniBand w/ QSFP connector X8DTT-IBQ(F): ConnectX QDR InfiniBand w/ QSFP connector	1 PCI-E 2.0 x16	1 PCI-E 2.0 x16 X8DTT-HIBX(F): ConnectX DDR InfiniBand w/ QSFP connector X8DTT-HIBQ(F): ConnectX QDR InfiniBand w/ QSFP connector
Onboard RAID Controller	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)
Onboard LAN	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82576 Gigabit Ethernet
Onboard VGA	Matrox G200eW	Matrox G200eW	Matrox G200eW	Matrox G200eW
Built-in USB Ports	Up to 4 USB 2.0 ports	Up to 4 USB 2.0 ports	Up to 4 USB 2.0 ports	Up to 4 USB 2.0 ports
Other Onboard I/O Devices	1 fast UART 16550 serial 1 QSFP connector	1 fast UART 16550 serial 1 QSFP connector	1 fast UART 16550 serial 1 QSFP connector	1 fast UART 16550 serial 1 QSFP connector
Manageability	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 4-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 4-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 4-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 4-fan status, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control
Other Features	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM

(Rear view)
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(Front view)

SC827B-R1200/1400 for 2U Twin²™

- 2U Rackmount Chassis - 28.5" depth
- 1200W/1400W Gold Level certified redundant power supply with PMBus support
- Swappable module design for easy system upgrade, installation and maintenance
- 4x low-profile AOC slots (1x slot per node)
- 4x 80mm heavy duty fans with PWM fan speed control
- Quick release rail and bulk pack design
- 12x 3.5" Hot-swap SAS/SATA drive trays (3 for each node)
- 4x swap-able motherboard modules support all existing Twin motherboards
- 4x Front control panel with UID for each node)
- High-end 2U Server Chassis optimized for HPC, datacenter & low-cost blade applications

(p. 43)
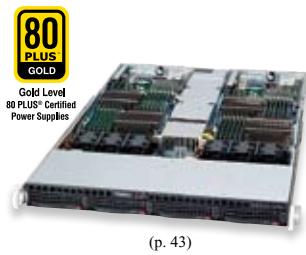
SC808T-1200B
Supports two systems (nodes) in a 1U form factor. Each node supports:
- 1200W Gold Level Certified Power Supply
- 2x 3.5" Hot-swap SATA Drive Bays Per System Node
- 3x Counter-rotating Fans
- 1x Low-profile Slot
- Power Switch, Reset

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SC809T-1200B
Supports two systems (nodes) in a 1U form factor. Each node supports:
- 1200W Gold Level Certified Power supply
- 4x Hot-swap 2.5" SAS/SATA HDD Per System Node
- Low Profile Expansion Slot
- 3x 4cm Counter-rotating Fans
- Supports Twin Motherboard Size

(p. 43)
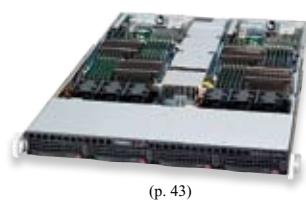
SC808T-780B
Supports two systems (nodes) in a 1U form factor. Each node supports:
- 780W High-efficiency Power Supply
- 2x 3.5" Hot-swap SATA Drive Bays Per System Node
- 3x Counter-rotating Fans Per System Node
- 1x Low-profile Slot
- Power Switch, Reset Button

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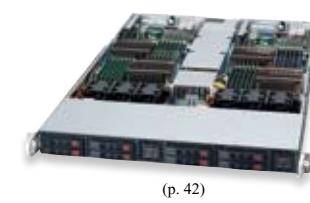
SC809T-780B
Supports two systems (nodes) in a 1U form factor. Each node supports:
- 780W high-efficiency power supply
- 4x hot-swap 2.5" SAS/SATA HDD Per System Node
- Low Profile Expansion Slot
- 3x 4cm Counter-rotating Fans Per System Node
- Supports Twin motherboard size up to: 6.8" (173mm) x 18" (457mm)

MB Chassis	X8DTT-INF/ X8DTT-INF-F	X8DTT(F)/ X8DTT-IBQ(F)/ X8DTT-IBX(F)	X8DTT-H(F)/ X8DTT-HIBQ(F)/ X8DTT-HIBX(F)	Fan Setting
SC827B-R1200/1400	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	Server Mode
SC827T-R1200/1400	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	Server Mode
SC808T-1200	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	Server Mode
SC808T-780	* Certain configuration * Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Certain configuration * Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Certain configuration * Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	Server Mode
SC809T-1200	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	Server Mode
SC809T-780	* Certain configuration * Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Certain configuration * Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Certain configuration * Heatink: SNK-P0037P * Riser card: RSC-R1U-E16R	Server Mode

Note - When ordering please select the Rev. K version of your chassis for support of Tylersburg motherboards.
* Sold separately.

MODEL	X8DTU X8DTU-F	X8DTW-6+(F) X8DTW-i+(F)	X8DTL-6(F)
Processor	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)
Chipset/System Bus	Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5500 chipset with QPI up to 6.4GT/s	Intel® 5500 chipset with QPI up to 6.4GT/s
Form Factor	Proprietary 12.075"W x 13.05"H	Proprietary 12.3"W x 13"H	ATX 12"W x 10"H
Memory Capacity & Slots	96 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	144GB Reg. ECC DDR3; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 18 DIMMs	24 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs
Expansion Slots	For 1U with Riser Card: 1 PCI-E 2.0 x16 + UIO, or 1 PCI-E 2.0 x16 For 2U with Riser Card: 1 PCI-E 2.0 x16 + 1 PCI-E 2.0 x8, or 3 PCI-E 2.0 x8 *(For riser card support, see next page)*	1 universal slot 1 PCI-E 2.0 x16 and 1 PCI-E 2.0 x4 supporting riser card left hand side or, 1 PCI-E x8 supporting riser card right hand side	1 PCI-E 2.0 x8 (in x16 slot) 2 PCI-E 2.0 x4 (in x8 slot) 1 PCI-E x4 (in x8 slot) 2 PCI
Onboard RAID Controller	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 2008 8-port SAS II (6 Gbps); RAID 0,1,10	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 2008 8-port SAS II (6 Gbps); RAID 0,1,10
iButton/TSOP Support	N/A	TSOP (RAID 5) for X8DTW-6+(F)	TSOP (RAID 5)
Onboard LAN	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82574L Gigabit Ethernet (3rd & 4th LAN optional)	Dual LAN with Intel® 82574L Gigabit Ethernet
Onboard VGA	Matrox G200eW	Matrox G200eW	Matrox G200eW
Built-in EIDE USB Ports	Up to 8 USB 2.0 ports	Up to 8 USB 2.0 ports	Up to 8 USB 2.0 ports
Other Onboard I/O Devices	2 fast UART 16550 serial PS/2 mouse and keyboard conn.	2 fast UART 16550 serial PS/2 mouse and keyboard conn.	2 fast UART 16550 serial PS/2 mouse and keyboard conn.
Manageability	IPMI 2.0 + KVM with dedicated LAN (F version only) Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F version only) Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control
Other Features	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection, UID	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM

Silver Level 80 PLUS® Certified Power Supplies

SC113TQ-560UB
- 560W Silver-Level certified power supply
- 8x 2.5" hot-swap SAS/SATA drive bays
- 4 x 4cm counter-rotating fans
- 2x full-height, full-length expansion slot, and 1x low-profile expansion slot
- Power switch, reset and UID buttons & 5 LED indicators

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SC815TQ-R650UB
- 650W redundant power supply
- 4x 3.5" hot-swap SAS / SATA drive bays
- 1x slim DVD-ROM drive, 1x slim floppy drive (optional)
- 4x 4cm cooling fans
- 1x full-height UIO expansion slot
- 1x full-height, full-length I/O expansion slot
- 1x low-profile expansion slot

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SC216A-R900UB
- 900W redundant power supply
- 24x 2.5" hot-swap SAS/SATA HDD bays
- 3x 80mm 6300 RPM Fan
- 4x full-height expansion slots
- 3x low-profile expansion Slots
- Power switch & 6 LED indicators
- With UIO Card:
  3x full-height, full-length I/O
  3x low-pofile expansion slots
- Without UIO Card:
  4x full-height, full-length I/O
  3x low-profile expansion slots

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Gold Level 80 PLUS® Certified Power Supplies

SC825TQ-R720UB
- 720W Gold Level Certified High-efficiency Redundant Power Supply
- 8x 3.5" hot-swap SAS/SATA drive bays
- 2x 3.5" internal fixed HDD bays (optional)
- 1x slim DVD-ROM drive (optional)
- 1x slim floppy drive (optional)
- 3x 8cm 6300 RPM Fans
- 1x serial, 2x USB Front Access I/O
- With UIO Card:
  3x full-height, full-length I/O,
  3x low-profile expansion slots
- Without UIO Card:
  4x full-height, full-length I/O,
  3x low-profile expansion slots

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MB / Chassis	X8DTU(-F)	X8DTW-6+(F) / X8DTW-i+(F)	X8DTL-6(F)	Fan Setting

1U	SC111T-360U (OEM only)
	* Certain configuration
	* Heatink: SNK-P0037P
	* Riser card:
	  RSC-R1UU-UE8, RSC-R1UU-2E8, or RSC-R1UU-UAX
	
	SC111T-560U / SC113TQ-560U / SC113TQ-700U / SC113TQ-R650U
	* Heatink: SNK-P0037P
	* Riser card:
	  RSC-R1UU-UE8, RSC-R1UU-2E8, or RSC-R1UU-UAX
	
	SC812L-280U
	* Certain configuration
	* Heatink: SNK-P0037P
	* Riser card:
	  RSC-R1UU-UE8, RSC-R1UU-2E8, or RSC-R1UU-UAX
	
	SC812L-520U / SC815TQ-560U / SC815TQ-710U
	SC815TQ-720U / SC815TQ-R650U
	* Heatink: SNK-P0037P
	* Riser card:
	  RSC-R1UU-UE8, RSC-R1UU-2E8, or RSC-R1UU-UAX
		SC113TQ-560U
		SC113TQ-700U
		* Heatink: SNK-P0037P
		
		SC815TQ-560U
		SC815TQ-700U
		* Heatink: SNK-P0037P
			SC111T-360C (OEM)
			SC113MTQ-360C (OEM)
			SC512F-280
			SC811i-280
			SC811TQ-280
			SC813MTQ-280C
			* Certain configuration
			* Heatink: SNK-P0037P
			* Riser card: CSE-RR1U-E8
			
			SC111T-560C
			SC113MTQ-560C
			SC512F-520/520L
			SC811i-410/420/520
			SC811T-410/420
			SC811TQ-520
			SC813MTQ-520C
			* Heatink: SNK-P0037P
			* Riser card: CSE-RR1U-E8
				Server Mode

2U	SC823MTQ-R700U / SC825MTQ-R700U
	* Heatink: SNK-P0037P
	* Riser card:
	  RSC-R2UU-UA3E8, RSC-R2UU-UAX, or RSC-R2UU-2E8
	
	SC825TQ-560U / SC825TQ-R700U / SC825TQ-R720U
	SC826A-R1000U / SC826E1-R800U / SC826E2-R800U
	SC826TQ-R800U
	* Heatink: SNK-P0038P
	* Riser card:
	  RSC-R2UU-UA3E8, RSC-R2UU-UAX, RSC-R2UU-2E8
		SC825TQ-R720U
		SC826TQ-R1200U
		SC826E1-R800U
		SC826E2-R800U
		SC826TQ-R800U
		* Heatink: SNK-P0038P
			SC213A/E1-R900LP / SC216A/E1/E2-R900LP
			* Heatink: SNK-P0036A4
			SC523L-520
			* Heatsink: SNK-P0036A4
			SC822T-400LP
			* Certain configuration
			* Heatink: SNK-P0036A4
			SC823i-650LP / SC823TQ-650LP
			*Heatink: SNK-P0036A4
			SC823MTQ-R700LP / SC825MTQ-R700LP
			*Heatink: SNK-P0037P
			SC825TQ-560LP/R700LP / SC825TQ-R720LP
			SC826A-R1000LP / SC826E1/E2/TQ-R800LP
			*Heatsink: SNK-P0036A4
				Server Mode

3U / Mid-Tower			SC733E-465 / SC733i-450 / SC733i-465 / SC733i-645 SC733T/TQ-465 / SC733T/TQ-645/665 / SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/R760 / SC835TQ-R800 / SC836A-R1000 / SC836E1-R800/900 / SC836E2-R800/R900 / SC836TQ-R800/R900 *Heatsink: SNK-P0036A4 SC933E1/E2-R760 / SC933T-R760 / SC936A-R1000 / SC936A-R900 / SC936E1/E2-R900 *Heatsink: SNK-P0036A4	Server/ Workstation Mode
4U / Tower			SC742T-500 / SC743i-465/645/650/R760 / SC743T/TQ-R760 / SC743T-645/650/665 SC743TQ-865 / 743TQ-865-SQ / SC745TQ-800/R800 / SC846A-R1000 / SC846E1/E2/TQ-R900 *Heatsink: SNK-P0035AP4	Server/ Workstation Mode

Note - When ordering please select the Rev. K version of your chassis for support of Tylersburg motherboards.
* Sold separately.

MODEL	X8DTL-3(F)	X8DTL-i (F)	X8DAL-3	X8DAL-i
Processor	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)	Intel® Xeon® Processor 5500 Series (Nehalem)
Chipset/System Bus	Intel® 5500 chipset with QPI up to 6.4GT/s	Intel® 5500 chipset with QPI up to 6.4GT/s	Intel® 5500 chipset with QPI up to 6.4GT/s	Intel® 5500 chipset with QPI up to 6.4GT/s
Form Factor	ATX 12"W x 10"H	ATX 12"W x 10"H	ATX 12"W x 10"H	ATX 12"W x 10"H
Memory Capacity & Slots	24 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs	24 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs	24 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs	24 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs
Expansion Slots	2 PCI-E 2.0 x8 (1 in x16 slot) 1 PCI-E 2.0 x4 (in x8 slot) 1 PCI-E x4 (in x8 slot) 2 PCI	2 PCI-E 2.0 x8 (1 in x16 slot) 1 PCI-E 2.0 x4 (in x8 slot) 1 PCI-E x4 (in x8 slot) 2 PCI	1 PCI-E 2.0 x16 1 PCI-E 2.0 x4 (in x16 slot) 1 PCI-E x4 2 PCI	1 PCI-E 2.0 x16 1 PCI-E 2.0 x4 (in x16 slot) 1 PCI-E x4 2 PCI
Onboard RAID Controller	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 1068E 8-port SAS controller; RAID 0,1,10	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 1068E 8-port SAS controller; RAID 0,1,10	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)
iButton Support	AOC-iButton68 (RAID 5)	N/A	AOC-iButton68 (RAID 5)	N/A
Onboard LAN	Dual LAN with Intel® 82574L Gigabit Ethernet	Dual LAN with Intel® 82574L Gigabit Ethernet	Dual LAN with Intel® 82574L Gigabit Ethernet	Dual LAN with Intel® 82574L Gigabit Ethernet
Onboard VGA	Matrox G200eW	Matrox G200eW	N/A	N/A
Built-in EIDE USB Ports	Up to 6 USB 2.0 ports	Up to 6 USB 2.0 ports	Up to 8 USB 2.0 ports	Up to 8 USB 2.0 ports
Other Onboard I/O Devices	2 fast UART 16550 serial PS/2 mouse and keyboard conn.	2 fast UART 16550 serial PS/2 mouse and keyboard conn.	7.1 HD audio 2 fast UART 16550 serial PS/2 mouse and keyboard conn.	7.1 HD audio 2 fast UART 16550 serial PS/2 mouse and keyboard conn.
Manageability	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F versions only) Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control
Other Features	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection, UID	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection, UID	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM

Supermicro® *Server Building Block Solutions® - June, 2009*

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SC813MTQ-520C
- 520W high-efficiency power supply
- 4x 3.5" hot-swap SAS/SATA drive bays
- 1x slim CD-ROM drive
- 4x 4cm high-performance fans
- 1x Full-height, half-length I/O expansion slot
- Power switch, reset & 5 LED indicators

SC113MTQ-560C
- 560W Silver-Level Certified power supply
- 8x 2.5" hot-swap SAS/SATA drive bays
- 1x slim DVD-ROM drive
- 4x 4cm fans
- 1x full-height, full-length I/O expansion slot
- Power switch, reset and UID buttons & 5 LED indicators

SC733TQ-665
- 665W Bronze-Level certified high-efficiency power Supply, 27dB Whisper-Quiet sound level
- 4x 3.5" SAS/SATA hot-swap drive bays (with SES2 support) & 2x 5.25" drive bays
- 1x 9cm PWM cooling Fan & 1x 12cm PWM exhaust fan
- 7x I/O expansion slots & 2x front USB ports (2.0 ready)
- Locking bezel & locking side panel
- Power switch & 4 LED indicators

MB / Chassis	X8DTL-3/ X8DTL-3F	X8DTL-i/ X8DTL-iF	X8DAL-3	X8DAL-i	Fan Setting
1U	SC111T-360C (OEM only) SC113MTQ-360C (OEM only) SC512F-280 SC811i-280 SC811TQ-280 SC813MTQ-280C * Certain configuration * Heatink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC111T-560C SC113MTQ-560C SC512F-520/520L SC811i-410/420/520 SC811T-410/420 SC811TQ-520 SC813MTQ-520C * Heatink: SNK-P0037P * Riser card: CSE-RR1U-E8	SC111T-360C (OEM only) SC113MTQ-360C (OEM only) SC512F-280 SC811i-280 SC811TQ-280 SC813MTQ-280C * Certain configuration * Heatink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC111T-560C SC113MTQ-560C SC512F-520/520L SC811i-410/420/520 SC811T-410/420 SC811TQ-520 SC813MTQ-520C * Heatink: SNK-P0037P * Riser card: CSE-RR1U-E8			Server Mode
2U	SC213A/E1-R900LP SC216A/E1/E2-R900LP * Heatink: SNK-P0036A4 SC523L-520 * Heatsink: SNK-P0036A4 SC822T-400LP * Certain configuration * Heatink: SNK-P0036A4 SC823i-650LP SC823TQ-650LP *Heatink: SNK-P0036A4 SC823MTQ-R700LP SC825MTQ-R700LP *Heatink: SNK-P0037P SC825TQ-560LP/R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1/E2/TQ-R800LP *Heatsink: SNK-P0036A4	SC213A/E1-R900LP SC216A/E1/E2-R900LP * Heatink: SNK-P0036A4 SC523L-520 * Heatsink: SNK-P0036A4 SC822T-400LP * Certain configuration * Heatink: SNK-P0036A4 SC823i-650LP SC823TQ-650LP *Heatink: SNK-P0036A4 SC823MTQ-R700LP SC825MTQ-R700LP *Heatink: SNK-P0037P SC825TQ-560LP/R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1/E2/TQ-R800LP *Heatsink: SNK-P0036A4	SC213A/E1-R900LP SC216A/E1/E2-R900LP * Heatink: SNK-P0036A4 SC523L-520 * Heatsink: SNK-P0036A4 SC823MTQ-R700LP SC825MTQ-R700LP SC825TQ-560LP/R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1/E2/TQ-R800LP *Heatink: SNK-P0036A4	SC213A/E1-R900LP SC216A/E1/E2-R900LP * Heatink: SNK-P0036A4 SC523L-520 * Heatsink: SNK-P0036A4 SC823MTQ-R700LP SC825MTQ-R700LP *Heatink: SNK-P0037P SC825TQ-560LP/R700LP SC825TQ-R720LP SC826A-R1000LP SC826E1/E2/TQ-R800LP *Heatink: SNK-P0036A4	Server Mode
3U/ Mid-Tower	SC733E-465 SC733i-450 SC733i-465 SC733i-645 SC733T/TQ-465 SC733T/TQ-645/665 SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/760 SC835TQ-R800 SC836A-R1000 SC836E1-R800/R900 SC836E2-R800/R900 SC836TQ-R800/R900 *Heatsink: SNK-P0036A4 SC933E1/E2-R760 SC933T-R760 SC936A-R1000/R900 SC936E1/E2-R900 *Heatsink: SNK-P0036A4	SC733E-465 SC733i-450 SC733i-465 SC733i-645 SC733T/TQ-465 SC733T/TQ-645/665 SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/760 SC835TQ-R800 SC836A-R1000 SC836E1-R800/R900 SC836E2-R800/R900 SC836TQ-R800/R900 *Heatsink: SNK-P0036A4 SC933E1/E2-R760 SC933T-R760 SC936A-R1000/R900 SC936E1/E2-R900 *Heatsink: SNK-P0036A4	SC733E-465 SC733i-450 SC733i-465 SC733i-645 SC733T/TQ-465 SC733T/TQ-645/665 SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/760 SC835TQ-R800 SC836A-R1000 SC836E1-R800/R900 SC836E2-R800/R900 SC836TQ-R800/R900 *Heatsink: SNK-P0036A4 SC933E1/E2-R760 SC933T-R760 SC936A-R1000/R900 SC936E1/E2-R900 *Heatsink: SNK-P0036A4	SC733E-465 SC733i-450 SC733i-465 SC733i-645 SC733T/TQ-465 SC733T/TQ-645/665 SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/760 SC835TQ-R800 SC836A-R1000 SC836E1-R800/R900 SC836E2-R800/R900 SC836TQ-R800/R900 *Heatsink: SNK-P0036A4 SC933E1/E2-R760 SC933T-R760 SC936A-R1000/R900 SC936E1/E2-R900 *Heatsink: SNK-P0036A4	Server/ Workstation Mode
4U/ Tower	SC742T-500 SC743i-465/645/650/R760 SC743T/TQ-R760 SC743T-645/650/665 SC743TQ-865 743TQ-865-SQ SC745TQ-800/R800 SC846A-R1000 SC846E1/E2/TQ-R900 *Heatsink: SNK-P0035AP4	SC742T-500 SC743i-465/645/650/R760 SC743T/TQ-R760 SC743T-645/650/665 SC743TQ-865 743TQ-865-SQ SC745TQ-800/R800 SC846A-R1000 SC846E1/E2/TQ-R900 *Heatsink: SNK-P0035AP4	SC742T-500 SC743i-465/645/650/R760 SC743T/TQ-R760 SC743T-645/650/665 SC743TQ-865 743TQ-865-SQ SC745TQ-800/R800 SC846A-R1000 SC846E1/E2/TQ-R900 *Heatsink: SNK-P0035AP4	SC742T-500 SC743i-465/645/650/R760 SC743T/TQ-R760 SC743T-645/650/665 SC743TQ-865 743TQ-865-SQ SC745TQ-800/R800 SC846A-R1000 SC846E1/E2/TQ-R900 *Heatsink: SNK-P0035AP4	Server/ Workstation Mode

Note - When ordering please select the Rev. K version of your chassis for support of Tylersburg motherboards.
* Sold separately.
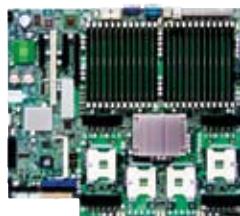
	6-Core Xeon® MP	Seaburg 1.6GHz FSB	Seaburg 1.6GHz FSB	Seaburg 1.6GHz FSB	Seaburg 1.6GHz FSB

MODEL	X7QC3/ X7QCE	X7DWN+	X7DWA-N	X7DWU	X7DWE
Processor	Quad Intel® 64-bit Xeon® MP 7400/7300/7200	Quad-Core/Dual-Core Intel® Xeon® 5400/5300LV/5200/5100LV	Quad-Core/Dual-Core Intel® Xeon® 5400/5300LV/5200/5100LV	Quad-Core/Dual-Core Intel® Xeon® 5400/5300LV/5200/5100LV	Quad-Core/Dual-Core Intel® Xeon® 5400/5300LV/5200/5100LV
Chipset/System Bus	Intel® 7300 (Clarksboro) Chipset 1066 MHz	Intel® 5400 (Seaburg) 1600/1333/1066 MHz	Intel® 5400 (Seaburg) 1600/1333/1066 MHz	Intel® 5400 (Seaburg) 1600/1333/1066 MHz	Intel® 5400 (Seaburg) 1600/1333/1066 MHz
Form Factor	Proprietary 16"W x 14.3"H	Ext. ATX 13.05"W x 13.68"H	Ext. ATX 12"W x 13"H	Proprietary 12.075"W x 13.05"H	ATX 12"W x 10"H
Optimized Chassis	1U: SC818TQ-1000 2U: SC828TQ-R1200 4U: SC748TQ-R1200 SC848A-R1800	2U: SC825TQ-R700LP 4U/Tower: SC745TQ-R800	4U/Tower: SC743TQ-865 SC743T-645	1U: SC111T-560U SC113TQ-560U/700U/R650U SC812L-520U SC815TQ-560U, SC815TQ-650U 2U: SC213A/E1-R900U SC216A/E1/E2-R900U SC823MTQ-R700U SC825MTQ-R700U SC825TQ-R700U/560U SC826TQ/E1/E2-R800U	Mini 1U: SC512F-520/520L/280†, SC513L-420† 1U: SC811TQ-520/280†, SC811T-420†/410†, SC811i-520/420†/410†/280†, SC813MTQ-520†/280C†, SC813MT-420C†/410C† 2U: SC825TQ/T-R500LP†/560LP† SC823i-R500LP†/560LP†, 4U/Tower: SC743T/i-645 Mid-tower: SC733TQ-645, SC733T-645, SC733i-645
Memory Capacity & Slots	192 GB of ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz	128 GB of ECC Fully-Buffered DIMM (FBD) DDR2 800/667/533 MHz SDRAM 1.8 & 1.5V FBD supported	64 GB of ECC Fully-Buffered DIMM (FBD) DDR2 800/667/533 MHz SDRAM 1.8 & 1.5V FBD supported	64 GB of ECC Fully-Buffered DIMM (FBD) DDR2 800/667/533 MHz SDRAM 1.8 & 1.5V FBD supported	32 GB ECC Fully-buffered DIMM (FBD) DDR2 800/667/553 MHz SDRAM 1.8 & 1.5V FBD supported
Expansion Slots	2 PCI-E x8 (in x16 slot) 1 PCI-E x4 (in x8 slot) 1 PCI-X 133MHz 1 SIMSO socket (IPMI 2.0)†	1 UIO Gen 2.0 slot 3 PCI-E x8 (2 w/ Gen 2.0) 1 PCI-E x4 2 PCI-X 133/100MHz 1 SIMSO socket (IPMI 2.0)†	1 UIO slot 2 PCI-E x16 Gen 2.0 2 PCI-X 133/100MHz 2 PCI 1 SIMLP slot (IPMI 2.0)†	Left-side w/ riser 1 UIO + 1 PCI-E Gen 2.0 x8 Right side w/ riser card 1 PCI-E 2.0 x8 1 SIMSO socket (IPMI 2.0)†	1 UIO slot 4 PCI-E x8 Gen 2.0 slot 1 PCI-E x4 (in x8 slot) 1 PCI-X 133MHz 1 SIMLP slot (IPMI 2.0)†
Onboard RAID Controller	Intel® ESB2 for 6 SATA (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux) LSI 1068E 8-Port SAS controller; RAID 0, 1, 5, 10 (X7QC3 only)	Intel® ESB2 for 6 SATA (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Intel® ESB2 for 6 SATA (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Intel® ESB2 for 6 SATA (3Gbps); RAID 0, 1, 5, 10 (Windows) Linux 0, 1, 10 (Linux)	Intel® ESB2 for 6 SATA (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)
ZCR Card Support	AOC-iButton68 (RAID 5)	N/A	N/A	N/A	N/A
Onboard LAN	Dual LAN with Intel® 82575 EB Gigabit Ethernet controller (with I/OAT support)	Dual LAN with Intel® 82575 EB Gigabit Ethernet controller (with I/OAT support)	Dual LAN with Intel® 82575 EB Gigabit Ethernet controller (with I/OAT support)	Dual LAN with Intel® 82575EB Gigabit Ethernet controller (with I/OAT support)	Dual LAN with Intel® 82563EB Gigabit Ethernet controller (with I/OAT support)
Onboard VGA	ATI ES1000 32 Mb	ATI® ES1000 32Mb	N/A	ATI ES1000 32 Mb	XGI Z9s 32Mb
Built-in EIDE USB Ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 7 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	7.1 HD audio Dual IEEE 1394 ports 1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn. 1 ECP/EEP parallel port	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	1 floppy port 1 fast UART 16550 serial PS/2 mouse & keyboard conn.
Manageability	AOC-SIMSO(+) - CBL-0177L is required to support dedicated LAN Watch Dog, SuperDoctor® III	AOC-SIMSO(+) - CBL-0177L is required to support dedicated LAN Watch Dog, SuperDoctor® III	AOC-SIMLP-B; AOC-SIMLP-3 with 3rd LAN support Watch Dog, SuperDoctor® III	AOC-SIMSO(+) - CBL-0177L is required to support dedicated LAN Watch Dog, SuperDoctor® III	AOC-SIMLP-B(+); AOC-SIMLP-3(+) with 3rd LAN support Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of nine 4-pin fan headers with tachometer monitoring on 9 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, thermal control tachometer fan connectors	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 8 Mb Flash ROM	Phoenix 16 Mb Flash ROM	Phoenix 16Mb Flash ROM	Phoenix 16 Mb Flash ROM	Phoenix 16 Mb Flash ROM

† For the most current product information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

	Seaburg 1.6GHz FSB	San Clemente DDR2 Reg. ECC	San Clemente DDR2 Reg. ECC	San Clemente DDR2 Reg. ECC	San Clemente DDR2 Reg. ECC
MODEL	X7DWT/ X7DWT-INF/+	X7DCL-3	X7DCL-i	X7DCA-L	X7DCA-3/ X7DCA-i
Processor	Quad-Core/Dual-Core Intel® Xeon® 5400/5300LV/5200/5100LV	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100
Chipset/System Bus	Intel® 5400 (Seaburg) 1600/1333/1066 MHz	Intel® 5100 (San Clemente) 1333/1066 MHz	Intel® 5100 (San Clemente) 1333/1066 MHz	Intel® 5100 (San Clemente) 1333/1066 MHz	Intel® 5100 (San Clemente) 1333/1066 MHz
Form Factor	Proprietary 6.5"W x 16.4"H	ATX 12.05"W x 10"H	ATX 12.05"W x 10"H	Proprietary 10"W x 10"H	Ext. ATX 12.075"W x 13.05"H
Optimized Chassis	1U: SC808T-980 SC809T-980	1U: 111T-560C, 113MTQ-560C SC813MTQ-520/280C SC813MT-420C/410C 2U: SC823TQ-650LP 4U/Tower: SC743T-645/465 Mid-Tower: SC733T-645/650 SC733TQ-645/650	1U: 111T-560C, 113MTQ-560C SC813MTQ-520/280C SC813MT-420C/410C 2U: SC823TQ-650LP 4U/Tower: SC743T-645/465 Mid-Tower: SC733T-645/650 SC733TQ-645/650	3U: SC733TQ-465/645 4U: SC743TQ-645/865/865-SQ	4U: SC743TQ-865/865-SQ SC743T-645
Memory Capacity & Slots	64 GB ECC Fully-buffered DIMM (FBD) DDR2 800/667/553 MHz SDRAM 1.8 & 1.5V FBD supported	32/48 GB** of DDR2 Reg. ECC 667/533 MHz SDRAM	32/48 GB** of DDR2 Reg. ECC 667/533 MHz SDRAM	48 GB of DDR2 Reg. ECC 667/533 MHz SDRAM	48 GB of DDR2 Reg. ECC 667/533 MHz SDRAM
Expansion Slots	1 (x16) PCI-E Gen 2.0 slot 1 SIMSO socket (IPMI 2.0)†	2 PCI-E x8 1 PCI-E x4 (using x8 slot) 3 PCI 1 SIMLC slot (IPMI 2.0) †	2 PCI-E x8 1 PCI-E x4 (using x8 slot) 3 PCI 1 SIMLC slot (IPMI 2.0) †	1 PCI-E x16, 1 PCI-E x8, 1 PCI-E x 4 (using x8 slot), 1 32-bit PCI	1 PCI-E x16, 1 PCI-E x 4 (using x16 slot), 2 PCI-X 133/100 MHz, 2 PCI 1 SIMLP slot (IPMI 2.0) †
Onboard RAID Controller	Intel® ESB2 for 4 SATA; RAID 0, 1, 5, 10 (Windows) Linux 0, 1, 10 (Linux)	Intel® ICH9R for 6 SATA (3Gbps); RAID 0, 1, 5, 10 (Windows) Linux 0, 1, 10 (Linux) LSI 1068E Controller 8 Ports SAS; RAID 0, 1, 10	Intel® ICH9R for 6 SATA (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Intel® ICH9R for 6 SATA (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Intel® ICH9R for 6 SATA (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux) LSI 1068E Controller 8 Ports SAS; RAID 0, 1, 10 (X7DCA-3 only)
ZCR Card Support	N/A	AOC-iButton68 (RAID 5)	N/A	N/A	AOC-iButton68 (RAID 5)
Onboard LAN	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)	Dual LAN with Intel® 82573V & 82573L Gigabit Ethernet controllers	Dual LAN with Intel® 82573V & 82573L Gigabit Ethernet controllers	Dual LAN with dual Intel® 82573L Gigabit Ethernet controllers	Dual LAN with Intel® 82573V & 82573L Gigabit Ethernet controllers
Onboard VGA	ATI ES1000 32Mb graphics controller	XGI Z9s 32Mb graphics controller	XGI Z9s 32Mb graphics controller	XGI Z9s 32Mb graphics controller	N/A
Built-in EIDE USB Ports	Up to 4 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	Up to 8 USB 2.0 ports	ATA/100 Up to 10 USB 2.0 ports
Other Onboard I/O Devices	1 Ext. Infiniband connector (InfiniHost III for X7DWT-INF) (ConnectX for X7DWT-INF+)	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	7.1 HD-audio 1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	7.1 HD-audio 1 ECP/EEP parallel port 1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.
Manageability	AOC-SIMSO(+) Watch Dog SuperDoctor® III	AOC-SIMLC(+)** Watch Dog SuperDoctor® III	AOC-SIMLC(+)** Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	AOC-SIMLP-B; AOC-SIMLP-3 with 3rd LAN support Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header
Thermal Control	Proprietary fan header & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication
Other Features	ACPI power management, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection.	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection.	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 16 Mb Flash ROM	16 Mb SPI Flash ROM	16 Mb SPI Flash ROM	16 Mb SPI Flash ROM	16 Mb SPI Flash ROM

† For the most current product information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

** Only on 1.1a version

San Clemente
DDR2 Reg. ECC

San Clemente
DDR2 Reg. ECC

San Clemente
DDR2 Reg. ECC

SUPER○
SERVER
SOLUTION

MODEL	X7DCT	X7DCT-10G	X7DCT-L/ X7DCT-LF
Processor	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100	Quad-core Intel® Xeon® 5400/5200/5300/5100
Chipset/System Bus	Intel® 5100 (San Clemente) 1333/1066 MHz	Intel® 5100 (San Clemente) 1333/1066 MHz	Intel® 5100 (San Clemente) 1333/1066 MHz
Form Factor	Proprietary 6.5"W X 16.4"H	Proprietary 6.5"W X 16.4"H	Proprietary 6.5"W x 16.4"H
Optimized Chassis	1U: SC808T-780 SC809T-780	1U: SC808T-780 SC809T-780	1U: SC808T-780 SC809T-780
Memory Capacity & Slots	48 GB of DDR2 Reg. ECC 667/533 MHz SDRAM	48 GB of DDR2 Reg. ECC 667/533 MHz SDRAM	48 GB of DDR2 Reg. ECC 667/533 MHz SDRAM
Expansion Slots	1 PCI-E x16 slot 1 SIMSO socket (IPMI 2.0)†	1 PCI-E x16 slot 1 SIMSO socket (IPMI 2.0)†	1 PCI-E x8 in x16
Onboard RAID Controller	Intel® ICH9R for 4 SATA2 (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Intel® ICH9R for 4 SATA2 (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Intel® ICH9R for 4 SATA2 (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)
Onboard LAN	Dual LAN with Intel® 82573V/L Gigabit Ethernet controller (with I/OAT support)	Dual LAN with Intel® 82573V/L Gigabit Ethernet controller (with I/OAT support)	Intel® Dual 82575 dual Gigabit Ethernet controllers (with I/OAT support)
Onboard VGA	ATI ES1000 32Mb graphics controller	ATI ES1000 32Mb graphics controller	Matrox G200eW 128Mb memory shared between video and server management (X7DCT-LF)
Built-in EIDE USB Ports	Up to 5 USB 2.0 ports	Up to 5 USB 2.0 ports	Up to 5 USB 2.0 ports
Other Onboard I/O Devices	1 fast UART 16550 serial	1 fast UART 16550 serial Intel® 82598EB 10 Gigabit Ethernet controller w/ CX4 interface (X7DCT-10G)	1 fast UART 16550 serial
Manageability	AOC-SIMSO(+) Watch Dog SuperDoctor® III	AOC-SIMSO(+) Watch Dog SuperDoctor® III	Dedicated LAN supports IPMI 2.0 (X7DCT-LF) Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 3-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 3-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 3-fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & fan speed control w/ overheat LED indication	4-pin PWM & fan speed control w/ overheat LED indication	4-pin PWM & fan speed control w/ overheat LED indication
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	16 Mb SPI Flash ROM	16 Mb SPI Flash ROM	16 Mb SPI Flash ROM

† For the most IPMI information, visit: *http://www.supermicro.com/products/accessories/addon/SIM.cfm*

SUPERMICRO® *Server Building Block Solutions® - June, 2009*

MODEL	X7DCT-3/ X7DCT-3F	X7DCT-3IBXF	X7DCX	X7DCU
Processor	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100	Dual socket Intel® Xeon® 5400/5300/5200/5100	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100
Chipset/System Bus	Intel® 5100 (San Clemente) 1333/1066 MHz	Intel® 5100 (San Clemente) 1333/1066 MHz	Intel® 5100 (San Clemente) 1333/1066 MHz	Intel® 5100 (San Clemente) 1333/1066 MHz
Form Factor	Proprietary 6.5"W X 16.4"H	Proprietary 6.5"W X 16.4"H	Ext. ATX 12"W x 13"H	Proprietary 8.1"W x 13"H
Optimized Chassis	1U: SC808T-780 SC809T-780	1U: SC808T-780 SC809T-780	2U: 213A/E1-R900LPB, 216A/E1-R900LPB SC825MTQ-R700LPB, SC825TQ-R700LPV SC823T-650LP, SC823MTQ-R700LPB 3U: SC835TQ-R800B SC836A/E1/E2-R900B SC836TQ-R800V, SC833T-R760/550 SC933T-R760 4U/Tower: SC745TQ/E1/E2-R800/800 SC743TQ-R760/SC743T-R760/650 SC743i-R760/650, SC846TQ/E1/E2-R900B	1U: SC111T-560U, SC113TQ-560U/700U/R650U SC812L-520U, SC815-560U, SC815TQ-R650U 2U: SC213A/E1-R900U, SC216A/E1/E2-R900W SC823MTQ-R700U, C825MTQ-R700U SC825TQ-R700U/560U SC826TQ/E1/E2-R800U
Memory Capacity & Slots	48 GB of DDR2 Reg. ECC 667/533 SDRAM	48 GB of DDR2 Reg. ECC 667/533 SDRAM	48 GB of DDR2 Reg. ECC 667/533 MHz SDRAM	48 GB of DDR2 Reg. ECC 667/533 MHz SDRAM
Expansion Slots	1 PCI-E x8 in x16	1 PCI-E x8 in x16	5 PCI-E x8 (1 using x16 slot) 1 PCI-E x 4 (using x8 slot) 1 PCI 1 SIMSO socket (IPMI 2.0)†	Right Side: 1 PCI-E x8 Left Side: 1 PCI x 8, or UIO, or PCI-E x16 2U solution: *(Refer to Riser Cards for more options)* 1 SIMSO socket (IPMI 2.0)†
Onboard RAID Controller	LSI 1064E 4-port SAS controller; RAID 0,1,10	LSI 1064E 4-port SAS controller; RAID 0,1,10	Intel® ICH9R for 6 SATA2 (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Intel® ICH9R for 6 SATA2 (3Gbps); RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)
ZCR Card Support	AOC-iButton68 (RAID5)	AOC-iButton68 (RAID5)	N/A	N/A
Onboard LAN	Intel® Dual 82575 dual Gigabit Ethernet controllers (with I/OAT support)	Intel® Dual 82575 dual Gigabit Ethernet controllers (with I/OAT support)	Dual Intel® 82573V/L Gigabit Ethernet controllers (with I/OAT support)	Dual LAN with Intel® 82575EB Gigabit Ethernet controller (with I/OAT support)
Onboard VGA	Matrox G200eW 128Mb memory shared between video and server management *(X7DCT-3F only)*	Matrox G200eW	XGI Z9s 32Mb graphics controller	ATI ES1000 32Mb graphics controller
Built-in EIDE USB Ports	Up to 5 USB 2.0 ports	Up to 5 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	ATA100/ Up to 6 USB 2.0 ports
Other Onboard I/O Devices	1 fast UART 16550 serial	1 fast UART 16550 serial Mellanox ConnectX iB Infiniband 20Gbps Controller w/ CX4 interface	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	1 floppy port 1 fast UART 16550 serial PS/2 mouse & Keyboard conn.
Manageability	Dedicated LAN supports IPMI 2.0 *(X7DCT-3F only)* Watch Dog SuperDoctor® III	Dedicated LAN supports IPMI 2.0 Watch Dog SuperDoctor® III	AOC-SIMSO(+) - *CBL-0177L is required to support dedicated LAN* Watch Dog SuperDoctor® III	AOC-SIMSO(+) Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 3-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 3-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 8-fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & fan speed control w/ overheat LED indication	4-pin PWM & fan speed control w/ overheat LED indication	4-pin PWM & 3-pin fan speed control w/ overheat LED indication	4-pin PWM & 3-pin fan speed control w/ overheat LED indication
Other Features	ACPI power management, internal/ external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	16 Mb SPI Flash ROM	16 Mb SPI Flash ROM	16 Mb SPI Flash ROM	16 Mb SPI Flash

† For the most current product information, visit: *http://www.supermicro.com/products/accessories/addon/SIM.cfm*

MODEL	X7DB8+/ X7DBE+	X7DBi+	X7DB3	X7DB8/ X7DBE	X7DB8-X/ X7DBE-X
Processor	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000
Chipset/System Bus	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz
Form Factor	Ext. ATX 13.68"W x 13"H	Ext. ATX 13.68"W x 13"H	Ext. ATX 12"W x 13.05"H	Ext. ATX 12"W x 13.05"H	Ext. ATX 12"W x 13.05"H
Optimized Chassis	X7DB8+ 2U: SC825S2-R700LP/R700RCV SC825S2-560LPV/560RC 3U: SC836S2-R800V 4U/Tower: SC745S2-R800/800 X7DBE+ 2U: SC825TQ-R700/560LP SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC936A/E1/E2-R900 4U/Tower: SC745TQ-R800/800 SC846TQ/E1/E2-R900	2U: SC825TQ-R700/560LP SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1/E2-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC936A/E1/E2-R900 4U/Tower: SC745TQ-R800/800 SC846TQ/E1/E2-R900	2U: SC825TQ-R700/560LP SC823T-650LP, SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550, SC936A/E1/E2-R900 SC933T/E1/E2-R760 4U/Tower: SC743T/TQ/i-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900	X7DB8 2U: SC825S2-R700LPV/ R700RCV/560LPV SC825S2-560RCV SC823S-550LP/R500LP/R500RC 3U: SC836S2-R800V, SC836TQ-R800V SC833S2-R760/550, SC833S-R760/550 SC933S2-R760, SC933S1-R760 4U/Tower: SC745S2-R800/800 SC743S1/SC743S2-R760 SC743S1/SC743S2-650 X7DBE 2U: SC825TQ-R700/560LP SC823T-650LP, SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550, SC936A/E1/E2-R900 SC933T/E1/E2-R760 4U/Tower: SC743T/TQ/I-R760/650, SC745TQ-R800/800, SC846TQ/E1/E2-R900	X7DB8-X 2U: SC825TQ-R700LPV/ R700RCV/560LPV SC825S2-560RCV SC823S-550LP/R500LP/R500RC 3U: SC836S2-R800V, SC836TQ-R800V SC833S2-R760/550, SC833S-R760/550 SC933S2-R760, SC933S1-R760 4U/Tower: SC745S2-R800/800 SC743S1/SC743S2-R760 SC743S1/SC743S2-650 X7DBE-X 2U: SC825TQ-R700/560LP SC823T-650LP, SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800, SC836TQ/E1/E2-R800, SC833T-R760/550, SC936A/E1/E2-R900, SC933T/E1/E2-R760 4U/Tower: SC743T/TQ/I-R760/650, SC745TQ-R800/800, SC846TQ/E1/E2-R900
Memory Capacity & Slots	64 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	64 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM
Expansion Slots	2 PCI-E x8 1 PCI-E x4 2 PCI-X 133MHz 1 PCI-X 100MHz 1 SIMLP slot (IPMI 2.0)	2 PCI-E x8 (in x16 slot) 3 PCI-E x4 (in x8 slot) 1 PCI-X 133 MHz 1 SIMLP slot (IPMI 2.0)	2 PCI-E x8 1 PCI-E x4 2 PCI-X 133MHz 1 PCI-X 100MHz 1 SIMLP slot (IPMI 2.0)	2 PCI-E x8 1 PCI-E x4 2 PCI-X 133MHz 1 PCI-X 100MHz 1 SIMLP slot (IPMI 2.0)	3 PCI-X 133MHz 3 PCI-X 100MHz 1 SIMLP slot (IPMI 2.0)
Onboard RAID Controller	Adaptec 7902W dual channel Ultra320 SCSI controller; RAID 0, 1, 10 (X7DB8+ only) Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Intel® ESB2 for 6 SATA (3Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Adaptec 9410 controller for 8 SAS/SATA; RAID 0, 1,10 Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Adaptec 7902W dual channel Ultra320 SCSI controller; RAID 0, 1, 10 (X7DB8 only) Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Adaptec 7902W dual channel Ultra320 SCSI controller; RAID 0, 1, 10 (X7DB8-X only) Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)
ZCR Card Support	X7DB8+: AOC-LPZCR1 AOC-LPZCR2 AOC-LPZCR3	N/A	AOC-LPZCR2 AOC-LPZCR3	X7DB8: AOC-LPZCR1 AOC-LPZCR2 AOC-LPZCR3	X7DB8-X: AOC-LPZCR1 AOC-LPZCR2 AOC-LPZCR3
Onboard LAN	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)
Onboard VGA	ATI ES1000 16Mb PCI graphics controller	ATI ES1000 16Mb PCI graphics controller	ATI ES1000 16Mb PCI graphics controller	ATI ES1000 16Mb PCI graphics controller	ATI ES1000 16Mb PCI graphics controller
Built-in EIDE USB Ports	ATA100/ Up to 5 USB 2.0 ports	ATA100/ Up to 5 USB 2.0 ports	ATA100/ Up to 5 USB 2.0 ports	ATA100/ Up to 5 USB 2.0 ports	ATA100/ Up to 5 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial 1 ECP/EEP parallel port PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EEP parallel port PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EEP parallel port PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EEP parallel port PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard conn.
Manageability	AOC-SIMLP-B(+); AOC-SIMLP-3(+) w/ 3rd LAN support Watch Dog, SuperDoctor® III	AOC-SIMLP-B(+); AOC-SIMLP-3(+) w/ 3rd LAN support Watch Dog, SuperDoctor® III	AOC-SIMLP-B(+); AOC-SIMLP-3(+) w/ 3rd LAN support Watch Dog, SuperDoctor® III	AOC-SIMLP-B(+); AOC-SIMLP-3(+) w/ 3rd LAN support Watch Dog, SuperDoctor® III	AOC-SIMLP-B(+); AOC-SIMLP-3(+) w/ 3rd LAN support Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, 5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, 5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & 3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM

† For the most current IPMI information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

MODEL	X7DBU	X7DBN	X7DBT/ X7DBT-INF	X7DGU	X7DGT/ X7DGT-INF
Processor	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000
Chipset/System Bus	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz	Intel® 5000X 1333/1066/667 MHz	Intel® 5000X 1333/1066/667 MHz
Form Factor	Proprietary 12"W x 13"H	Ext. ATX 12"W x 13"H	Proprietary 6.5"W x 16.4"H	Proprietary 12"W x 13"H	Proprietary 6.5"W x 16.4"H
Optimized Chassis	1U: SC111T-560U SC113TQ-560U/700U/R650U SC812L-520U SC815-560U, SC815TQ-R650U 2U: SC213A/E1-R900U SC216A/E1/E2-R900U SC823MTQ-R700U SC825MTQ-R700U SC825TQ-R700U/560U SC826TQ/E1/E2-R800U	2U: SC825TQ-R700/560LP SC823T-650LP, SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550, SC936A/E1/E2-R900 SC933T/E1/E2-R760 4U/Tower: SC743T/TQ/I-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900	1U: SC808T-980 SC809T-980	1U: SC111T-560U SC113TQ-560U/700U/R650U SC812L-520U SC815-560U, SC815TQ-R650U	1U: SC808T-980 SC809T-980
Memory Capacity & Slots	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM
Expansion Slots	1U solution: Right slot: 1 Universal PCI-X 133 or PCI-E x8 Left slot: 1 Universal I/O (UIO) slot & 1 PCI-E x8 via riser card or 2 PCI-E x8 via riser card 2U solution: Refer to UIO Solution page 1 SIMSO socket (IPMI 2.0)	1 Universal I/O (UIO) slot 2 PCI-E x8 1 PCI-E x4 2 PCI-X 133/100 1 PCI 1 SIMLP slot (IPMI 2.0)	1 PCI-E x8 via riser card 1 SIMSO socket (IPMI 2.0)	1U solution: Right slot: 1 Universal PCI-X 133 or PCI-E x8 Left slot: 1 PCI-E x16 via riser card 1 SIMSO socket (IPMI 2.0)	1 PCI-E x8 via riser card 1 SIMSO socket (IPMI 2.0)
Onboard RAID Controller	Intel® ESB2 for 6 SATA (3Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Intel® ESB2 for 6 SATA (3Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Intel® ESB2 for 4 SATA (3Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Intel® ESB2 for 6 SATA (3Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Intel® ESB2 for 4 SATA (3Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)
Onboard LAN	Dual LAN w/ Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)	Dual LAN w/ Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)	Dual LAN w/ Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)	Dual LAN w/ Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)	Dual LAN w/ Intel® 82563EB Gigabit Ethernet Controller (with I/OAT support)
Onboard VGA	ATI ES1000 16Mb graphics controller	ATI ES1000 16Mb graphics controller	ATI ES1000 16Mb graphics controller	ATI ES1000 16Mb graphics controller	ATI ES1000 16Mb graphics controller
Built-in EIDE USB Ports	ATA100/ up to 5 USB 2.0 ports	ATA100/ Up to 5 USB 2.0 ports	Up to 4 USB 2.0 ports	ATA100/ Up to 5 USB 2.0 ports	Up to 4 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EEP parallel port PS/2 mouse and keyboard conn.	1 fast UART 16550 serial Mellanox MT25204 for 20Gbps Infiniband (X7DBT-INF only)	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard conn.	1 fast UART 16550 serial PS/2 mouse and keyboard conn. Mellanox MT25204 for 20Gbps Infinihost III (X7DGT-INF only)
Manageability	AOC-SIMSO(+) - *CBL-0177L is required to support dedicated LAN* Watch Dog, SuperDoctor® III	AOC-SIMLP-B(+); AOC-SIMLP-3(+) with 3rd LAN support Watch Dog, SuperDoctor® III	AOC-SIMSO(+) Watch Dog, SuperDoctor® III	AOC-SIMSO(+) - *CBL-0177L is required to support dedicated LAN* Watch Dog, SuperDoctor® III	AOC-SIMSO(+) Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 6 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & 3-pin fan speed control w/ overheat LED	4-pin PWM & 3-pin fan speed control w/ overheat LED	Proprietary fans & overheat LED indication	4-pin PWM & 3-pin fan speed control w/ overheat LED	Proprietary fans & overheat LED indication
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM

† For the most current IPMI information, visit: *http://www.supermicro.com/products/accessories/addon/SIM.cfm*

MODEL	X7DBR-8+/ X7DBR-i+	X7DBR-8/ X7DBR-i	X7DBR-3/ X7DBR-E	X7DBP-8/ X7DBP-i	X7DBX-8/ X7DBX-i
Processor	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000
Chipset/System Bus	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz	Intel® 5000P 1333/1066/667 MHz
Form Factor	Ext. ATX 13.68"W x 13"H	Ext. ATX 12"W x 13"H	Ext. ATX 12"W x 13"H	Proprietary 11.23"W x 16.24"H	Proprietary 11.24"W x 16.24"H
Optimized Chassis	X7DBR-8+ 1U: SC815S-700V SC815S-560V X7DBR-i+ 1U: SC815TQ-700V SC815TQ-560V	X7DBR-8 1U: SC815S-700V/ R650V/560V SC813S-520 X7DBR-i 1U: SC815TQ-700V SC815TQ-R650V SC815TQ-560V SC813TQ-520 SC812L-520/420	X7DBR-3 1U: SC815TQ-560V SC815TQ-R650V SC815TQ-700V SC813TQ-520 X7DBR-E 1U: SC815TQ-560V/R650V SC813TQ-520 SC812L-520 2U: SC825TQ-560RC2V SC825TQ-R700RC2V	X7DBP-8 1U: SC816S-R700, SC816S-700 X7DBP-i 1U: SC816A-R700, SC816A-700	X7DBX-8 1U: SC819S-700V (OEM only) X7DBX-i 1U: SC819TQ-700V (OEM only)
Memory Capacity & Slots	64GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM
Expansion Slots	Left: 1 Universal slot: PCI-X 133 or PCI-E x8 Right: 1 PCI-Express x8 (for 2U) 1 SIMSO socket (IPMI 2.0)	Universal slots: 1U: 1 PCI-X 100 or PCI-E x8 & 1 PCI-X 100 or PCI-E x8 2U: 1 PCI-X 100 & 2 PCI-E x8 or 3 PCI-X 133 Right: 1 PCI-X 100 & 2 PCI-E x4 1 SIMSO socket (IPMI 2.0)	Universal slots: 1U: 1 PCI-X 133 or PCI-E x8 & 1 PCI-X 100 or PCI-E x8 2U: 1 PCI-X 133 & 2 PCI-E x8 or 3 PCI-X 133 or 1 PCI-X 100 & 2 PCI-E x4 1 SIMSO socket (IPMI 2.0)	1 Universal: PCI-X 133 or PCI-E x8 1 Universal: PCI-X 133/100 or PCI-E x8 1 SIM1U Slot (IPMI 2.0)	Left auxiliary slot: 1/1 PCI-E x8/x4 1 Universal: PCI-X 133 or PCI-E x8 1 Universal: PCI-X 133/100 or PCI-E x4 1 SIM1U Slot (IPMI 2.0)
Onboard RAID Controller	Adaptec 7902W dual channel Ultra320 SCSI controller w/ host RAID 0,1, 10 (X7DBR-8+ only) Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10	Adaptec 7902W dual channel Ultra320 SCSI controller w/ host RAID 0, 1, 10 (X7DBR-8 only) Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10	Adaptec 9410 controller for 8 SAS/SATA (4 Int. & 4 Ext); RAID 0, 1,10 (X7DBR-3 only) Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10	Adaptec 7902W dual channel Ultra320 SCSI controller w/ host RAID 0, 1, 10 (X7DBX-8 only) Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10	Adaptec 7902W dual channel Ultra320 SCSI controller w/ host RAID 0, 1, 10 (X7DBX-8 only) Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10
ZCR Card Support	X7DBR-8+: AOC-SOZCR1	X7DBR-8: AOC-LPZCR1 AOC-LPZCR2 AOC-LPZCR3	X7DBR-3: AOC-LPZCR2 AOC-LPZCR3	X7DBP-8: AOC-LPZCR1 AOC-LPZCR2 AOC-LPZCR3	X7DBX-8: AOC-LPZCR1 AOC-LPZCR2 AOC-LPZCR3
Onboard LAN	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller
Onboard VGA	ATI ES1000 16Mb PCI graphics controller	ATI ES1000 16Mb PCI graphics controller	ATI ES1000 16Mb PCI graphics controller	ATI ES1000 16Mb PCI graphics controller	ATI ES1000 16Mb PCI graphics controller
Built-in EIDE USB Ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.
Manageability	AOC-SIMSO(+) Watch Dog, SuperDoctor® III	AOC-SIMSO(+) Watch Dog, SuperDoctor® III	AOC-SIMSO(+) Watch Dog, SuperDoctor® III	AOC-SIM1U-3B(+); AOC-SIM1U-3D Watch Dog, SuperDoctor® III	AOC-SIM1U-3B(+); AOC-SIM1U-3D Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 5 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 5 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 5 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and total of 10 6-pin proprietary fan headers with 10-fans status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and total of 10 6-pin proprietary fan headers with 10-fans status, supports system management utility, chassis intrusion header
Thermal Control	3-pin fan speed control & overheat LED	3-pin fan speed control & overheat LED	3-pin fan speed control & overheat LED	Proprietary fans & overheat LED indication	Proprietary fans & overheat LED indication
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM

† For the most current IPMI information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

MODEL	X7DVL-L	X7DVL-3	X7DVL-i	X7DVL-E	X7DVA-8/ X7DVA-E
Processor	Quad-core/Dual-core Intel® Xeon® 5300††/5100 Series	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-core/Dual-core Intel® Xeon® 5400/5300/5200/5100/5000
Chipset/System Bus	Intel® 5000V 1333/1066 MHz	Intel® 5000V 1333/1066/667 MHz	Intel® 5000V 1333/1066/667 MHz	Intel® 5000V 1333/1066/667 MHz	Intel® 5000V 1333/1066/667 MHz
Form Factor	Micro ATX 9.6"W x 10"H	ATX 12"W x 10"H	ATX 12"W x 10"H	ATX 12"W x 10"H	ATX 12"W x 10"H
Optimized Chassis	Mini 1U: SC512F-520/280†, SC513L-420† 1U: SC111T-560C, SC113MTQ-560C, SC811TQ-520/280†, SC811T-420†/410†, SC811i-520/420†/410†/280†, SC813MTQ-520†/280C†, SC813MT-420C†/410C† 2U: SC825TQ-R700/560LP SC823T-650LP, SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550, SC936A/E1/E2-R900 SC933T/E1/E2-R760 4U/Tower: SC743T/TQ/i-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900 Mid-tower: SC733TQ/T/i-645	Mini 1U: SC512F-520/280†, SC513L-420† 1U: SC111T-560C, SC113MTQ-560C, SC811TQ-520/280†, SC811T-420†/410†, SC811i-520/420†/410†/280†, SC813MTQ-520†/280C†, SC813MT-420C†/410C† 2U: SC825TQ-R700/560LP SC823T-650LP, SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550, SC936A/E1/E2-R900 SC933T/E1/E2-R760 4U/Tower: SC743T/TQ/i-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900 Mid-tower: SC733TQ/T/i-645	Mini 1U: SC512F-520/280†, SC513L-420† 1U: SC111T-560C, SC113MTQ-560C, SC811TQ-520/280†, SC811T-420†/410†, SC811i-520/420†/410†/280†, SC813MTQ-520†/280C†, SC813MT-420C†/410C† 2U: SC825TQ-R700/560LP SC823T-650LP, SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550, SC936A/E1/E2-R900 SC933T/E1/E2-R760 4U/Tower: SC743T/TQ/i-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900 Mid-tower: SC733TQ/T/i-645	Mini 1U: SC512F-520/280†, SC513L-420† 1U: SC111T-560C, SC113MTQ-560C, SC811TQ-520/280†, SC811T-420†/410†, SC811i-520/420†/410†/280†, SC813MTQ-520†/280C†, SC813MT-420C†/410C† 2U: SC825TQ-R700/560LP SC823T-650LP, SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550, SC936A/E1/E2-R900 SC933T/E1/E2-R760 4U/Tower: SC743T/TQ/i-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900 Mid-tower: SC733TQ/T/i-645	X7DVA-8 1U: SC813MS-520†/420†/410†/280† 2U: SC823S-550LP† 4U/Tower: SC743S1-645 X7DVA-E Mini 1U: SC512F-520/280†, SC513L-420† 1U: SC111T-560C, SC113MTQ-560C, SC811TQ-520/280†, SC811T-420†/410†, SC811i-520/420†/410†/280†, SC813MTQ-520†/280C†, SC813MT-420C†/410C† 2U: SC825TQ-R700/560LP SC823T-650LP, SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550, SC936A/E1/E2-R900 SC933T/E1/E2-R760 4U/Tower: SC743T/TQ/i-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900 Mid-tower: SC733TQ/T/i-645
Memory Capacity & Slots	16 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	24 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	24 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	24 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	24 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM
Expansion Slots	1 PCI-E x8 1 PCI	1 Universal: PCI-X 133MHz or PCI-E x8 1 PCI-X 133/100MHz 1 PCI 1 SIMLC slot (IPMI 2.0)	1 Universal: PCI-X 133MHz or PCI-E x8 1 PCI-X 133/100MHz 1 PCI 1 SIMLC slot (IPMI 2.0)	1 PCI-E x8 1 PCI-E x4 (in x8 slot) 2 PCI-X 133MHz 2 PCI 33MHz 1 SIMLC slot (IPMI 2.0)	1 PCI-E x8 1 PCI-E x4 (in x8 slot) 2 PCI-X 100MHz 1 PCI 33MHz 1 SIMLP slot (IPMI 2.0)
Onboard RAID Controller	Intel® ESB2 for 4 SATA (3 Gbps) RAID 0, 1, 5, 10	Intel® ESB2 for 6 SATA (3 Gbps): RAID 0, 1, 5, 10 LSI 1068E 8-port SAS controller; RAID 0, 1, 10	Intel® ESB2 for 6 SATA (3 Gbps): RAID 0, 1, 5, 10	Intel® ESB2 for 6 SATA (3 Gbps): RAID 0, 1, 5, 10	Intel® ESB2 for 6 SATA (3 Gbps): RAID 0, 1, 5, 10 Adaptec 7902W dual channel Ultra320 SCSI controller w/ host RAID 0, 1, 10 (X7DVA-8 only)
ZCR Card Support	N/A	AOC-iButton68 (RAID 5)	N/A	N/A	X7DVA-8: AOC-LPZCR1 AOC-LPZCR2 AOC-LPZCR3
Onboard LAN	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller
Onboard VGA	XGI Z7 16Mb graphics controller	XGI Z7 16Mb graphics controller	XGI Z7 16Mb graphics controller	ATI ES1000 16Mb PCI graphics controller	ATI ES1000 16Mb PCI graphics controller
Built-in EIDE USB Ports	ATA/100 Up to 4 USB 2.0 port	ATA/100 Up to 6 USB 2.0 port	ATA/100 Up to 6 USB 2.0 port	ATA/100 Up to 6 USB 2.0 port	ATA/100 Up to 6 USB 2.0 port
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse & keyboard conn.
Manageability	Watch Dog SuperDoctor® III	AOC-SIMLC Watch Dog SuperDoctor® III	AOC-SIMLC Watch Dog SuperDoctor® III	AOC-SIMLC Watch Dog SuperDoctor® III	AOC-SIMLP-B(+); AOC-SIMLP-3(+)with 3rd LAN support Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 6 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 6 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 6 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 6 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 6 fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM fan speed control & overheat LED	4-pin PWM fan speed control & overheat LED	4-pin PWM fan speed control & overheat LED	4-pin PWM fan speed control & overheat LED	4-pin PWM fan speed control & overheat LED
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode or recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM

† For the most current IPMI information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

MODEL	X7DA3+	X7DA3	X7DA8+/ X7DAE+	X7DA8/ X7DAE	X7DAL-E+/ X7DAL-E
Processor	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000	Quad-Core/Dual-Core Intel® Xeon® 5400/5300/5200/5100/5000
Chipset/System Bus	Intel® 5000X 1333/1066/667 MHz	Intel® 5000X 1333/1066/667 MHz	Intel® 5000X 1333/1066/667 MHz	Intel® 5000X 1333/1066/667 MHz	Intel® 5000X 1333/1066/667 MHz
Form Factor	Ext. ATX 12"W x 13"H	Ext. ATX 12"W x 13"H	Ext. ATX 12"W x 13"H	Ext. ATX 12"W x 13"H	ATX 12"W x 10"H
Optimized Chassis	4U/Tower: SC743TQ-865 SC743T-645	4U/Tower: SC743TQ-865 SC743T-645	X7DA8+ 4U/Tower: SC743S2-R760/650 SC743S1-R760/650/645* SC743i-R760/650/645* X7DAE+ 4U/Tower: SC743TQ-865 SC743T-645	X7DA8 4U/Tower: SC743S2-R760/650 SC743S1-R760/650/645* SC743i-R760/650/645* X7DAE 4U/Tower: SC743TQ-865 SC743T-645	4U/Tower: SC743T-645* SC743i-645* SC742T-650 Mid-tower: SC733TQ-645 SC733TQ-465 SC733T-645 SC733T-465 SC733i-645
Memory Capacity & Slots	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	32 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM	24 GB ECC Fully-Buffered DIMM (FBD) DDR2 667/533 MHz SDRAM
Expansion Slots	1 PCI-E x16 1 PCI-E x4 (in x16 slot) 2 PCI-X 133MHz 1 PCI-X 100MHz 1 PCI 33MHz 1 SIMLP slot (IPMI 2.0)	1 PCI-E x16 1 PCI-E x4 (in x16 slot) 2 PCI-X 133MHz 1 PCI-X 100MHz 1 PCI 33MHz 1 SIMLP slot (IPMI 2.0)	1 PCI-E x16 1 PCI-E x4 (in x16 slot) 2 PCI-X 133MHz 1 PCI-X 100MHz 1 PCI 33MHz 1 SIMLP slot (IPMI 2.0)	1 PCI-E x16 1 PCI-E x4 (in x16 slot) 2 PCI-X 133MHz 1 PCI-X 100MHz 1 PCI 33MHz 1 SIMLP slot (IPMI 2.0)	1 PCI-E x16 1 PCI-E x4 (in x16 slot) 2 PCI-X 133MHz 2 PCI 33MHz 1 UIO (Universal I/O) slot
Onboard RAID Controller	Adaptec 9410W controller for 8 SAS/SATA w/ host; RAID 0, 1, 10 Intel® ESB2 for 6 SATA(3 Gbps): RAID 0, 1, 5, 10	Adaptec 9410W controller for 8 SAS/SATA w/ host; RAID 0, 1, 10 Intel® ESB2 for 6 SATA(3 Gbps): RAID 0, 1, 5, 10	Adaptec 7902W dual channel Ultra320 SCSI controller w/ host; RAID 0, 1, 10 (X7DA8+ only) Intel® ESB2 for 6 SATA(3 Gbps): RAID 0, 1, 5, 10	Adaptec 7902W dual channel Ultra320 SCSI controller w/ host; RAID 0, 1, 10 (X7DA8 only) Intel® ESB2 for 6 SATA(3 Gbps): RAID 0, 1, 5, 10	Intel® ESB2 for 6 SATA(3 Gbps): RAID 0, 1, 5, 10
ZCR Card Support	AOC-LPZCR2 AOC-LPZCR3	AOC-LPZCR2 AOC-LPZCR3	X7DA8+: AOC-LPZCR1 AOC-LPZCR2 AOC-LPZCR3	X7DA8: AOC-LPZCR1 AOC-LPZCR2 AOC-LPZCR3	N/A
Onboard LAN	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller	Dual LAN w/Intel® 82563EB Gigabit Ethernet Controller
Onboard VGA	N/A	N/A	N/A	N/A	N/A
Built-in EIDE USB Ports	ATA100/ Up to 6 USB 2.0 ports	ATA100/ Up to 6 USB 2.0 ports	ATA100/ Up to 6 USB 2.0 ports	ATA100/ Up to 6 USB 2.0 ports	ATA100/ Up to 6 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 1 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn. 7.1 High Definition Audio	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound	1 floppy port 1 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn. 7.1 High Definition Audio	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn. 7.1 HD audio (X7DAL-E+ only) AC'97 audio CODEC high quality 6-channel sound (X7DAL-E only)
Manageability	AOC-SIMLP-B; AOC-SIMLP-3 with 3rd LAN support Watch Dog, SuperDoctor® III	AOC-SIMLP-B; AOC-SIMLP-3 with 3rd LAN support Watch Dog, SuperDoctor® III	AOC-SIMLP-B; AOC-SIMLP-3 with 3rd LAN support Watch Dog, SuperDoctor® III	AOC-SIMLP-B; AOC-SIMLP-3 with 3rd LAN support Watch Dog, SuperDoctor® III	Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 6 fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & 3-pin fan speed control & overheat LED	3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED	3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, STR, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, STR, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, STR, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, STR, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, STR, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM

† For the most current IPMI information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

X58 Chipset
1333MHz/DDR3

X58 Chipset
1333MHz/DDR3

X58 Chipset
1333MHz/DDR3

X58 Chipset
1333MHz/DDR3

SUPER● SERVER SOLUTION

MODEL	X8SAX	X8ST3-F / X8STE	X8STi / X8STi-F	X8STi-3F / X8STi-LN4
Processor	Intel® Core™ i7 and Intel® Xeon® Processor 5500/3500 Series (Nehalem)	Intel® Core™ i7 and Intel® Xeon® Processor 5500/3500 Series (Nehalem)	Intel® Core™ i7 and Intel® Xeon® Processor 5500/3500 Series (Nehalem)	Intel® Core™ i7 and Intel® Xeon® Processor 5500/3500 Series (Nehalem)
Chipset/System Bus	Intel® X58 Express chipset with QPI up to 6.4GT/s	Intel® X58 Express chipset with QPI up to 6.4GT/s	Intel® X58 Express chipset with QPI up to 6.4GT/s	Intel® X58 Express chipset with QPI up to 6.4GT/s
Form Factor	ATX 12"W x 10"H	ATX 12"W x 10"H	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H
Optimized Chassis	Mid-Tower: SC733T/i-645/465 SC733TQ/E-465 4U: SC743T/i-645 SC743T-465 SC743TQ-865/865-SQ	2U: SC822T-400LP SC823T-650LP SC825TQ-R700/560LP SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550 SC936A/E1/E2-R900 SC933T/E1/E2-R760 Mid-Tower: SC733T/i-645/465, SC733E-465 4U/Tower: SC742T-500 SC743T/TQ/I-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900	Mini 1U: SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C	Mini 1U: SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C
Memory Capacity & Slots	24 GB of DDR3 Unb. ECC or Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs	24 GB of DDR3 Unb. ECC or Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs	24 GB of DDR3 Unb. ECC or Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs	24 GB of DDR3 Unb. ECC or Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs
Expansion Slots	2 PCI-E 2.0 x16 1 PCI-E x4 (in x8 slot) 2 PCI-X 133/100 1 PCI-32	1 PCI-E 2.0 x8 (in x16 slot) 2 PCI-E 2.0 x8 1 PCI-E x4 (in x8 slot) 2 PCI-32	1 Universal Slot: 1 PCI-E 2.0 x16 1 PCI-E 2.0 x8 1 PCI-32	1 Universal Slot: 1 PCI-E 2.0 x16 1 PCI-E 2.0 x8 1 PCI-32
Onboard RAID Controller	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 1068E 8-port SAS controller; RAID 0,1,10 (X8ST3-F)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 1068E 8-port SAS controller; RAID 0,1,10 (X8STi-3F)
iButton Support	N/A	AOC-iButton68 (RAID 5) (X8ST3-F)	N/A	AOC-iButton68 (RAID 5) (X8STi-3F)
Onboard LAN	Dual Intel® 82574L Gigabit Ethernet	Dual Intel® 82574L Gigabit Ethernet; 1 Realtek RTL8201N for IPMI (X8ST3-F)	Dual Intel® 82574L Gigabit Ethernet; 1 Realtek RTL8201N for IPMI (X8STi-F)	Dual Intel® 82574L Gigabit Ethernet; Quad Intel® 82574L Gigabit Ethernet (X8STi-LN4); 1 Realtek RTL8201N for IPMI (X8STi-3F)
Onboard VGA	N/A	Matrox G200eW	Matrox G200eW	Matrox G200eW
Built-in SAS/SATA, USB Ports	6 SATA ports Up to 12 USB 2.0 ports	8 SAS ports (X8ST3-F) 6 SATA ports Up to 8 USB 2.0 ports	6 SATA ports Up to 8 USB 2.0 ports	8 SAS ports (X8STi-3F) 6 SATA ports Up to 8 USB 2.0 ports
Other Onboard I/O Devices	7.1 HD audio 2 IEEE 1394a headers S/PDIF output ATI® CrossFireX™ Technology 1 floppy port 2 fast UART 16550 serial (2 headers) PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial (1 header, 1 port) PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial (1 header, 1 port) PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial (1 header, 1 port) PS/2 mouse and keyboard
Manageability	Watch Dog SuperDoctor® III	IPMI 2.0 with dedicated LAN (X8ST3-F) Watch Dog SuperDoctor® III	IPMI 2.0 with dedicated LAN (X8STi-F) Watch Dog SuperDoctor® III	IPMI 2.0 with dedicated LAN (X8STi-3F) Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & -5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & -5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & -5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & -5V standby and total of 6-fan status, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control
Other Features	ACPI power management, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, WOL, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 4 Mb Flash ROM	AMI 4 Mb Flash ROM	AMI 4 Mb Flash ROM	AMI 4 Mb Flash ROM

† For the most IPMI information, visit: *http://www.supermicro.com/products/accessories/addon/SIM.cfm*

MODEL	X7SLM-L	X7SLM/ X7SLM+	X7SLA-L/ X7SLA-H	X7SBL-LN1/ X7SBL-LN2
Processor	Intel® Core™ 2 E4000 series, Pentium®, and Celeron® series	Intel® Core™ 2 E4000 series, Pentium®, and Celeron® series	Intel® Atom™ 230 processor (X7SLA-L) Intel® Atom 330 processor (X7SLA-H)	Intel® Xeon® 3000 sequence and Core™ 2 Extreme, Quad and Duo, Pentium®, and Celeron® series
Chipset/ System Bus	Intel® 945GC chipset 1066/800/533MHz FSB	Intel® 945GC chipset 1066/800/533MHz FSB	Intel® 945GC chipset 533MHz FSB	Intel® 3200 chipset 1333/1066/800MHz FSB
Form Factor	Micro ATX 9.6"W x 8.6"H	Micro ATX 9.6"W x 9.6"H	Flex ATX 9"W x 7.5"H	Micro ATX 9.6"W x 9.6"H
Optimized Chassis	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T/MTQ-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C Mini-Tower: SC731i-300	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T/MTQ-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C Mini-Tower: SC731i-300	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T/MTQ-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C Mini-Tower: SC731i-300	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C Mini-Tower: SC731i-300
Memory Capacity & Slots	2 GB of Unb. Non-ECC DDR2 667/533/400 MHz SDRAM	2 GB of Unb. Non-ECC DDR2 667/533/400 MHz SDRAM	2 GB of Unb. Non-ECC DDR2 667/533/400MHz SDRAM	8 GB of Unb. ECC or Non-ECC DDR2 667/800 MHz SDRAM
Expansion Slots	1 PCI-E x16 1 PCI-E x4 (x8 slot) 2 32-bit PCI	1 PCI-E x8 1 32-bit PCI 33MHz	1 PCI-E x8 1 PCI-E x4 (in x8 slot) & 1 32-bit PCI	1 Universal slot: 1 PCI-E x8 or 1 PCI-32 1 PCI-E x4 (using x8 slot) & 1 32 bit PCI X7SBL-LN2: 1 SIMLP slot (IPMI 2.0) †; X7SBL-LN1: No IPMI
Onboard RAID Controller	Intel® ICH7R SATA for 4 SATA (3 Gbps): RAID 0, 1, 5, 10	Intel® ICH7 SATA for 4 SATA (3 Gbps)	Intel® ICH7R for 4 SATA Ports w/ RAID 0, 1, 5, 10 support	Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10
Onboard LAN	Dual Realtek RTL8111C Gigabit Ethernet	Dual Realtek RTL8111C Gigabit Ethernet	Dual Realtek RTL8111C-GR Gigabit Ethernet (1x LAN on X7SLA-L)	Single LAN w/ Intel® 82573L (X7SBL-LN1 only) Dual LAN w/ Intel® 82573V + 82573L (X7SBL-LN2 only)
Onboard VGA	Intel® GMA 950	Intel® GMA 950	Intel® GMA 950	XGI Z9s 32MB DDR2
Built-in EIDE USB Ports	ATA/100 Up to 8 USB 2.0 ports	ATA/100 Up to 5 USB 2.0 ports	ATA/100 Up to 8 USB 2.0 ports	Up to 7 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard	1 serial port & 1 header (X7SLA-H only) 2 PS/2 ports	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard
Manageability	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	AOC-SIMLC-HTC (X7SBL-LN2) Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, 1.8V, +3.3V, +5V, +/-12V, VBAT & +5V standby and total of five 4-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, 1.8V, +3.3V, +5V, +/-12V, VBAT & +5V standby and total of five 4-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +/-12V, VBAT & +5V standby and total of four 4-pin fan headers with tachometer monitoring on 4 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of six 4-pin fan headers with tachometer monitoring on 6 fans, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM speed control & overheat LED indication	4-pin PWM speed control & overheat LED indication	4-pin PWM speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication
Other Features	ACPI/APM power management, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection.	ACPI/APM power management, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection. TPM 1.2 (X7SLM+ only)	ACPI/APM power management, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2 & CPU thermal trip support for processor protection
BIOS	Award 8 Mb Flash ROM	Award 8 Mb Flash ROM	AMI 8 Mb Flash ROM	Phoenix 8 Mb SPI Flash ROM

† For the most current product information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

MODEL	X7SBi	X7SBi-LN4/ X7SBi-LN4-TM	X7SBA	X7SBE
Processor	Intel® Xeon® 3000 sequence and Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Xeon® 3000 sequence and Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Xeon® 3000 sequence and Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Xeon® 3000 sequence and Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series
Chipset/ System Bus	Intel® 3210 chipset 1333/1066/800 MHz FSB	Intel® 3200 chipset 1333/1066/800 MHz FSB	Intel® 3210 chipset 1333/1066/800 MHz FSB	Intel® 3210 chipset 1333/1066/800 MHz FSB
Form Factor	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H
Optimized Chassis	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C	2U: SC822T-400LP, SC823T-650LP SC825TQ-R700/560LP SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550 SC936A/E1/E2-R900 SC933T/E1/E2-R760 Mid-Tower: SC733T/i-645/465, SC733E-465 4U/Tower: SC742T-500, SC743T/TQ/I-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900	2U: SC822T-400LP, SC823T-650LP SC825TQ-R700/560LP SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550 SC936A/E1/E2-R900 SC933T/E1/E2-R760 Mid-Tower: SC733T/i-645/465, SC733E-465 4U/Tower: SC742T-500, SC743T/TQ/I-R760/650 SC745TQ-R800/800 SC846TQ/E1/E2-R900
Memory Capacity & Slots	8 GB of Unb. ECC or Non-ECC DDR2 667/800 MHz SDRAM	8 GB of Unb. ECC or Non-ECC DDR2 667/800 MHz SDRAM	8 GB of Unb. ECC or Non-ECC DDR2 667/800 MHz SDRAM	8 GB of Unb. ECC or Non-ECC DDR2 667/800 MHz SDRAM
Expansion Slots	1 Universal slot: 1 PCI-E x8 1 PCI-X 1 32-bit PCI 1 SIMSO socket (IPMI 2.0)†	1 Universal slot: 1 PCI-X 1 32-bit PCI 1 SIMSO socket (IPMI 2.0)†	1 PCI-E x8 (using x16 slot), 2 PCI-X 133 & 4x 32-bit PCI 1 SIMSO socket (IPMI 2.0) †	1 PCI-E x8, 4 PCI-X 133/100 & 1 PCI-E x4 1 SIMLC slot (IPMI 2.0) †
Onboard RAID Controller	Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10	Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10	Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10	Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10
Onboard LAN	Dual Intel® 82573 V/L Gigabit Ethernet	Four LAN w/ Intel® 82573 V/L Gigabit Ethernet	Dual LAN w/ Intel® 82573V/L Gigabit Ethernet	Dual LAN w/ Intel® 82573V/L Gigabit Ethernet
Onboard VGA	ATI ES1000 32MB	ATI ES1000 32MB	XGI Z9s 32MB	ATI ES1000 32MB
Built-in EIDE USB Ports	ATA/100 Up to 8 USB 2.0 ports	ATA/100 Up to 8 USB 2.0 ports	Up to 7 USB 2.0 ports	Up to 7 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard
Manageability	AOC-SIMSO-HTC, AOC-SIMSO+ w/ dedicated LAN Watch Dog SuperDoctor® III	AOC-SIMSO-HTC, AOC-SIMSO+ w/ dedicated LAN Watch Dog SuperDoctor® III	AOC-SIMSO-HTC, AOC-SIMSO+ w/ dedicated LAN Watch Dog SuperDoctor® III	AOC-SIMLC-HTC; AOC-SIM1U+ w/ dedicated LAN Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of six 4-pin fan headers with tachometer monitoring on 6 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of six 4-pin fan headers with tachometer monitoring on 6 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of six 4-pin fan headers with tachometer monitoring on 6 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of six 4-pin fan headers with tachometer monitoring on 6 fans, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication
Other Features	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2, & CPU thermal trip support for processor protection.	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2, & CPU thermal trip support for processor protection. TPM 1.2 (X7SBi-LN4-TM only)	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 16 Mb SPI Flash ROM	Phoenix 16 Mb SPI Flash ROM	Phoenix 16 Mb SPI Flash ROM	Phoenix 16 Mb SPI Flash ROM

† For the most current product information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

SUPER⊙ SERVER SOLUTION

MODEL	X7SB4	X7SB3/ X7SB3-F	X7SBU	X7SBT/ X7SBT-10G
Processor	Intel® Xeon® 3000 sequence and Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Xeon® 3000 sequence and Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Xeon® 3000 sequence and Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Xeon® 3000 sequence and Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series
Chipset/ System Bus	Intel® 3210 chipset 1333/1066/800 MHz FSB	Intel® 3210 chipset 1333/1066/800 MHz FSB	Intel® X48 chipset 1600/1333/1066/800 MHz FSB	Intel® X48 chipset 1600/1333/1066/800 MHz FSB
Form Factor	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	Proprietary 8"W x 13"H	Proprietary 6.5"W x 16"H
Optimized Chassis	2U: SC822T-400LP, SC823T-650LP SC825MTQ-R700/560LP SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550 SC936A/E1/E2-R900 SC933T/E1/E2-R760 Mid-Tower: SC733T/i-645/465, SC733E-465 4U/Tower: SC742T-500, SC743T/TQ/I-R760/650 SC745TQ-R800/800 SC846TQ/E1/E2-R900	1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C	1U: SC111T-360U SC113TQ-560U/700U/R650U SC812L-280U SC815-560U, SC815TQ-R650U SC515-280U 2U: SC213A/E1-R900U SC216A/E1/E2-R900U SC823MTQ-R700U SC825MTQ-R700U SC825TQ-R700U/560U SC826TQ/E1/E2-R800U	1U: SC808T-780 SC809T-780
Memory Capacity & Slots	8 GB of Unb. ECC or Non-ECC DDR2 667/800 MHz SDRAM	8 GB of Unb. ECC or Non-ECC DDR2 667/800 MHz SDRAM	8 GB of Unb. Non-ECC DDR3 800/1066/1333MHz SDRAM Up to 4GB Non-ECC 1600 MHz SDRAM	8 GB of Unb. ECC or Non-ECC DDR3 1333/1066/800 MHz SDRAM; up to 4GB Non-ECC 1600 MHz SDRAM
Expansion Slots	1 PCI-E x8, 4 PCI-X 133/100 & 1 PCI-E x4 1 SIMLC slot (IPMI 2.0) †	1 PCI-E x8 1 32-bit PCI	1 Universal slot 2 PCI-E 2.0 x8 (using x16 slot) 1 PCI-E x4 (using x8 slot) 1 SIMSO socket (IPMI 2.0)†	1 PCI-E 2.0 x16 1 SIMSO 2.0 slot (IPMI 2.0) †
Onboard RAID Controller	Adaptec SCSI controller; RAID 0, 1, 10 Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10	Intel® ICH9 for 2 SATA LSI 1068E controller for 8 SAS ports; RAID 0, 1, 10	Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10	Intel® ICH9R for 4 SATA; RAID 0, 1, 5, 10
ZCR Card Support	AOC-LPZCR1, AOC-LPZCR2, AOC-LPZCR3	AOC-iButton68 (RAID 5)	N/A	N/A
Onboard LAN	Dual Intel® 82573V/L Gigabit Ethernet	Dual Intel® 82574L Gigabit Ethernet	Dual Intel® 82573 V/L Gigabit Ethernet	Dual Intel® 82573V/L Gigabit Ethernet
Onboard VGA	ATI ES1000 32MB	Matrox G200eW	ATI ES1000 32MB	ATI ES1000 32MB
Built-in EIDE USB Ports	Up to 7 USB 2.0 port	Up to 8 USB 2.0 ports	ATA/100 Up to 8 USB 2.0 ports	Up to 8 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard	1 serial port and 1 header Intel® 82598EB 10 Gigabit Ethernet controller w/ CX4 interface (X7SBT-10G only)
Manageability	AOC-SIMLC-HTC; AOC-SIM1U+ w/ dedicated LAN Watch Dog SuperDoctor® III	IPMI 2.0 with dedicated LAN (X7SB3-F only) Watch Dog SuperDoctor® III	AOC-SIMSO-HTC, AOC-SIMSO+ w/ dedicated LAN Watch Dog SuperDoctor® III	AOC-SIMSO(+) - CBL-0177L is required to support dedicated LAN Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of six 4-pin fan headers with tachometer monitoring on 6 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of five 4-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of six 4-pin fan headers with tachometer monitoring on 6 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 3-fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication
Other Features	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2 & CPU thermal trip support for processor protection ST	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 16 Mb SPI Flash ROM	Phoenix 16 Mb Flash ROM	16 Mb SPI Flash ROM	16 Mb SPI Flash ROM

† For the most current IPMI information, visit: *http://www.supermicro.com/products/accessories/addon/SIM.cfm*

	X58 Chipset **1600MHz/DDR3** **SLI™ Support**	**Core 2**	**Core 2**	**New!** **HDMI / DDR3**
MODEL	C7X58	C2SEA	C2SEE	C2G41
Processor	Intel® Core™ i7 and Intel® Xeon® Processor 5500/3500 Series (Nehalem)	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Core™ 2 Quad, Duo and Pentium®, Celeron® processors
Chipset/ System Bus	Intel® X58 Express chipset with QPI up to 6.4GT/s	Intel® G45 chipset 1333/1066/800 MHz	Intel® G43 chipset 1333/1066/800 MHz	Intel® G41 chipset 1333/1066/800 MHz
Form Factor	ATX 12"W x 10"H	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	Micro ATX 9.6" x 8.6"
Optimized Chassis	Mid-Tower: SC733T/i-645/465 SC733TQ/E-465 4U: SC743T/i-645 SC743T-465 SC743TQ-865/865-SQ	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Mid-Tower: SC731i-300 Tower/4U: SC742T-500
Memory Capacity & Slots	24 GB of DDR3 Unb. ECC or Non-ECC 1600/1333/1066/800 MHz SDRAM	8 GB of Unb. Non-ECC DDR3 1333/1066/800 MHz SDRAM	4 GB of Unb. Non-ECC DDR3 1333/1066/800 MHz SDRAM	4 GB of Unb. Non-ECC DDR3 1333/1066/800 MHz SDRAM
Expansion Slots	2 PCI-E 2.0 x16 1 PCI-E x4 (in x8 slot) 1 32-bit PCI	1 PCI-E 2.0 x16 1 PCI-E x4 (using x16 slot) 1 PCI-E x1 2 32-bit PCI	1 PCI-E 2.0 x16 1 PCI-E x4 (using x16 slot) 1 PCI-E x1 4 32-bit PCI	1 PCI-E x16 1 PCI-E x1 2 32-bit PCI
Onboard RAID Controller	Intel® ICH10R for 6 SATA RAID 0,1,5,10 (Windows) RAID 0, 1, 10 (Linux)	Intel® ICH10 for 6 SATA	Intel® ICH10 for 6 SATA	Intel ICH7 for 4 SATA (3 Gbps)
Onboard LAN	Dual Intel® 82574L Gigabit Ethernet	Realtek RTL8111C Gigabit Ethernet	Realtek RTL8111C Gigabit Ethernet	Realtek RTL8111C Gigabit Ethernet
Onboard VGA	N/A	Intel® GMA X4500 HD 1x VGA port + HDMI output	Intel® GMA X4500	Intel® GMA X4500 1x VGA port + HDMI output
Built-in EIDE USB Ports	Up to 12 USB 2.0 ports	ATA/100 Up to 12 USB 2.0 port	Up to 12 USB 2.0 port	ATA/100 Up to 8 USB 2.0 port
Other Onboard I/O Devices	7.1 HD audio 2 IEEE 1394a headers S/PDIF output Support nVidia® SLI™ and ATI® CrossFireX™ technology 1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard	7.1 HD audio S/PDIF output 2 serial ports PS/2 mouse & keyboard 2 IEEE 1394a headers 1 parallel header	7.1 HD audio S/PDIF output 2 serial ports PS/2 mouse & keyboard 1 parallel header	7.1 HD audio S/PDIF output 2 serial ports PS/2 mouse & keyboard
Manageability	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & -5V standby and total of 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, -12V, VBAT, VFSB & +5V standby and total of five 3-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, -12V, VBAT, VFSB & +5V standby and total of five 3-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of three 4-pin fan headers with tachometer monitoring on 3 fans, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, thermal control tachometer fan connectors, 4-pin PWM or 3-pin fan speed control	Overheat LED indication, thermal control tachometer fan connectors, 4-pin PWM or 3-pin fan speed control	4-pin PWM & 3-pin fan speed control & overheat LED indication
Other Features	ACPI power management, control of power-on for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, & CPU thermal trip support for processor protection, TM2 & STR	ACPI power management, internal/external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, & CPU thermal trip support for processor protection, TM2 & STR	ACPI power management, internal/external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 4 Mb Flash ROM	AMI 8 Mb SPI Flash ROM	AMI 8 Mb SPI Flash ROM	AMI 16 Mb SPI Flash ROM

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MODEL	C2SEM-Q	C2SBC-Q	C2SBM-Q	C2SBX
Processor	Intel® Core™ 2 Quad, Duo and Pentium®, Celeron® processors	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series
Chipset/ System Bus	Intel Q45 chipset 1333/1066/800 MHz	Intel® Q35 chipset 1333/1066/800 MHz	Intel® Q35 chipset 1333/1066/800 MHz	Intel® X38 chipset 1333/1066/800 MHz FSB
Form Factor	Micro ATX 9.6"W x 9.6"H	ATX 12"W x 9.6"H	Micro ATX 9.6"W x 9.6"H	ATX 12"W x 9.6"H
Optimized Chassis	Mid-Tower: SC731i-300B SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500
Memory Capacity & Slots	16 GB of Unb. Non-ECC DDR2 667/800 MHz SDRAM	8 GB of Unb. Non-ECC DDR2 800/667 MHz SDRAM	8 GB of Unb. Non-ECC DDR2 800/667 MHz SDRAM	8 GB of Unb. ECC or Non-ECC DDR3 1333/1066/800 MHz SDRAM
Expansion Slots	1 PCI-E 2.0 x16 1 PCI-E x4 2 32-bit PCI	1 PCI-E x16 1 PCI-E x4 (using x8 slot) 5x 32-bit PCI	1 PCI-E x16 1 PCI-E x4 (using x8 slot) 2 32-bit PCI	2 PCI-E x16 2.0 1 PCI-E x1 2 PCI-X 133/100 MHz 2 32-bit PCI
Onboard RAID Controller	Intel® ICH10DO for 6 SATA (3 Gbps) RAID 0, 1, 5, 10	Intel® ICH9DO for 6 SATA; RAID 0, 1, 5, 10	Intel® ICH9DO for 4 SATA; RAID 0, 1, 5, 10	Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10
Onboard LAN	Intel 82567LM Gigabit Ethernet	Intel® 82566DM + 82573L Gigabit Ethernet	Intel® 82566DM Gigabit Ethernet	Intel® 82566 Gigabit Ethernet
Onboard VGA	Intel® GMA X4500 1x VGA port + HDMI output	Intel® GMA 3100	Intel® GMA 3100	N/A
Built-in EIDE USB Ports	Up to 12 USB 2.0 port	ATA/100 Up to 12 USB 2.0 port	ATA/100 Up to 11 USB 2.0 port	ATA/100 Up to 12 USB 2.0 port
Other Onboard I/O Devices	7.1 HD audio S/PDIF output 4 serial ports PS/2 mouse & keyboard	5.1 HD audio 4 serial ports PS/2 mouse & keyboard 1 parallel header	7.1 HD audio 4 serial ports PS/2 mouse & keyboard	7.1 HD audio 1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard 1 parallel port 2 IEEE 1394a headers
Manageability	vPro support Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of three 4-pin fan headers with tachometer monitoring on 3 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of three 4-pin fan headers with tachometer monitoring on 3 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of three 4-pin fan headers with tachometer monitoring on 3 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, -12V, VBAT, VFSB & +5V standby and total of five 4-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	Overheat LED indication, thermal control tachometer fan connectors, 4-pin PWM or 3-pin fan speed control
Other Features	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2, TPM 1.2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, STR, TM2, TPM 1.2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, & CPU thermal trip support for processor protection, TM2 & STR
BIOS	AMI 16 Mb Flash ROM	Phoenix 8 Mb SPI Flash ROM	Phoenix 8 Mb SPI Flash ROM	Phoenix 16 Mb SPI Flash ROM

Core 2   Core 2   Core 2   Core 2

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MODEL	C2SBX+	C2SBA+II	C2SBA/ C2SBA+	C2SBE
Processor	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series
Chipset/ System Bus	Intel® X48 chipset 1600/1333/1066/800 MHz	Intel® G33 1333/1066/800 MHz FSB	Intel® G33 1333/1066/800MHz	Intel® P35 1333/1066/800MHz
Form Factor	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H
Optimized Chassis	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500
Memory Capacity & Slots	8 GB Non-ECC DDR3 1333/1066/800 MHz SDRAM; Up to 4GB Non-ECC 1600MHz	8 GB of Unb. Non-ECC DDR2 800/667 MHz SDRAM	8 GB Unb, Non-ECC DDR2 800/667 MHz SDRAM	8 GB Unb, Non-ECC DDR2 800/667 MHz SDRAM
Expansion Slots	2 PCI-E x16 2.0, 1 PCI-E x1, 2 PCI-X 133/100 MHz, 2 32-bit PCI	1 PCI-E x16 1 PCI-E x4 (using x8) 1 PCI-E x1 3 32-bit PCI	1 PCI-E x16 1 PCI-E x4 (using x8) 1 PCI-E x1 3 32-bit PCI	1 PCI-E x16 1 PCI-E x4 (using x8) 1 PCI-E x1 4 32-bit PCI
Onboard RAID Controller	Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10	Intel® ICH9R for 6 SATA; RAID 0, 1, 5, 10	Intel® ICH9 for 4 SATA	Intel® ICH9 for 4 SATA
Onboard LAN	Intel® 82566 Gigabit Ethernet	Intel® 82566 Gigabit Ethernet	Intel® 82566 Gigabit Ethernet	Intel® 82566 Gigabit Ethernet
Onboard VGA	N/A	Intel® GMA3100	Intel® GMA3100	N/A
Built-in EIDE USB Ports	ATA/100 Up to 12 USB 2.0 port	Dual ATA/100 Up to 12 USB 2.0 port	Dual ATA/100 (C2SBA+ only) Up to 12 USB 2.0 port	Up to 12 USB 2.0 port
Other Onboard I/O Devices	7.1 HD audio 1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard 1 parallel port 2 IEEE 1394a headers	7.1 HD audio 1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard 1 parallel port	7.1 HD audio 1 floppy port 2 fast UART 16550 serial 1 parallel port PS/2 mouse and keyboard	7.1 HD audio 1 floppy port 2 fast UART 16550 serial 1 parallel port PS/2 mouse and keyboard
Manageability	Watch Dog SuperDoctor® III	Watch Dog, SuperDoctor® III	Watch Dog, SuperDoctor® III	Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, -12V, VBAT, VFSB & +5V standby and total of five 4-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, -12V, VBAT, VFSB & +5V standby and total of five 4-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, -12V, VBAT, VFSB & +5V standby and total of five 4-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, -12V, VBAT, VFSB & +5V standby and total of five 4-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, thermal control tachometer fan connectors, 4-pin PWM or 3-pin fan speed control	Overheat LED indication, thermal control tachometer fan connectors, 4-pin PWM or 3-pin fan speed control	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication
Other Features	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, & CPU thermal trip support for processor protection, TM2 & STR	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, & CPU thermal trip support for processor protection, TM2, TPM & STR	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2, TPM & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 16 Mb SPI Flash ROM	Phoenix 16 Mb SPI Flash ROM	Phoenix 16 Mb SPI Flash ROM	Phoenix 16 Mb SPI Flash ROM

† For the most current IPMI information, visit: *http://www.supermicro.com/products/accessories/addon/SIM.cfm*

MODEL	PDSLM	PDSBA-Q+	PDSBM-LN2/ PDSBM-LN2+	PDSBM-LN1
Processor	Intel® Core™ 2 Duo Mobile, LV or ULV, Core Solo ULV, Celeron® M, ULV	Intel® Core™ 2 Quad Q6000 and Duo E6000/E4000 sequence, Pentium® D, Pentium® 4 and Celeron® D series	Intel® Xeon® 3000 and Core™ 2 Duo series up to 95 W only, Pentium® D, Pentium® 4, Celeron® D	Intel® Xeon® 3000 and Core™ 2 Duo series up to 95 W only, Pentium® D, Pentium® 4, Celeron® D
Chipset/ System Bus	Intel® 945GME 667/533 MHz	Intel® Q965 1066/800/533MHz	Intel® 946GZ 1066/800/533MHz	Intel® 946GZ 1066/800/533MHz
Form Factor	Mini ITX 6.75"W x 6.75"H	ATX 11.5"W x 9.5"H	Micro ATX 9.6"W x 9.6"H	Micro ATX 9.6"W x 9.6"H
Optimized Chassis	OEM	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C Tower: SC731i-300	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C Tower: SC731i-300
Memory Capacity & Slots	4 GB DDR2 667/533/400 MHz Unb, Non-ECC SO-DIMM	8 GB Single/Dual Channel Unb, Non-ECC DDR2 800/667/533 MHz SDRAM	4 GB Unb. Non-ECC DDR2 667/533 MHz SDRAM	4 GB Unb. Non-ECC DDR2 667/533 MHz SDRAM
Expansion Slots	1 32-bit PCI	1 (x16) 1 (x4) using (x8) slot 1 (x1) PCI-E 3x 32-bit 33MHz PCI	1 Universal slot: 1 PCI-E x4 or 1 PCI 33MHz 1 32-bit PCI 33MHz	1 Universal slot: 1 PCI-E x4 or 1 PCI 33MHz 1 32-bit PCI 33MHz
Onboard RAID Controller	Intel® ICH7M for 2 SATA (3 Gbps)	Intel® ICH8 for 4 SATA (3 Gbps)	Intel® ICH7R for 4 SATA(3 Gbps) RAID 0, 1, 5, 10	Intel® ICH7R for 4 SATA (3 Gbps) RAID 0, 1, 5, 10
Onboard LAN	Single LAN with Intel® 82573L Gigabit Ethernet	Intel® 82573L Gigabit Ethernet	Dual LAN w/ Intel® 82573 Gigabit Ethernet	Intel® 82573 Gigabit Ethernet
Onboard VGA	Intel® GMA 9500	Intel® GMA 3000	Integrated graphics	Integrated graphics
Built-in EIDE USB Ports	ATA100/ Up to 4 USB 2.0	ATA100/ Up to 6 USB 2.0	ATA100/ USB 2.0 w/ up to 4 USB ports	ATA100/ USB 2.0 w/ up to 4 USB ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard 1 parallel port AC 97 audio	1 floppy port 1 fast UART 16550 serial PS/2 mouse and keyboard 1 parallel port	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard
Manageability	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of two 4-pin fan headers with 5-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of five 4-pin fan headers with 5-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of five 4-pin fan headers with 5-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V +3.3V, +5V, +12V, -12V, VBAT +5V standby and total of five 4-pin fan headers with 5-fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication
Other Features	ACPI power management, control of power-on mode for recovery from AC power loss, TM2, & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2, TPM, & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2, TPM (for PDSBM-LN2+ only), & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 4 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM

† For the most current IPMI information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

SUPERMICRO® *Server Building Block Solutions® - June, 2009*

MODEL	PDSMA+	PDSM4+	PDSME+	PDSMU
Processor	Intel® Xeon® 3200/3000 and Core™ 2 Quad Q6000 and Duo E6000/E4000 sequence, Pentium® D, Pentium® 4, and Celeron® D	Intel® Xeon® 3200/3000 and Core™ 2 Quad Q6000 and Duo E6000/E4000 sequence, Pentium® D, Pentium® 4, and Celeron® D	Intel® Xeon® 3200/3000 and Core™ 2 Quad Q6000 and Duo E6000/E4000 sequence, Pentium® D, Pentium® 4, and Celeron® D	Intel® Xeon® 3200/3000 and Core™ 2 Quad Q6000 and Duo E6000/E4000 sequence, Pentium® D, Pentium® 4, and Celeron® D
Chipset/ System Bus	Intel® 3000 1066/800/533MHz	Intel® 3010 1066/800/533MHz	Intel® 3010 1066/800/533MHz	Intel® 3010 1066/800/533MHz
Form Factor	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	ATX 8"W x 13"H
Optimized Chassis	2U: SC822T-400LP SC823T-650LP SC825TQ-R700/560LP SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550 SC936A/E1/E2-R900 SC933T/E1/E2-R760 Mid-Tower: SC733T/i-645/465, SC733E-465 4U/Tower: SC742T-500 SC743T/TQ/I-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900	2U: SC823S-550LP	2U: SC822T-400LP SC823T-650LP SC825TQ-R700/560LP SC825MTQ-R700LP SC823MTQ-R700LP SC826TQ/E1/E2-R800LP SC213A/E1-R900LP SC216A/E1/E2-R900LP 3U: SC835TQ-R800 SC836TQ/E1/E2-R800 SC833T-R760/550 SC936A/E1/E2-R900 SC933T/E1/E2-R760 Mid-Tower: SC733T/i-645/465, SC733E-465 4U/Tower: SC742T-500 SC743T/TQ/I-R760/650 SC745TQ-R800/800, SC846TQ/E1/E2-R900	1U: SC111T-360U SC113TQ-560U/700U/R650U SC812L-280U SC815-560U, SC815TQ-R650U SC515-280U 2U: SC213A/E1-R900U SC216A/E1/E2-R900U SC823MTQ-R700U SC825MTQ-R700U SC825TQ-R700U/560U SC826TQ/E1/E2-R800U
Memory Capacity & Slots	8 GB Unb. ECC, Non-ECC DDR2 667/533/400 MHz SDRAM	8 GB Unb. ECC, Non-ECC DDR2 667/533/400 MHz SDRAM	8 GB Unb. ECC, Non-ECC DDR2 667/533/400 MHz SDRAM	8 GB ECC, Non-ECC Unb. DDR2 667/533 MHz SDRAM
Expansion Slots	1 64-bit PCI-X 133MHz 1 PCI-E x8 5 32-bit PCI 33MHz 1 IPMI 2.0 socket	1 PCI-E x8 1 PCI-E x4 2 64-bit PCI-X 133MHz 2 64-bit PCI-X 100MHz 1 IPMI 2.0 socket	1 PCI-E x8 1 PCI-E x4 2 64-bit PCI-X 133MHz 2 64-bit PCI-X 100MHz 1 IPMI 2.0 socket	Right slot: 1 PCI-E x4 Left slot: 1 Universal I/O (UIO) slot & 1 PCI-E x8 via riser card SIMSO+ socket (IPMI 2.0)
Onboard RAID Controller	Intel® ICH7R for 4 SATA (3 Gbps): RAID 0, 1, 5, 10	Adaptec Ultra320 SCSI w/ host RAID; RAID 0, 1 Intel® ICH7R for 4 SATA (3 Gbps): RAID 0, 1, 5, 10	Intel® ICH7R for 4 SATA (3 Gbps): RAID 0, 1, 5, 10	Intel® ICH7R for 4 SATA (3 Gbps): RAID 0, 1, 5, 10
ZCR Card Support	N/A	AOC-LPZCR1; AOC-LPZCR2 AOC-LPZCR3	N/A	N/A
Onboard LAN	Intel® 82573V Gigabit Ethernet Intel® 82573L Gigabit Ethernet	Intel® 82573V Gigabit Ethernet Intel® 82573L Gigabit Ethernet	Intel® 82573V Gigabit Ethernet Intel® 82573L Gigabit Ethernet	Intel® 82573V Gigabit Ethernet Intel® 82573L Gigabit Ethernet
Onboard VGA	XGI Z7 16MB	ATI ES1000 16MB	ATI ES1000 16MB	ATI ES1000 16MB
Built-in EIDE USB Ports	ATA100/USB 2.0 w/ up to 6 USB ports	ATA100/USB 2.0 w/ up to 4 USB ports	ATA100/USB 2.0 w/ up to 4 USB ports	ATA100/USB 2.0 w/ up to 6 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial 1 parallel header PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard
Manageability	AOC-SIMSO+ w/ dedicated LAN Watch Dog SuperDoctor® III	AOC-SIM1U+ w/ dedicated LAN Watch Dog SuperDoctor® III	AOC-SIM1U+ w/ dedicated LAN Watch Dog SuperDoctor® III	AOC-SIMSO+ w/ dedicated LAN Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, VBAT, +3.3V, +5V standby and total of six 4-pin fan headers with 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V +1.8V +3.3V, +5V, +12V, -12V, VBAT, +5V standby and total of six 4-pin fan headers with 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V +1.8V +3.3V, +5V, +12V, -12V, VBAT, +5V standby and total of six 4-pin fan headers with 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, -12V, VBAT, VFSB & +5V standby and 6 fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication
Other Features	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM

† For the most current IPMI information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

MODEL	PDSMi-LN4+	PDSMi+	PDSML-LN1+	PDSML-LN2+
Processor	Intel® Xeon® 3200/3000 and Core™ 2 Quad Q6000 and Duo E6000/E4000 sequence, Pentium® D, Pentium® 4, and Celeron® D	Intel® Xeon® 3200/3000 and Core™ 2 Quad Q6000 and Duo E6000/E4000 sequence, Pentium® D, Pentium® 4, and Celeron® D	Intel® Xeon® 3200/3000 and Core™ 2 Quad Q6000 and Duo E6000/E4000 sequence, Pentium® D, Pentium® 4, and Celeron® D	Intel® Xeon® 3200/3000 and Core™ 2 Quad Q6000 and Duo E6000/E4000 sequence, Pentium® D, Pentium® 4, and Celeron® D
Chipset/ System Bus	Intel® 3000 1066/800/533 MHz	Intel® 3000 1066/800/533 MHz	Intel® 3000 1066/800/533MHz	Intel® 3000 1066/800/533MHz
Form Factor	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	Micro ATX 9.6"W x 9.6"H	Micro ATX 9.6"W x 9.6"H
Optimized Chassis	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C Tower: SC731i-300	Mini 1U: SC502-200 (up to 35W CPU) SC503-200 (up to 35W CPU) SC510T-200 (up to 65W CPU) SC510-200 (up to 65W CPU) SC512C-260, SC512F-260 SC512L-260 /260-LCD SC513L-260, SC513F-260 1U: SC111T-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C Tower: SC731i-300
Memory Capacity & Slots	8 GB Unb. ECC, Non-ECC DDR2 667/533/400 MHz SDRAM	8 GB Unb. ECC, Non-ECC DDR2 667/533/400 MHz SDRAM	8 GB Unb. ECC, Non-ECC DDR2 667/533/400 MHz SDRAM	8 GB Unb. ECC, Non-ECC DDR2 667/533/400 MHz SDRAM
Expansion Slots	1 64-bit PCI-X 133MHz 1 32-bit PCI 33MHz 1 IPMI 2.0 socket	1 Universal PCI-X 133MHz or PCI-E x8 w/riser 1 32-bit PCI 33MHz 1 IPMI 2.0 socket	1 Universal: 1 PCI-E x8 or 1 PCI 33MHz 1 PCI-E x4 (using x8 slot) 1 32-bit PCI 33MHz	1 Universal: 1 PCI-E x8 or 1 PCI 33MHz 1 PCI-E x4 (using x8 slot) 1 32-bit PCI 33MHz 1 IPMI 2.0 socket
Onboard RAID Controller	Intel® ICH7R for 4 SATA (3 Gbps): RAID 0, 1, 5, 10	Intel® ICH7R for 4 SATA (3 Gbps): RAID 0, 1, 5, 10	Intel® ICH7R for 4 SATA (3 Gbps): RAID 0, 1, 5, 10	Intel® ICH7R for 4 SATA (3 Gbps): RAID 0, 1, 5, 10
Onboard LAN	Four Intel® 82573 Gigabit Ethernet	Dual Intel® 82573V & 82573L Gigabit Ethernet	Intel® 82573V Gigabit Ethernet	Dual Intel® 82573V & 82573L Gigabit Ethernet
Onboard VGA	XGI Z7 16MB	ATI ES1000 16MB	XGI Z7 16MB	XGI Z7 16MB
Built-in EIDE USB Ports	ATA100/ USB 2.0 w/up to 6 USB ports	ATA100/ USB 2.0 w/up to 6 USB ports	ATA100/USB 2.0 w/ up to 6 USB ports	ATA100/USB 2.0 w/ up to 6 USB ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial 1 parallel header PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial 1 parallel header PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard
Manageability	AOC-IPMI20-E Watch Dog SuperDoctor® III	AOC-IPMI20-E Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	AOC-1UIPMI-B Watch Dog SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, VBAT, +3.3V & +5V standby and total of six 4-pin fan headers with 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V +1.8V +3.3V, +5V, +12V, -12V, VBAT, VFSB, +5V standby and total of six 4-pin fan headers with 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, VBAT, +3.3V & +5V standby and total of six 4-pin fan headers with 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, VBAT, +3.3V & +5V standby and total of six 4-pin fan headers with 6-fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication
Other Features	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/ external modem ring-on, WOR, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM

† For the most current IPMI information, visit: http://www.supermicro.com/products/accessories/addon/SIM.cfm

SC111T *1U Cost-Effective Server Chassis with Silver Level Power Supply*

2.5" HDD

SC111T-560U/C

SC111T-560CB

UIO Rear View

C Rear View

SC111T-560CB

21.95"D

16.8"W
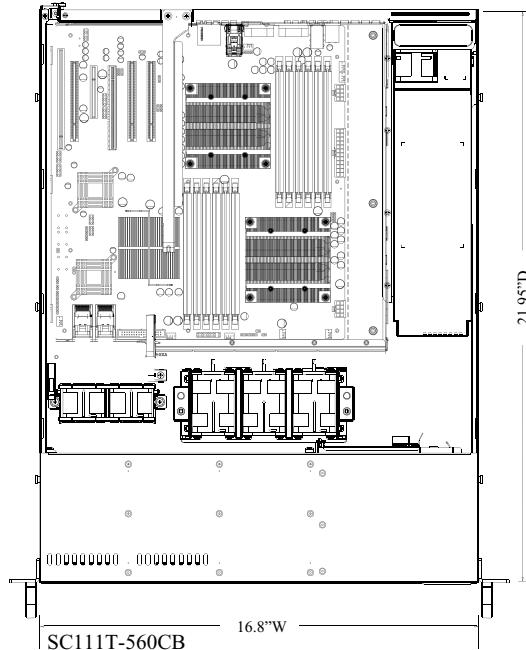
■ Black

Features

- ✓ 560W 80 Plus® Silver-Level certified, high-efficiency, multiple outputs power supply
- ✓ 4 hot-swap HDD in 1U, cost-effective, 21.95" depth chassis
- ✓ UIO solutions supported (2 x FH, 1 x LP), quick release slide rails option
- ✓ Flexible chassis to fit both ATX & E-ATX motherboards

Specifications

Form Factor	1U rackmount chassis, support for max. MB size-12" x 13"
CPU support	Dual and Single Intel® and AMD processors
Expansion	SC111T-560UB: 2 x FH, 1 x LP expansion slot SC111T-560CB: 1 x FF, expansion slot
Drive Bays	1x slim DVD-ROM (Optional); 2x front side USB (Optional);
Power Supply	SC111T-560U/C: 560W 80 Plus® Silver-Level high-efficiency power supply
Cooling System	3x 40x56mm counter-rotating fans for SC111T-560UB/CB 2x 40x28mm fans for add-on card area (optional)
Front Panel LEDs	Power LED, HDD activity LED, 2 network activity LEDs and Universal Information (UIO) LED
Front Panel Buttons	Power On/Off button, system reset button, UID button
Dimensions	16.8" W x 1.7" H x 21.95" D (426mmW x 43mmH x 558mmD)
Rail	Extendable lengths 13.1" to 33.1"
Temperature	Operating: 10 ~ 35˚C (50 to 95˚F) Non operating: -40 ~ 70˚C (-40 to 158˚F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration

Model	MB (Max. 12" x 13")				PCI I/O	Drive	Cooling Fan	Power	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD	H8							
SC111T-560UB	●	●	●	●	2 x FH, 1 x LP	4 x SAS/SATA 2.5"	3x 12500rpm fan	560W 80 Plus® Silver-Level	2	46.5	30 lbs
SC111T-560CB	●	●	●	●	1 x FF	4 x SAS/SATA 2.5"	3x 12500rpm fan	560W 80 Plus® Silver-Level	2	46.5	30 lbs

FH: Full Height   FF: Full-Height, Full-Length   LP: Low-Profile

Optional Kit	Model Part #	Description
Fan	FAN-0100L4	40 x 28mm 8500rpm fan
Fan	FAN-0106L4	40 x 28mm 8500rpm fan
Fan Holder	MCP-320-11101-0N	Fan holder for 2x 4028 fans

2.5" HDD

SC113TQ-560U/C

SC113TQ-560U

UIO Rear View

SC113TQ-R650U

UIO Rear View

23.5" D

17.2" W

SC113TQ-700U

17.2" W
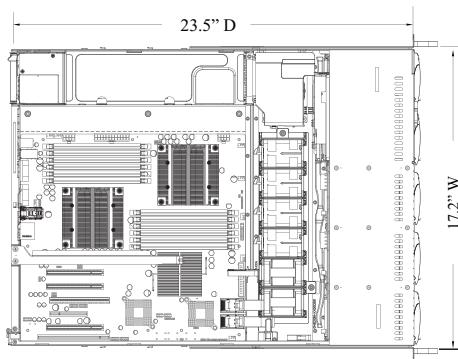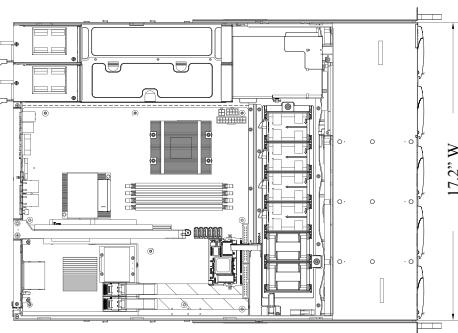
SC113TQ-R650U

Features

■ Black

✓ 8 hot-swap HDDs in 1U; 560W Silver-Level, 650W redundant or 700W high-efficiency power supply; UIO solution support (2 x FH, 1x LP)

Specifications

Form Factor	1U rackmount chassis, support for motherboard size: 12" x 13"; 13.68" x 13" (single power only); UIO motherboard
CPU support	Dual and Single Intel® and AMD processors
Expansion	SC113TQ-700UB/R650UB: 2 x FH, 1 x LP expansion slot SC113TQ-700CB/R650CB: 1 x FF, expansion slot
Drive Bays	1x slim DVD-ROM (except SC113TQ-560UB) 8x hot-swap 2.5" SAS/SATA HDD
Power Supply	SC113TQ-560U/C: 560W 80 Plus® Silver-Level high-efficiency power supply SC113TQ-700U/C: 700W high-efficiency power supply SC113TQ-R650U/C: 650W redundant high-efficiency power supply
Cooling System	4x 4cm counter-rotating pwm fans
Front Panel LEDs	Power LED, HDD activity LED, 2 network activity LEDs and Universal Information (UID) LED
Front Panel Buttons	Power On/Off button, system reset button, UID button
Dimensions	17.2" W x 1.7" H x 23.5" D
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10 ~ 35° C (50 to 95° F) Non operating: -40 ~ 70° C (-40 to 158° F)
Humidity	Operating: 8-90% non-condensing Non-operating: 5-95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration

Model	MB (Max. 13.68" x 13")				PCI I/O	Drive	Cooling Fan	Power	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD	H8							
SC113TQ-560UB	●	●	●	●	2x FH, 1x LP	8x SAS/SATA 2.5" w/SES II	4x 14000rpm	560W 80 Plus® Silver-Level	2	46.5	36 lbs
SC113TQ-560CB	●	●		●	1x FF	8x SAS/SATA 2.5" w/SES II	4x 14000rpm	560W 80 Plus® Silver-Level	2	46.5	36 lbs
SC113TQ-700UB	●	●	●	●	2x FH, 1x LP	8x SAS/SATA 2.5" w/SES II	4x 14000rpm	700W	4	57	36 lbs
SC113TQ-700CB	●	●		●	1x FF	8x SAS/SATA 2.5" w/SES II	4x 14000rpm	700W	4	57	36 lbs
SC113TQ-R650UB	●	●	●	●	2x FH, 1x LP	8x SAS/SATA 2.5" w/SES II	4x 14000rpm	650W Redundant	3	54	40 lbs
SC113TQ-R650CB	●	●		●	1x FF	8x SAS/SATA 2.5" w/SES II	4x 14000rpm	650W Redundant	3	54	40 lbs

FH: Full-Height,   FF: Full-Height,   Full-Length,   LP: Low-Profile

Optional Kit	Model Part #	Description
Rail	MCP-290-00052-0N-Bulk	Quick-release outer rail for square hole rack (bulk pack, 10 sets)
	MCP-290-00056-0N	Quick-release outer rail for square hole short-depth rack (19" ~ 26.4")

SC113MTQ *1U High-Performance, Short Depth Server Chassis*

2.5" HDD

SC113MTQ-560CB

Rear View

SC113MTQ-560CB

19.98" D

17.2" W
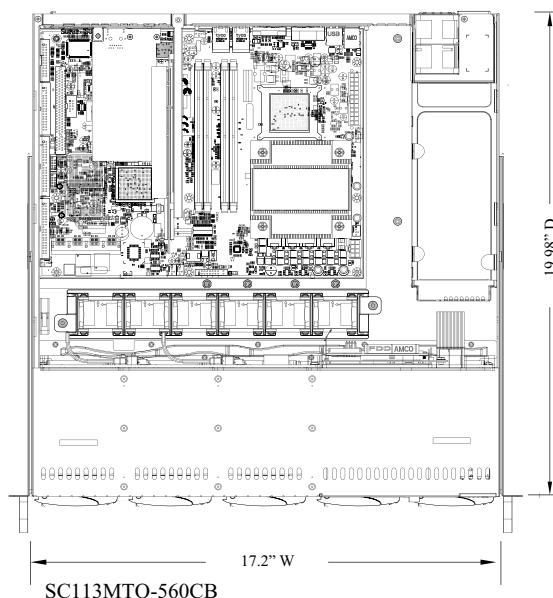
Features

✓ Compact, flexible, and versatile chassis
✓ 560W 80 Plus® Silver-Level certified, high-efficiency, multiple outputs power supply
✓ 8 hot-swap HDDs in 1U, high-efficiency power supply, 19.98"depth chassis

■ Black

Specifications

Form Factor	1U rackmount chassis, support for max. MB size-13.68" x 10.5"; E-ATX 12" x 13" and ATX 12" x 10"
CPU support	Dual and Single Intel® and AMD processors
Expansion	SC113MTQ-560CB: 1x FH expansion slot
Drive Bays	1x slim DVD-ROM 8x hot-swap 2.5" SAS/SATA HDD
Power Supply	SC113MTQ-560CB: 560W 80 Plus® Silver-Level high-efficiency power supply
Cooling System	4x 40x28mm PWM fans Optional 4x 40x56mm counter-rotating fans
Front Panel LEDs	Power LED, HDD activity LED, 2 network activity LEDs and Universal Information (UID) LED
Front Panel Buttons	Power on/off button, system reset button, UID button
Dimensions	17.2" W x 1.7" H x 19.98" D
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10-35° C (50 to 95° F) Non operating: -40 - 70° C (-40 to 158° F)
Humidity	Operating: 8-90% non-condensing Non-operating: 5-95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration

Model	MB (Max. 13.68" x 10.5") X8	X7	PD	H8	PCI I/O	Drive	Cooling Fan	Power	+5V$_{SB}$	+12V	Gross Weight
SC113MTQ-560CB	●	●	●	●	1 x FF	8 x SAS/SATA 2.5" w/ SES II	4x 12500rpm	560W 80 Plus® Silver-Level	2	46.5	29.5 lbs

FH: Full-Height,   FF: Full-Height,   Full-Length,   LP: Low-Profile

Optional Kit	Model Part #	Description
Rail	MCP-290-00052-0N-Bulk	Quick-release outer rail for square hole rack (bulk pack, 10 sets)
	MCP-290-00056-0N	Quick-release outer rail for square hole short-depth rack (19" ~ 26.4")

SC809T/LT *2 Nodes in one 1U chassis*

2.5" HDD


SC809T-1200B

SC809T-1200B

Rear View

27.75" D

SC809T-1200B

17.2" W
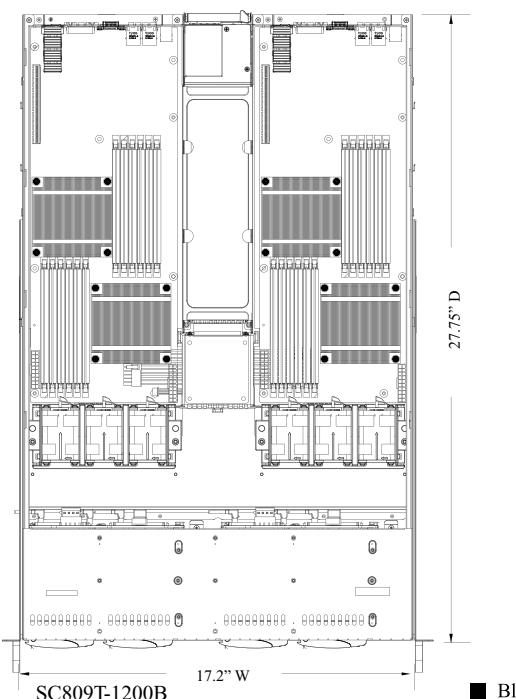
■ Black

Features

✓ Twin Dual and Single Intel® and AMD processors supported
✓ Twin low-profile PCI/PCI-X/PCI-E supported
✓ Twin 3 heavy-duty counter-rotating fans with optimal fan speed control & air shroud
✓ 1200W Gold-Level; 980W/780W high-efficiency cold-swap power supply (93% and up*)
✓ Independent power control for each node

Specifications

Form Factor	1U chassis support for Twin MB, max. size 6.8" x 18"
CPU support	Twin Dual and Single Intel® and AMD processors
Expansion	Twin LP expansion slot
Drive Bays	Twin 4x hot-swap 2.5" SAS/SATA HDD
Power Supply	1200W Gold-Level; 780W or 980W high-efficiency power supply w/I²C
Cooling System	Twin 3x 40x56 mm counter-rotating fans (SC809T) or Twin 3x 40x28 mm fans (SC809LT)
Front Panel LEDs	Twin Power LED, HDD activity LED, 2 network activity LEDs and system overheat LED
Front Panel Buttons	Twin Power On/Off button, system reset button
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 27.75" (705mm) Packing: 26.5" x 9" x 35"
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10 ~ 35° C (50 to 95° F) Non operating: -40 ~ 70° C (-40 to 158° F)
Humidity	Operating: 8-90% non-condensing Non-operating: 5-95% non-condensing

Model	Twin MB (Max. 6.8" x 18")	PCI I/O	Drive	Cooling System	Power	+5V$_{SB}$	+12V	Gross Weight
SC809T-1200B	X7DCT/-INF, X7SBT/-10G, X7DWT/-INF X8DTT/-INF/-IBX/-IBQ	2 x LP	8 x SATA 2.5"	6 x 14000rpm fans(4-pin)	1200W Gold-Level high-efficiency w/I²C	4	83/100*	40 lbs
SC809T-980B	X7DBT/-INF, X7DGT/-INF, X7DWT/-INF	2 x LP	8 x SATA 2.5"	6 x 13300rpm fans(6-pin)	980W high-efficiency w/I²C	4	81	40 lbs
SC809T-780B	X7DCT/-INF, X7SBT/-10G, X7DWT/-INF X8DTT/-INF/-IBX/-IBQ	2 x LP	8 x SATA 2.5"	6 x 14000rpm fans(4-pin)	780W high-efficiency w/I²C	4	58/65*	40 lbs
SC809LT-780B	X7SBT/-10G	2 x LP	8 x SATA 2.5"	6 x 12500rpm fans(4-pin)	780W high-efficiency w/I²C	4	58/65*	40 lbs

Optional Kit	Model Part #	Description
Rail	MCP-290-00052-0N-Bulk	Quick-release outer rail for square hole rack (bulk pack, 10 sets)
	MCP-290-00056-0N	Quick-release outer rail for square hole short-depth rack (19"~26.4")
	MCP-290-00054-0N	Quick-release rail set for square hole rack (single set, inner and outer)

SC808T/LT — *2 Nodes in one 1U chassis*

80 PLUS GOLD

SC808T-1200B

SC808T-1200B

Rear View
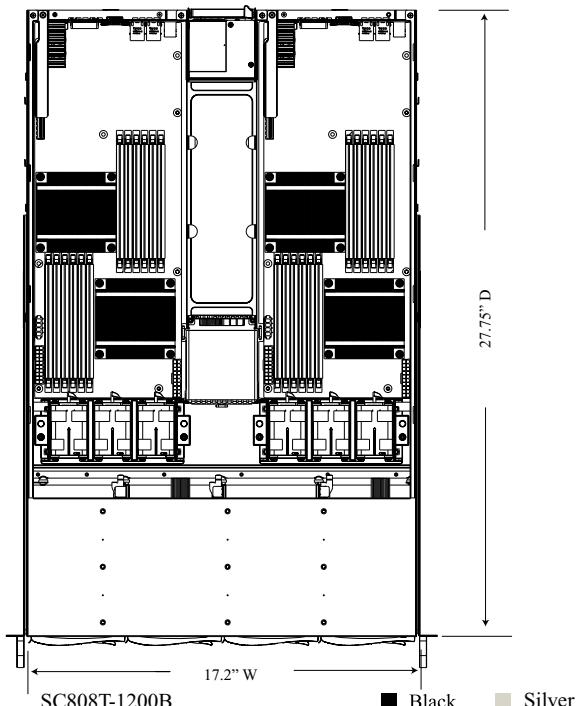
27.75" D

17.2" W

SC808T-1200B   ■ Black   ■ Silver

Features

- ✓ Twin Dual and Single Intel® and AMD processors supported
- ✓ Twin low-profile PCI/PCI-X/PCI-E supported
- ✓ Twin 3 heavy-duty counter-rotating fans with optimal fan speed control & air shroud
- ✓ 1200W Gold-Level; 980W/780W high-efficiency cold-swap power supply (91% and up*)
- ✓ Independent power control for each node

Specifications

Form Factor	1U chassis support for Twin MB, max. size - 6.8" x 16.64"
CPU support	Twin Dual and Single Intel® and AMD processors
Expansion	Twin low-profile expansion slot
Drive Bays	Twin 2 x 3.5" hot-swap SAS/SATA drive bays
Power Supply	1200W Gold-Level; 980W or 780W high-efficiency power supply w/I²C
Cooling System	Twin 3 x 4cm heavy duty counter-rotating fans with optimal fan speed control
Front Panel LEDs	Twin Power LED, hard drive activity LED, 2 network activity LEDs & System overheat LED
Front Panel Buttons	Twin Power On/Off button, System Reset button
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 27.75" (705mm) Packing: 26.5" x 9" x 35"
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10 ~ 35° C (50 to 95° F) Non operating: -40 ~ 70° C (-40 to 158° F)
Humidity	Operating: 8-90% non-condensing Non-operating: 5-95% non-condensing

Model	Twin MB (Max. 6.8" x 18")	PCI I/O	Drives	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
SC808T-1200	X7DBT/-10G, X7DGT/-INF, X7DWT/-INF X8DTT/-INF/-IBX/-IBQ	2 x LP	4 x SATA	6 x 14000rpm fans (6-pin)	1200W Gold-Level high-efficiency power w/I²C	4	83/100*	40 lbs
SC808T-980	X7DBT/-10G, X7DGT/-INF, X7DWT/-INF	2 x LP	4 x SATA	6 x 14000rpm fans (6-pin)	980W high-efficiency power w/I²C	4	81	40 lbs
SC808T-780	X7DCT/-INF, X7DWT/-INF X8DTT/-INF/-IBX/-IBQ	2 x LP	4 x SATA	6 x 14000rpm fans (4-pin)	780W high-efficiency power w/I²C	4	58/65*	40 lbs
SC808LT-780	X7DBT/-10G	2 x LP	4 x SATA	6 x 12500rpm fans (4-pin)	780W high-efficiency power w/I²C	4	58/65*	40 lbs

Optional Kit	Model Part #	Description
Rail	MCP-290-00052-0N-Bulk MCP-290-00056-0N MCP-290-00054-0N	Quick-release outer rail for square hole rack (bulk pack, 10 sets) Quick-release outer rail for square hole short-depth rack (19"~26.4") Quick-release rail set for square hole rack (single set, inner and outer)

* New generation power supply efficiency measured under typical loading operations

SC815TQ-720CB

SC815S-700C

Rear View

SC815TQ-720CB

■ Black   ■ Silver

Features

720W(Gold-Level)/700W/560W and 650W high efficiency redundant power supply, 4 hot-swap drive support, high performance fans

Specifications

Form Factor	1U chassis support for motherboard size - 12" x 13" and 13.68" x 13" (single power only)
CPU support	Dual Intel® and AMD processors
Expansion	1 full-height & full-length expansion slot & 1 low-profile expansion slot (SC815S-700/R650/560, SC815TQ-700/R560/560 only)
Peripheral Drives	1 slim DVD-ROM drive & 1 optional slim FDD
Drive Bays	SC815S-700/SC815S-R650/SC815S-560: 4 x 3.5" hot-swap SCA drive bays with SAF-TE compliance SC815TQ-720/700/R650/560: 4 x 3.5" hot-swap SAS/SATA drive bays with SES2
Power Supply	SC815TQ-720: 720W Gold-Level high-efficiency power supply w/I²C & fan speed control & PMBus SC815S/TQ-700: 700W high-efficiency power supply w/I²C & fan speed control SC815S/SC815TQ-R650: 650W (1+1) redundant high-efficiency hot-swap power supply w/I²C & fan speed control (for 12" x13" motherboard SC815S-560: 560W high-efficiency & fan speed control) SC815TQ-560: 560W 80 Plus® Certified high-efficiency & fan speed control
Cooling System	4 x 4cm heavy duty counter-rotating fans with optimal fan speed control
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & system overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2"(437mm) x 1.7"(43mm) x 25.6" (650mm) Packing: 23.5" x 8.5" x 33.7"
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10˚ ~ 35˚ C (50˚ to 95˚ F) Non-operating: -40˚ ~ 70˚ C (-40˚ to 158˚ F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◖ Compatible

New!

Model	MB (Max. 13.68" x 13")		PCI I/O	Drives	DVD-ROM	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X8	X7								
SC815S-700		●	1 FF & 1 LP	4 SCA w/SAF-TE	slim	4 x 14000rpm fans	700W high-efficiency	4	57	36 lbs
SC815S-700C		●	1 FF	4 SCA w/SAF-TE	slim	4 x 14000rpm fans	700W high-efficiency	4	57	36 lbs
SC815TQ-720C	●	●	1 FF	4 SAS/SATA w/SES2	opt.	4 x 14000rpm fans	720W Gold-Level high-efficiency	3	59	36 lbs
SC815TQ-700	●	●	1 FF & 1 LP	4 SAS/SATA w/SES2	slim	4 x 14000rpm fans	700W high-efficiency	4	57	36 lbs
SC815TQ-700C		●	1 FF	4 SAS/SATA w/SES2	slim	4 x 14000rpm fans	700W high-efficiency	4	57	36 lbs
SC815S-R650		●	1 FF & 1 LP	4 SCA w/SAF-TE	slim	4 x 14000rpm fans	650W redundant high-efficiency	3	54	40 lbs
SC815TQ-R650		●	1 FF & 1 LP	4 SAS/SATA w/SES2	slim	4 x 14000rpm fans	650W redundant high-efficiency	3	54	40 lbs
SC815S-560	●	●	1 FF & 1 LP	4 SCA w/SAF-TE	opt.	4 x 14000rpm fans	560W high-efficiency	3	43.6	36 lbs
SC815S-560C		●	1 FF	4 SCA w/SAF-TE	opt.	4 x 14000rpm fans	560W high-efficiency	3	43.6	36 lbs
SC815TQ-560	●	●	1 FF & 1 LP	4 SAS/SATA w/SES2	opt.	4 x 14000rpm fans	560W 80 Plus® Certified high-efficiency	3	43.6	36 lbs
SC815TQ-560C	●	●	1 FF	4 SAS/SATA w/SES2	opt.	4 x 14000rpm fans	560W high-efficiency	3	43.6	36 lbs

FF: Full-height & full-length expansion slot   LP: Low-profile expansion slot   SES2: SCSI Enclosure Services-2

Optional Kit	Model Part #	Description
Rail	MCP-290-00052-0N-Bulk MCP-290-00056-0N MCP-290-00054-0N	Quick-release outer rail for square hole rack (bulk pack, 10 sets) Quick-release outer rail for square hole short-depth rack (19"~26.4") Quick-release rail set for square hole rack (single set, inner and outer)

SC815TQ-U

## 1U UIO Chassis with 2 Full-Height & 1 Low-Profile Slots

SC815TQ-720U

SC815TQ-R650U

Rear View (SC815TQ-560U)

Rear View (SC815TQ-R650U/R450U)

25.6" D

17.2" W

SC815TQ-560U
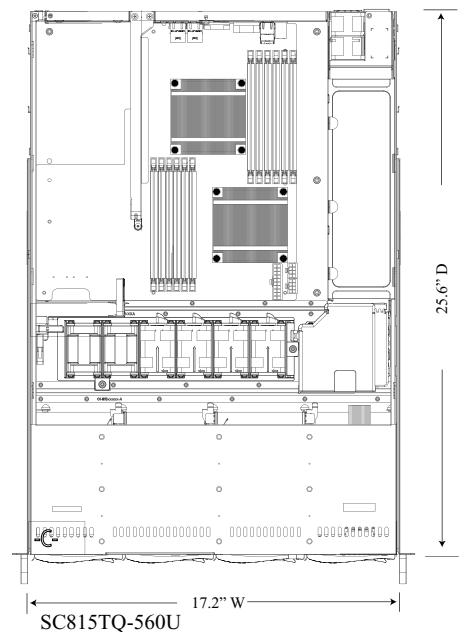
■ Black   ▨ Silver

Features

✓ 720W Gold-Level / 560W high-efficiency power or 650W/450W redundant high-efficiency power supply
✓ 2 full-height PCI/PCI-X/PCI-E & 1 low-profile PCI/PCI-X/PCI-E supported
✓ 4/3 counter-rotating fans with optimal fan speed control & air shroud

Specifications

Form Factor	SC815TQ-720U/710U/560U: 1U chassis support for UIO motherboard size - 13.68" x 13" & 12" x 13"
	SC815TQ-R650U/R450U: 1U chassis support for UIO E-ATX motherboard size - 12" x 13"
CPU support	Dual and Single Intel® and AMD processors
Expansion	2 full-height expansion slots & 1 low-profile expansion slot
Peripheral Drives	1 slim DVD-ROM drive (SC815TQ-560U optional) & 1 optional slim FDD
Drive Bays	4x 3.5" hot-swap drive bays
Power Supply	SC815TQ-R650U/R450U: 650W/450W (1+1) redundant high-efficiency power supply w/I²C
	SC815TQ-720U/710U/560U: 720W Gold-Level w/ PMBus and 710W/560W high-efficiency power supply
Cooling System	SC815TQ-R650U/720U/710U/560U: 4x 4cm heavy duty counter-rotating fans with optimal fan speed control
	SC815TQ-R450U: 3x 4cm heavy duty counter-rotating fans with optimal fan speed control
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & Universal Information (UID) LED
Front Panel Buttons	Power On/Off button, System Reset button & UID button
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 25.6" (650mm) Packing: 23.5" x 8.5" x 33.7"
Rail	Extendable lengths of 25.6" to 33.05"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◖ Compatible   ● Optimized low-power configuration

Model	UIO MB			PCI I/O	Drives	DVD-ROM	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
	X8	X7	PD								
SC815TQ-R650U	●	●	●	2 FH & 1 LP	4 hot-swap	slim	4x 14000rpm fans	650W redundant high-efficiency	3	54	40 lbs
SC815TQ-R450U	●	●	●	2 FH & 1 LP	4 hot-swap	slim	3x 14000rpm fans	450W redundant high-efficiency	3	37	40 lbs
SC815TQ-720U	●	●	◖	2 FH & 1 LP	4 hot-swap	optional	4x 14000rpm fans	720W Gold-Level high-efficiency	3	59	36 lbs
SC815TQ-710U	●	●	◖	2 FH & 1 LP	4 hot-swap	slim	4x 14000rpm fans	710W high-efficiency	4	59	36 lbs
SC815TQ-560U	●	●	◖	2 FH & 1 LP	4 hot-swap	optional	4 x 14000rpm fans	560W high-efficiency	3	43.6	36 lbs

| Optional Kit	Model Part #	Description
Peripheral Drives	FPD-TEAC-S FPD-TEAC-SB FPD-TEAC-SV	Slim TAEC Floppy Drive Slim TAEC Floppy Drive (Black) Slim TAEC Floppy Drive (Silver)
Rail	MCP-290-00052-0N-Bulk MCP-290-00056-0N MCP-290-00054-0N	Quick-release outer rail for square hole rack (bulk pack, 10 sets) Quick-release outer rail for square hole short-depth rack (19"~26.4") Quick-release rail set for square hole rack (single set, inner and outer)

SC818G — *1U Chassis Designed for High-End GPU Applications*
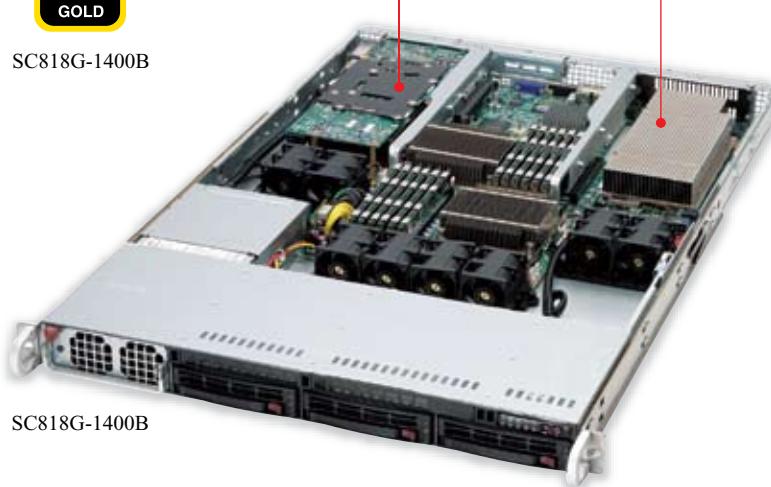
SC818G-1400B

SC818G-1400B

SC818G-1400B Rear View

Optimized for two double-width high-end graphics cards (GPUs)

28.2" D

17.2" W
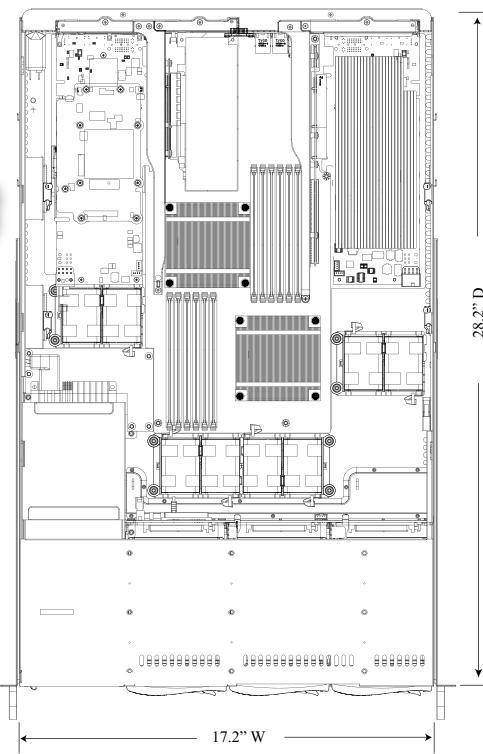
SC818G-1400B

■ Black

Features

✓ Space-effective chassis optimized for two double-width high-end graphics cards (GPU)
✓ 1400W Gold-Level high-efficiency power supply
✓ Optimized thermal solution for GPU & CPU

Specifications

Form Factor	1U rackmount chassis supports X8DTG-2 and X8/H8 Twin motherboards
CPU support	Dual and Single Intel® and AMD processors
Expansion	4x full-height & full-length + 1 low-profile expansion slots, or 2x Double-width high end graphics cards (GPU) + 1 low-profile expansion slot
Peripheral Drives	1x Slim DVD-ROM drive - 8x DVD, 24x CDR (optional); USB / COM port tray (optional)
Drive Bays	3x 3.5" hot-swap drive trays
Power Supply	1400W Gold-Level high-efficiency power supply
Cooling System	8x 4cm heavy duty counter-rotating fan with optimal fan speed control (4 for motherboard, 2 for each AOC area)
Front Panel LEDs	Power Status LED, Hard Drive Activity LED, 2x Network Activity LEDs, System Overheat LED / Fan Fail / UID
Front Panel Buttons	Power On/Off button and System Reset button
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 28.2" (716mm)
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10˚ ~ 35˚ C (50˚ to 95˚ F) Non-operating: -40˚ ~ 70˚ C (-40˚ to 158˚ F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized

Model	Twin MB		PCI I/O	Drives	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X8	H8							
SC818G-1400B	●	●	4x FF & 1x LP	3x 3.5" hot-swap	8x 4cm fans	1400W Gold-Level high-efficiency	4	83/100	38 lbs

Optional Kit	Model Part #	Description
Rail	MCP-290-00052-0N-Bulk MCP-290-00056-0N MCP-290-00054-0N	Quick-release outer rail for square hole rack (bulk pack, 10 sets) Quick-release outer rail for square hole short-depth rack (19"~26.4") Quick-release rail set for square hole rack (single set, inner and outer)

* Lowline AC input / Highline AC input

SC818S/TQ   *1U High-End Chassis - Quad Processors*
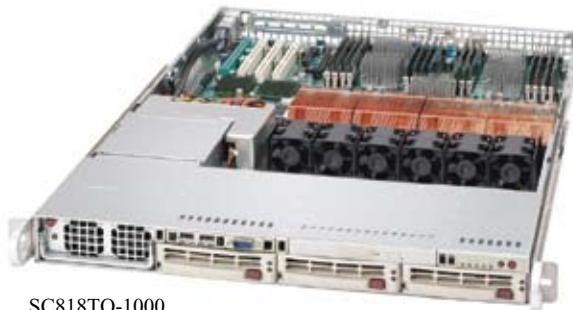
SC818TQ-1000

Front view

Rear view (SC818TQ-1000)

17.2" W
27.75" D
SC818TQ-1000

■ Black   ▨ Beige
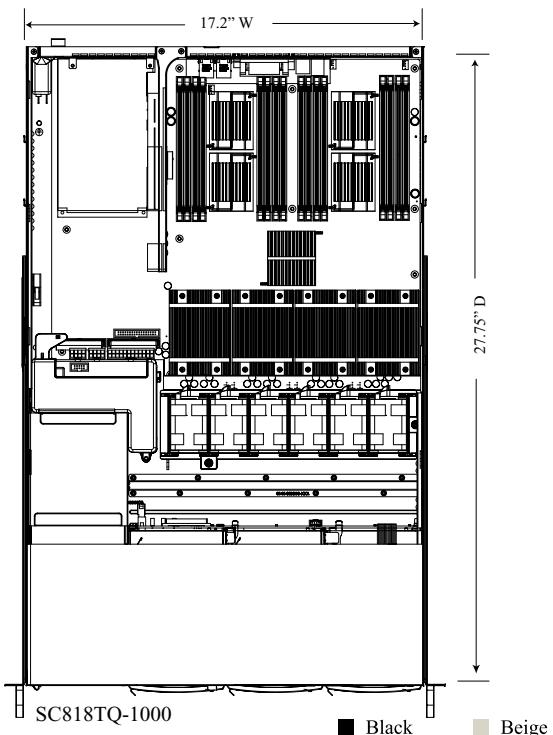
Features

1000W power supply with high-efficiency power, 3 hot-swap drive support, high performance fans

Specifications

Form Factor	1U chassis support for MP motherboard size - 14.3" x 17"
CPU support	Quad Intel® and AMD processors
Expansion	1 full-height & full-length expansion slot (with Riser Card)
Peripheral Drives	Slim DVD-ROM drive & optional slim FDD drive
Drive Bays	SC818S-1000: 3 x 3.5" hot-swap SCSI (Ultra320/160) drive bays SC818TQ-1000: 3 x 3.5" hot-swap SAS/SATA drive bays with SES2
Power Supply	Front-loading 1000W high-efficiency power supply w/I²C
Cooling System	6 x 4cm heavy duty counter-rotating fan with optimal fan speed control
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System Overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2"(437mm) x 1.7"(43mm) x 27.75" (705mm) Packing: 37.9" x 26.2" x 9"
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10 ~ 35° C (50 to 95° F) Non operating: -40 ~ 70° C (-40 to 158° F)
Humidity	Operating: 8-90% non-condensing Non-operating: 5-95% non-condensing

● Optimized

Model	Quad MB (Max. 14.3" x 17")	PCI I/O	Drives	Cooling System	Power Supply	+5V_{SB}	+12V	Gross Weight
SC818TQ-1000	X7	1 FF	3 SAS/SATA w/SES2	6 x 14000rpm fans	1000W high-efficiency	4	83	38 lbs
SC818S-1000	X7	1 FF	3 SCSI (Ultra320/160)	6 x 14000rpm fans	1000W high-efficiency	4	83	38 lbs
SC818TQ+-1000	H8	1 FF	3 SAS/SATA w/SES2	6 x 14000rpm fans	1000W high-efficiency	4	83	38 lbs
SC818TQ+-1000LPB	H8	1 LP	3 SAS/SATA w/SES2	6 x 14000rpm fans	1000W high-efficiency	4	83	38 lbs

Optional Kit	Model Part #	Description
Front Bezel	CSE-PTFB-813(B)	Front cover bezel with key lock and filter (beige or black color)
Front Tray	CSE-PT40(B)	Front USB and COM tray (occupies slim floppy drive location)
Rail	MCP-290-00052-0N-Bulk MCP-290-00056-0N MCP-290-00054-0N	Quick-release outer rail for square hole rack (bulk pack, 10 sets) Quick-release outer rail for square hole short-depth rack (19"~26.4") Quick-release rail set for square hole rack (single set, inner and outer)

* New generation power supply efficiency measured under typical loading operations
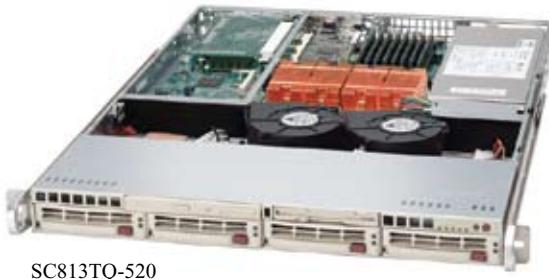
SC813TQ-520

Optional LCD Front Bezel view

25.6" D

17.2" W
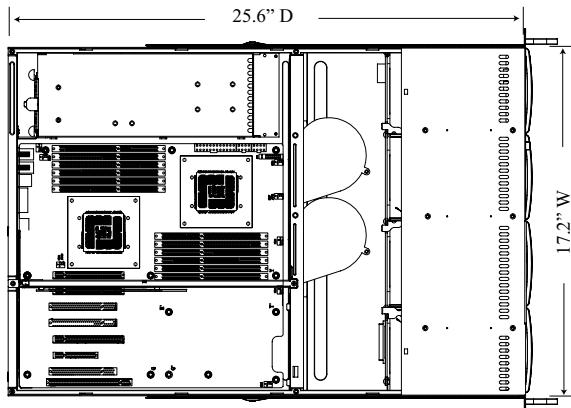
SC813TQ-520

Features

■ Black   ■ Beige

4 hot-swap drive support, 520W high-efficiency/500W cold-swap power supply, butterfly design for 2 expansion slots

Specifications

Form Factor	1U chassis support for motherboard size - 12" x 13", E-ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	1 full-height & full-length expansion slot & 1 low-profile expansion slot (SC813S-500, SC813T/TQ-500 & SC813S/TQ-520 only)
Peripheral Drives	1 slim CD-ROM drive
Drive Bays	SC813S-500C/SC813S-500 & SC813S-520/520C: 4 x 3.5" hot-swap SCA drive bays with SAF-TE compliance
	SC813TQ*-520C/520/500 & SC813T-500C/500: 4 x 3.5" hot-swap SAS/SATA drive bays with SES2
Power Supply	SC813S-500/500C, SC813T/SC813TQ-500, SC813T-500C: 500W cold-swap with I²C built-in
	SC813S-520/520C & SC813TQ-520/520C: 520W high-efficiency power supply
Cooling System	2 x 10cm blowers
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System Overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2"(437mm) x 1.7"(43mm) x 25.6" (650mm) Packing: 23.4" x 8.5" x 33.7"
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration   ◗ Compatible low-power configuration

Model	MB (Max. 12" x 13") X8	MB (Max. 12" x 13") X7	PCI I/O	Drives	CD/FDD	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
SC813S-520		●	1 FF & 1 LP	4 SCA w/SAF-TE	slim/slim	2 x 5000rpm blowers	520W high-efficiency	3	39	36 lbs
SC813S-520C		●	1 FF	4 SCA w/SAF-TE	slim/slim	2 x 5000rpm blowers	520W high-efficiency	3	39	36 lbs
SC813S-500		◗	1 FF & 1 LP	4 SCA w/SAF-TE	slim/slim	2 x 5000rpm blowers	500W cold-swap	2	39	36 lbs
SC813S-500C		◗	1 FF	4 SCA w/SAF-TE	slim/slim	2 x 5000rpm blowers	500W cold-swap	2	39	36 lbs
SC813TQ*-520	●	●	1 FF & 1 LP	4 SAS/SATA w/SES2	slim/slim	2 x 5000rpm blowers	520W high-efficiency	3	39	36 lbs
SC813TQ*-520C	●	●	1 FF	4 SAS/SATA w/SES2	slim/slim	2 x 5000rpm blowers	520W high-efficiency	3	39	36 lbs
SC813T/TQ*-500	●	◗	1 FF & 1 LP	4 SAS/SATA w/SES2	slim/slim	2 x 5000rpm blowers	500W cold-swap	2	39	36 lbs
SC813T-500C	●	◗	1 FF	4 SAS/SATA	slim/slim	2 x 5000rpm blowers	500W cold-swap	2	39	36 lbs

* Only SC813TQ-520C/520/500 chassis with SES2 support

Optional Kit	Model Part #	Description
LCD Front Bezel	MCP-210-00007-02/01	LCD Front bezel with 6 function buttons & key lock for security (beige/black color)
Front Bezel	CSE-PTFB-813(B)	Front cover bezel with key lock and filter (beige or black color)
Front Tray	CSE-PT40(B)	Front USB and COM tray (occupies slim floppy drive location)
Riser Card(s)	CSE-RR1U-XLP MCP-290-00054-0N	1U 1-Slot 64-bit 3.3V PCI-X (for Low-Profile Riser Slot) 1U 64-bit 3.3V PCI-X Riser Card (Full-height)
Rail	MCP-290-00052-0N-Bulk MCP-290-00056-0N MCP-290-00054-0N	Quick-release outer rail for square hole rack (bulk pack, 10 sets) Quick-release outer rail for square hole short-depth rack (19"~26.4") Quick-release rail set for square hole rack (single set, inner and outer)

SC813MFTQ-520CB

Optional LCD Front Bezel

19.85" D

17.2" W
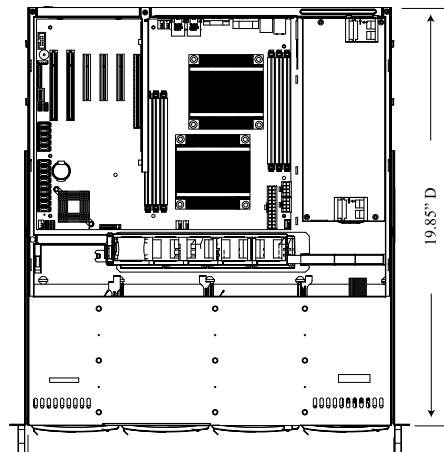
SC813MFTQ-520C ■ Black   ■ Beige

Features

4 hot-swap drives support, high performance fans & compact size

Specifications

|	
Form Factor	1U chassis support for max. motherboard size - 12" x 10" ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	1 full-height & half-length expansion slot
Peripheral Drives	1 slim CD-ROM drive (optional) 2 front side USB ports & 1 COM port
Drive Bays	SC813MS-520C/420C/410C/300C/280C: 4 x 3.5" hot-swap SCA drive bays with SAF-TE compliant SC813MT-420C & SC813MT-410C/300C & SC813MTQ-520C/280C: 4 x 3.5" hot-swap SAS/SATA drive bays
Cooling System	4x 4cm high performance PWM fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System Overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2"(437mm) x 1.7"(43mm) x 19.8" (503mm) Packing: 23.4" x 8.5" x 29.7"
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10-35° C (50-95° F) Non operating: -40 - 70° C (-40 - 158° F)
Humidity	Operating: 8-90% non-condensing Non-operating: 5-95% non-condensing

● Optimized   ◐ Compatible   ● Optimized low-power configuration   ◐ Compatible low-power configuration

Model	MB (Max. 12" x 10")			PCI I/O	Drive	Cooling System	Power	+5VSB	+12V	Gross Weight
	X8	X7	PD							
SC813MFTQ-520CB	●	●		1 FH	4 SAS/SATA	4 x 13000rpm fans	520W high-efficiency	3	39	31 lbs
SC813MS-520C		●		1 FH	4 SCA w/SAF-TE	4 x 12500rpm fans	520W high-efficiency	3	39	31 lbs
SC813MTQ-520C	●	●		1 FH	4 SAS/SATA	4 x 12500rpm fans	520W hign-efficiency	3	39	31 lbs
SC813MS-420C				1 FH	4 SCA w/SAF-TE	4 x 12500rpm fans	420W	2	32	31 lbs
SC813MS-410C				1 FH	4 SCA w/SAF-TE	4 x 12500rpm fans	410W DC (24-pin)	2	32	31 lbs
SC813MT-420C				1 FH	4 SAS/SATA	4 x 12500rpm fans	420W	2	32	31 lbs
SC813MT-410C				1 FH	4 SAS/SATA	4 x 12500rpm fans	410W DC (24-pin)	2	32	31 lbs
SC813MS-300C			●	1 FH	4 SCA w/SAF-TE	3 x 12500rpm fans	300W	2	20	31 lbs
SC813MT-300C	●		●	1 FH	4 SAS/SATA	3 x 12500rpm fans	300W	2	20	31 lbs
SC813MFT-300C	●		●	1 FH	4 SAS/SATA	3 x 10000rpm fans	300W	2	20	31 lbs
SC813MS-280C		●		1 FH	4 SCA w/SAF-TE	4 x 12500rpm fans	280W high-efficiency	2	23/27	31 lbs
SC813MTQ-280C	●	●		1 FH	4 SAS/SATA	4 x 12500rpm fans	280W high-efficiency	2	23/27	31 lbs

Optional Kit	Model Part #	Description
LCD Front Bezel	MCP-210-00007-02/01	LCD Front bezel with 6 function buttons & key lock for security (beige/black color)
Front Bezel	CSE-PTFB-813(B)	Front cover bezel with key lock and filter (beige or black color)
Riser Card(s)	CSE-RR1U-X	1U 64-bit 3.3V PCI-X Riser Card
Rail	MCP-290-00052-0N-Bulk MCP-290-00056-0N	Quick-release outer rail for square hole rack (bulk pack, 10 sets) Quick-release outer rail for square hole short-depth rack (19"~26.4")
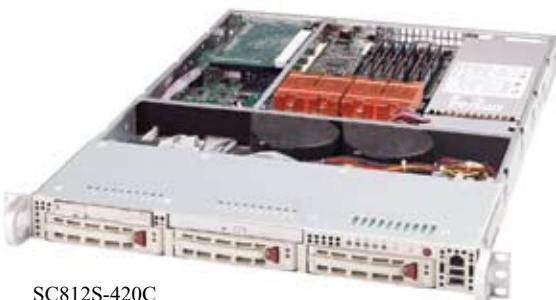
SC812S-420C

Rear view (SC812i/SC812S-420/410)

Rear view (SC812i/SC812S-420C/410C)

25.6" D

SC812S-420

16.8" W
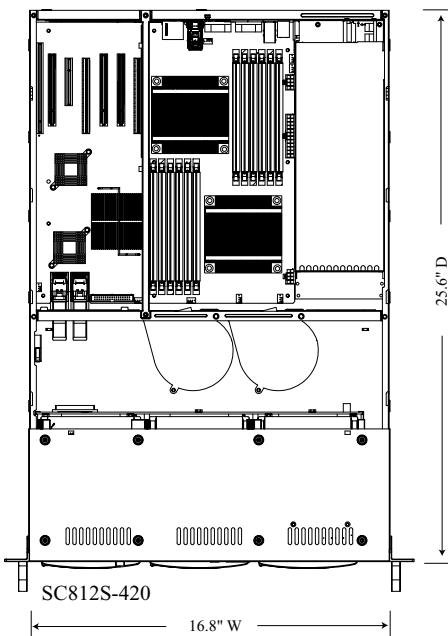
■ Black   ■ Beige

Features

3 hot-swap drive support, butterfly design for 2 expansion slots & dual heavy duty blowers

Specifications

Form Factor	1U chassis support for motherboard size - 12" x 13" E-ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	1 full-height & full-length expansion slot & 1 low-profile expansion slot (SC812S-420/410 & SC812i-420 only)
Drive Bays	3 x 3.5" hot-swap drive bays
Cooling System	2 x 10cm blowers
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System Overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimension	W x H x D: 16.8" (426mm) x 1.7" (43mm) x 25.6" (650mm) Packing: 22" x 8.1" x 31.7"
Rail	Extendable lengths 29" to 35.25"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration   ◖ Compatible low-power configuration

Model	MB (Max. 12" x 13")		PCI I/O	Drive	CD-ROM/ FDD	Cooling System	Power +5VSB +12V			Gross Weight
	X8	X7								
SC812S-420C		◑	1 FF	3 SCA	Optional	2 x 5000rpm blowers	420W (24-pin)	2	32	34 lbs
SC812S-420		●	1 FF & 1 LP	3 SCA	Optional	2 x 5000rpm blowers	420W (20-pin)	2	32	34 lbs
SC812i-420C	●	◑	1 FF	3 fixed	Optional	2 x 5000rpm blowers	420W (24-pin)	2	32	34 lbs
SC812i-420	●	●	1 FF & 1 LP	3 fixed	Optional	2 x 5000rpm blowers	420W (20-pin)	2	32	34 lbs
SC812S-410C		●	1 FF	3 SCA	Optional	2 x 5000rpm blowers	410W DC (24-pin)	2	32	34 lbs
SC812S-410		●	1 FF & 1 LP	3 SCA	Optional	2 x 5000rpm blowers	410W DC (20-pin)	2	32	34 lbs

Optional Kit	Model Part #	Description
Front Bezel	CSE-PTFB-812(B)	Front cover bezel with key lock and filter (beige or black color)
Riser Card(s)	CSE-RR1U-XLP	1U 1-Slot 64-bit 3.3V PCI-X (for Low-Profile Riser Slot)
	CSE-RR1U-X	1U 64-bit 3.3V PCI-X Riser Card (Full-height)

SC812L(-U) *1U High-Performance Chassis - Dual/Single Processors*

SC812L-520C

SC812L-520U

SC812L-520C/420C Rear View

SC812L-520U Rear View
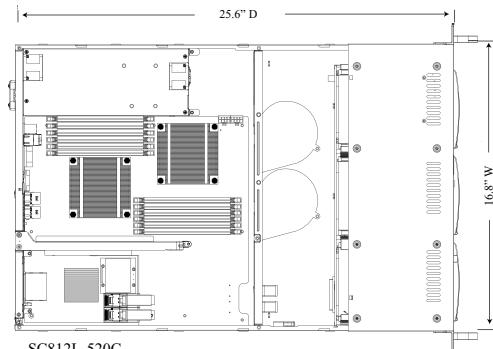
SC812L-520C
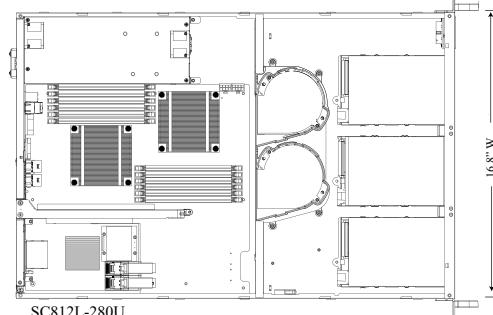
SC812L-280U

■ Black ▨ Beige

Features

✔ 2 Full-height PCI/PCI-X/PCI-E & 1 low-profile PCI/PCI-X/PCI-E supported

✔ 520W/280W high-efficiency power supply (88% and up*)

✔ Adjustable blower tray to optimize air flow with different motherboards

Specifications

Form Factor	1U chassis support for motherboard size - 12" x 13", E-ATX UIO motherboard
CPU support	Dual and Single Intel® and AMD processors
Expansion	SC812L-520/420/410: 1 full-height & full-length expansion slot & 1 low-profile expansion slot SC812L-520U/280U: 2 full-height & full-length expansion slot & 1 low-profile expansion slot
Drive Bays	3 x 3.5" fixed drive bays
Cooling System	2 x 10cm blowers with optimal fan speed control & adjustable direction
Front Panel LEDs	Power, hard drive activity, and 2 network activity LEDs; System Overheat LED (SC812L) & Universal Information LED (SC812L-U)
Front Panel Buttons	Power on/off button, system reset button & UID button
Dimensions	W x H x D: 16.8" (426mm) x 1.7" (43mm) x 25.6" (650mm) Packing: 22" x 8.1" x 31.7"
Rail	Extendable lengths of 29" to 35.25"
Temperature	Operating: 10° ~ 35° C (50° to 95°F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration   ◗ Compatible low-power configuration

Model	MB (Max. 12" x 13")			PCI I/O	Drive	Cooling System	Power	+5Vsʙ	+12V	Gross Weight
	X8	X7	PD							
SC812L-420	●	●		1 FF & 1 LP	3 fixed	2 x 5000rpm blowers	420W (20-pin)	2	32	34 lbs
SC812L-410	●	●		1 FF & 1 LP	3 fixed	2 x 5000rpm blowers	410W DC (20-pin)	3	32	34 lbs
SC812L-420C	●	●		1 FF	3 fixed	2 x 5000rpm blowers	420W (24-pin)	2	32	34 lbs
SC812L-520	●	●		1 FF & 1 LP	3 fixed	2 x 5000rpm blowers	520W high-efficiency (20-pin)	3	39	34 lbs
SC812L-520C	●	●		1 FF	3 fixed	2 x 5000rpm blowers	520W high-efficiency (24-pin)	3	39	34 lbs
SC812L-520U	●	●	●	2 FF & 1 LP	3 fixed	2 x 5000rpm blowers	520W high-efficiency	3	39	34 lbs
SC812L-280U	●	●	●	2 FF & 1 LP	3 fixed	2 x 5000rpm blowers	280W high-efficiency	2	23/27*	34 lbs

Optional Kit	Model Part #	Description
Riser Card(s)	CSE-RR1U-E16 CSE-RR1U-EL CSE-RR1U-ELP CSE-RR1U-X CSE-RR1U-XLP	1U PCI-E to PCI-E Riser Card (x16) 1U Universal to PCI-E (x8) Full-height 1U Universal (SXB-E) Slot to PCI-E (x8) Slot (Low-profile) 1U 64-bit 3.3V PCI-X Riser Card (Full-height) 1U 1-Slot 64-bit 3.3V PCI-X (for Low-Profile Riser Slot)

FF: Full-height & full-length expansion slot   LP: Low-profile expansion slot
* For inputs above 180VAC

SC811TQ-520

16.8" W

22.6" D

SC811T-300
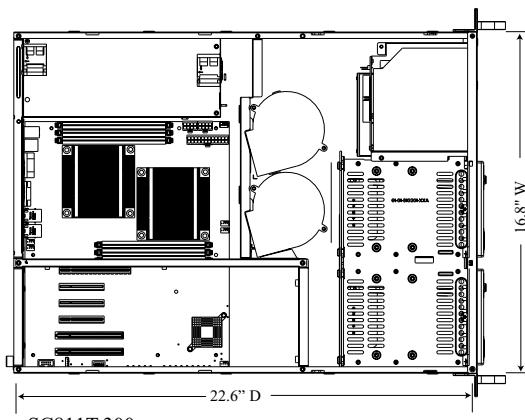
Features

■ Black   ■ Beige

An efficient 1U rackmount design optimized for the best cost/performance ratio, dual heavy-duty blowers for superior cooling

Specifications

Form Factor	1U chassis support for max. motherboard size - 12" x 10" ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	1 full-height full-length expansion slot
Peripheral Drives	Optional Floppy drive (SC811S/SC811TQ/SC811i-520 & 280 no floppy option) & option CD-ROM drive
Drive Bays	SC811S/SC811TQ/SC811T: 2 x 3.5" hot-swap drive bays; SC811i: 2 x 3.5" fixed drive bays
Cooling System	SC811S/SC811TQ/SC811T/SC811i: 2 x 10cm blowers ; SC811S/SC811T/SC811i-300: 3 x 4cm counter-rotating fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System Overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 16.8"(426mm) x 1.7"(43mm) x 22.6" (574mm) Packing: 24.4" x 7.7" x 27.4"
Rail	Extendable lengths 13.1" to 33.1"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration   ◑ Compatible low-power configuration

Model	Motherboard (Max. 12" x 10")			PCI I/O	Drive	Cooling System	Power	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD							
SC811S-520		●		1 FF	2 SCA	2 x 5000rpm blowers	520W high-efficiency	3	39	28 lbs
SC811S-420		●		1 FF	2 SCA	2 x 5000rpm blowers	420W	2	32	28 lbs
SC811S-410		●		1 FF	2 SCA	2 x 5000rpm blowers	410W DC (24-pin)	2	32	28 lbs
SC811S-300			●	1 FF	2 SCA	3 x 14000rpm fans	300W	2	20	28 lbs
SC811S-280		●		1 FF	2 SCA	2 x 5000rpm blowers	280W high-efficiency	2	23/27	28 lbs
SC811S-260				1 FF	2 SCA	2 x 4200rpm blowers	260W	2	18	27 lbs
SC811TQ-520	●	●		1 FF	2 SAS/SATA w/SES2	2 x 5000rpm blowers	520W high-efficiency	3	39	28 lbs
SC811T-420		●		1 FF	2 SAS/SATA	2 x 5000rpm blowers	420W	2	32	28 lbs
SC811T-410	●	●		1 FF	2 SAS/SATA	2 x 5000rpm blowers	410W DC (24-pin)	2	32	28 lbs
SC811T-300	●		●	1 FF	2 SAS/SATA	3 x 14000rpm fans	300W	2	20	28 lbs
SC811TQ-280	●	●		1 FF	2 SAS/SATA w/SES2	2 x 5000rpm blowers	280W high-efficiency	2	23/27	28 lbs
SC811T-260	●			1 FF	2 SAS/SATA	2 x 4200rpm blowers	260W	2	18	27 lbs
SC811i-520	●	●		1 FF	2 fixed	2 x 5000rpm blowers	520W high-efficiency	3	39	28 lbs
SC811i-420		●		1 FF	2 fixed	2 x 5000rpm blowers	420W	2	32	28 lbs
SC811i-410	●	●		1 FF	2 fixed	2 x 5000rpm blowers	410W DC (24-pin)	2	32	28 lbs
SC811i-300	●		●	1 FF	2 fixed	3 x 14000rpm fans	300W	2	20	28 lbs
SC811i-280	●	●		1 FF	2 fixed	2 x 5000rpm blowers	280W high-efficiency	2	23/27	28 lbs
SC811i-260	●			1 FF	2 fixed	2 x 4200rpm blowers	260W	2	18	27 lbs

SC515-280UB

Front View

Rear View

SC515-280UB

17.2" W

18" D
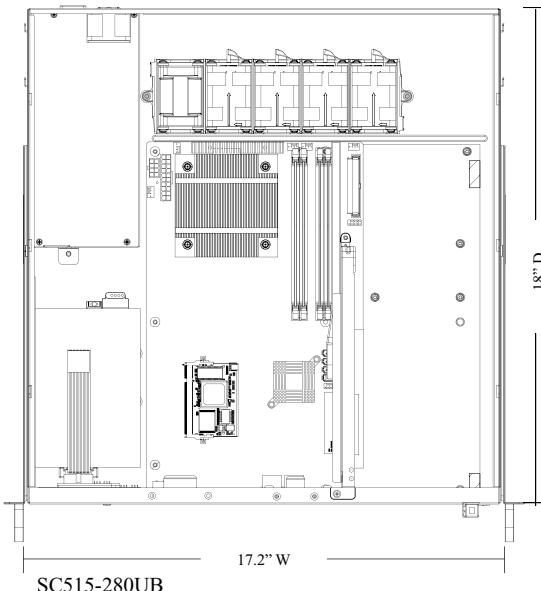
Features

■ Black

✔ 18" short-depth chassis with 2x full-height PCI slots
✔ Front side UIO
✔ 280W high-efficiency power supply
✔ 3 counter-rotating fans with optimal fan speed control & air shroud

Specifications

Form Factor	1U chassis support for max. motherboard size - 12" x 13" UIO MB
CPU support	Single Intel® and AMD processors
Expansion	2x full-height expansion slots
Drive Bays	1x 3.5" fixed HDD or 2 x 2.5" fixed HDDs (optional)
Power Supply	280W high-efficiency power supply
Cooling System	3x 40x56mm counter-rotating fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & fan fail / overheat LED
Front Panel Buttons	Power on/off button, system reset button
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 18" (457mm) Packing: 24" x 8" x 26.7"
Rail	Extendable lengths 25.6" to 33.05"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration   ◑ Compatible low-power configuration

Model	12" x 13" UIO MB			Drive Bays	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
	X7	PD	H8						
SC515-280UB	◑	●	◑	1 Fixed 3.5" HDD	3 x 12000 rpm fans	280W high-efficiency	2	23/27*	30 lbs

FF: Full-height & full-length expansion slot   LP: Low-profile expansion slot

* For input is 180VAC or above.

Optional Kit	Model Part #	Description
HDD Tray	MCP-220-00044-0N	Dual 2.5" fixed HDD tray
Rail Kit	MCP-290-00052-0N-Bulk MCP-290-00056-0N	Quick-release outer rail for square hole rack (bulk pack, 10 sets) Quick-release outer rail for square hole short-depth rack (19"~26.4")

SC513L/F   *14" 1U Optimized Space Efficiency*

Front I/O Access

- Power switch, reset & 5 LED indications
- Keyboard
- Mouse
- USB 2.0
- Serial
- Printer
- VGA
- Gb LAN
- I/O Stickers
- Beige/Black
- PCI expansion slot
- Optional I/O Panel
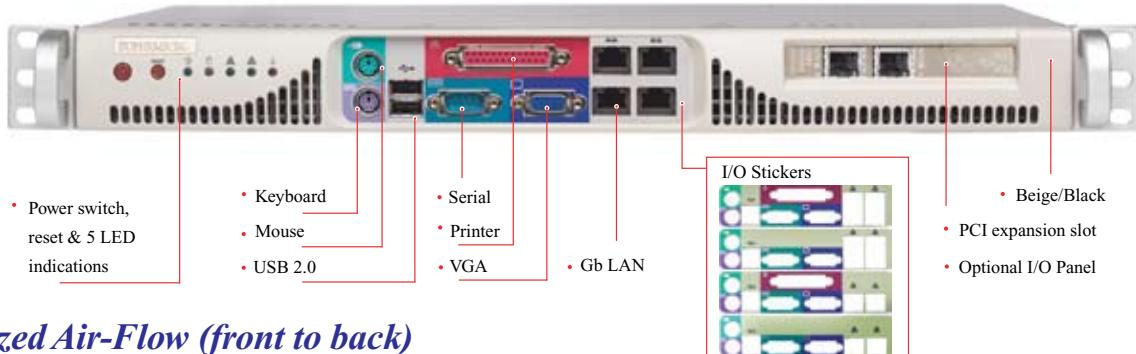
Optimized Air-Flow (front to back)

16.8" W   16.8" W   16.8" W

14" D   14" D   14" D

SC513L-420/410   SC513F-260   SC513L-260
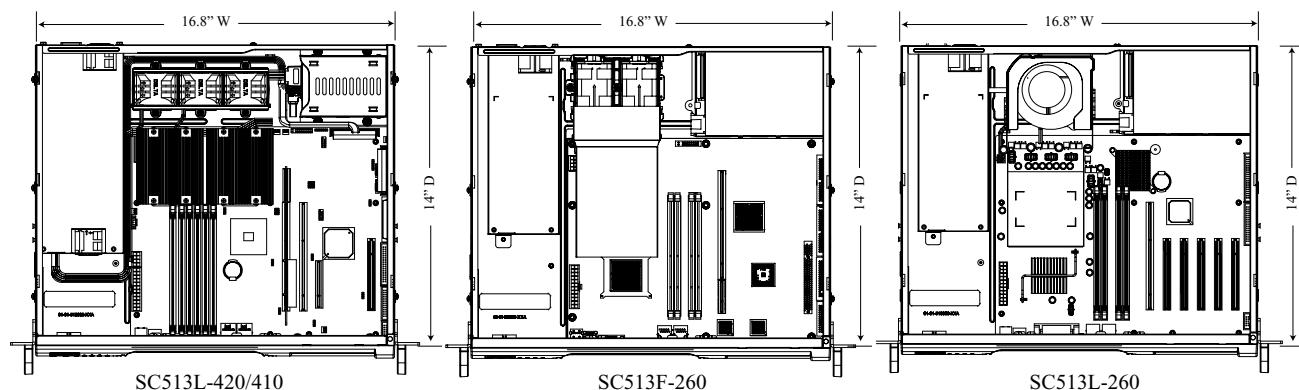
Features

■ Black   ■ Beige

✓ 14" depth small form factor 1U server, dual Xeon® support, front I/O access, full-height expansion

Specifications

Form Factor	14" Mini 1U chassis support for maximum motherboard size: 12" x 10" ATX (SC513L-420/410) / 12" x 9.5" (SC513L-260)
CPU support	Dual and Single Intel® and AMD processors
Expansion	1 full-height half-length expansion slot (with Riser Card)
Drive Bay	SC513L-420/410: 2 x 2.5" fixed; SC513L-260/SC513F-260: 1 x 3.5" fixed or 2 x 2.5" fixed (option)
Cooling System	SC513L-420/410: 3 x 4cm counter-rotating fans; SC513L-260: 1 x 10cm heavy-duty blower; SC513F-260: 2 x 4cm counter-rotating fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & system overheat LED
Front Panel Buttons	Power on/off button & system reset button
Dimension	W x H x D: 16.8" (426mm) x 1.7" (43mm) x 14" (356mm) Packing: 19.5" x 6.9" x 22.4"
Rail (optional)	Extendable lengths 13.1" to 33.1"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◐ Compatible   ● Optimized low-power configuration   ◑ Compatible low-power configuration

Model	MB (Max. 12" x 10")				PCI I/O	Drive	Cooling System	Power		+5VSB	+12V	Gross Weight
	X8	X7	PD+	PD								
SC513L-420	●	●			1 FH	2 x 2.5 fixed	3 x 10000rpm fans	420W		2	32	15 lbs
SC513L-410	●	●			1 FH	2 x 2.5 fixed	3 x 10000rpm fans	410W DC (24-pin)		2	32	15 lbs
SC513L-260	●	●	●		1 FH	1 x 3.5" fixed or 2 x 2.5" option	1 x 5000rpm blower	260W		2	18	14.5 lbs
SC513F-260	●	●	●	●	1 FH	1 x 3.5" fixed or 2 x 2.5" option	2 x 14000rpm fans	260W		2	18	14.5 lbs

Optional Kit	Model Part #	Description
Rail Kit	CSE-PT8L	Rail Kit for 1U SC512, SC513, SC811 Chassis
Hard Drive Kit	CSE-PT73	2.5" Hard Drive Mounting Kit (SC513L-260 & SC513F-260)

SC512F   *14.5" Depth 1U Optimized Space Efficiency*

SC512F-520B

SC512F-520B Rear View

14.5" D

SC512F-520

17.2" W
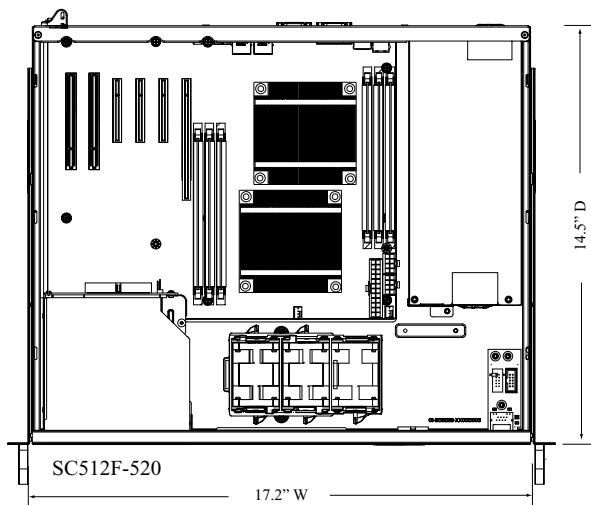
Features

■ Black   ■ Beige

✓ 14.5" depth small form factor 1U server, high performance fans for dual processors motherboard

Specifications

Form Factor	14.5" Mini 1U chassis support for maximum motherboard size: 12" x 10" ATX
CPU Support	Dual and Single Intel® and AMD processors
Expansion	1 full-height & half-length expansion slot (with Riser Card)
Peripheral Bays	SC512F-520: 1 DVD-ROM & 2 USB 2.0 ports SC512F-280: 1 DVD-ROM
Drive Bays	SC512F-520: 1x 3.5" fixed or 1x 2.5" fixed; SC512F-520L: 1x 3.5" fixed or 3x 2.5" fixed SC512F-280: 2x 3.5" fixed or 2x 2.5" fixed
Power Supply	SC512F-520/SC512F-520L: 520W high-efficiency power supply SC512F-280: 280W high-efficiency power supply
Cooling System	SC512F-520/SC512F-520L: 3x 4cm counter-totating fans SC512F-280: 2x 4cm counter-totating fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System Overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 14.5" (369mm) Packing: 19.5"L x 6.9"W x 22.4"H
Rail (optional)	Extendable lengths 25.6" to 33.05"
Temperature	Operating 10° ~ 35°C (50° to 95°F) non-operating -40° ~ +70°C (-40° to 158°F)
Humidity	Operating 8 - 90% non-condensing non-operating 5 - 95% non-condensing

● Optimized   ◐ Compatible   ● Optimized low-power configuration   ◐ Compatible low-power configuration

Model	MB (Max. 12" x 10")		PCI I/O	Drive	USB	DVD-ROM	Cooling System	Power	+5VSB	+12V	Gross Weight
	X8	**X7**									
SC512F-520	●	●	1 FH	1 fixed	2.0	slim	3 x 14000rpm fans	520W high-efficiency	3	39	14 lbs
SC512F-410B	●	●	1 FH	1 fixed	2.0	slim	3 x 14000rpm fans	410W high-efficiency	3	32	14 lbs
SC512F-520L	●	●	1 FH	1 fixed	–	–	3 x 14000rpm fans	520W high-efficiency	3	39	14 lbs
SC512F-280	●	●	1 FH	2 fixed	–	slim	2 x 14000rpm fans	280W high-efficiency	2	23/27*	13 lbs

Optional Kit	Model Part #	Description
Rail Kit	MCP-220-00004-03 MCP-220-00055-0N MCP-220-00052-0N-Bulk MCP-220-00056-0N-Bulk	SC512F-520 chassis rail kit Quick-release rail set for square hole rack (inner and outer) Quick-release outer rail for square hole rack (10 set/pack) Quick-release outer rail for square hole short-depth rack
HDD Tray	MCP-220-00051-0N MCP-220-00044-0N	Single 2.5" fixed HDD bracket Dual 2.5" fixed HDD bracket (without DVD)

* For inputs above 180VAC

SC512/L/F

14" Depth 1U Optimized Space Efficiency

SC512-200B

LCD Front view (SC512L-260-LCD)

Rear view (SC512-200B)

SC512-200B

16.8" W
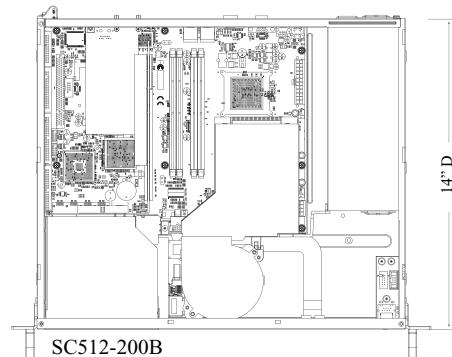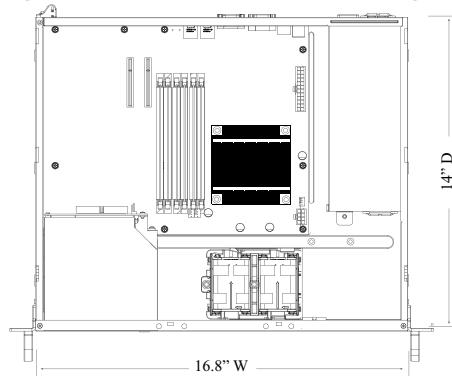
Features

■ Black   ■ Beige

✓ 14" depth small form factor 1U server, heavy duty blower for superior cooling

Specifications

Form Factor	14" Mini 1U chassis support for maximum motherboard size: 12" x 9.6" ATX
CPU support	Single Intel® and AMD processors
Expansion	1 full-height & half-length expansion slot (with Riser Card)
Drive Bays	SC512L/SC512L-260: 2x 3.5" fixed or 3x 2.5" fixed
	SC512-200B/SC512F-260: 1x 3.5" fixed or 3x 2.5" fixed (w/o CD/DVD)
	SC512L-260LCD: 1x 3.5" fixed or 1x 2.5" fixed
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System Overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 16.8" (426mm) x 1.7" (43mm) x 14" (356mm) Packing: 19.5"L x 6.9"W x 22.4"H
Rail (optional)	Extendable lengths 13.1" to 33.1"
Temperature	Operating 10° ~ 35°C (50° to 95°F) non-operating -40° ~ +70°C (-40° to 158°F)
Humidity	Operating 8 - 90% non-condensing non-operating 5 - 95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration   ◗ Compatible low-power configuration

Model	MB (Max. 12" x 9.6")			PCI I/O	Drive	USB	CD-ROM	Cooling System	Power	+5VSB	+12V	Gross Weight
	X8	X7	PD									
SC512-200	●	●	●	1 FH	1 fixed	2.0	Optional	1 x 5,000rpm blower	200W (High Efficiency)	2	16	12.8 lbs
SC512-260	●	●	●	1 FH	1 fixed	2.0	Optional	1 x 5,000rpm blower	260W	2	18	13.2 lbs
SC512L-200	●	●	●	1 FH	2 fixed	_	_	1 x 3800rpm blower	200W	2	15	11 lbs
SC512L-260	●	●	●	1 FH	2 fixed	_	_	1 x 5000rpm blower	260W	2	18	14 lbs
SC512L-260-LCD	●	●	●	1 FH	1 fixed	_	_	1 x 5000rpm blower	260W	2	18	14 lbs
SC512F-260	●	●	●	1 FH	1 fixed	2.0	Slim	2 x 14000rpm fans	260W	2	18	15 lbs

Optional Kit	Model Part #	Description
Rail Kit	CSE-PT8L	Rail kit for 1U SC512, SC513, SC811 Chassis
HDD Tray	MCP-220-00051	Single 2.5" fixed HDD bracket
	MCP-220-00044-0N	Dual 2.5" fixed HDD bracket (without CD/DVD)

SC510/T   *11.3" Depth 1U Optimized Space Efficiency*

SC510-200B

SC510T-200B

SC510 Rear view
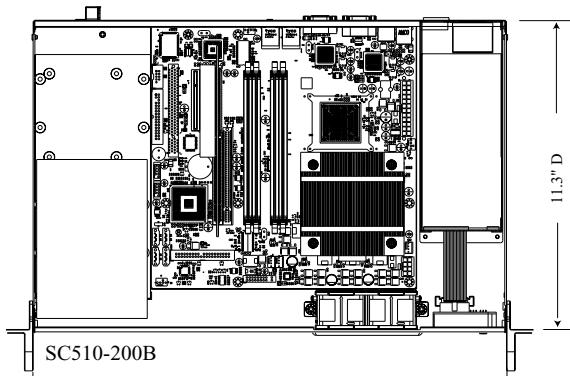
SC510-200B
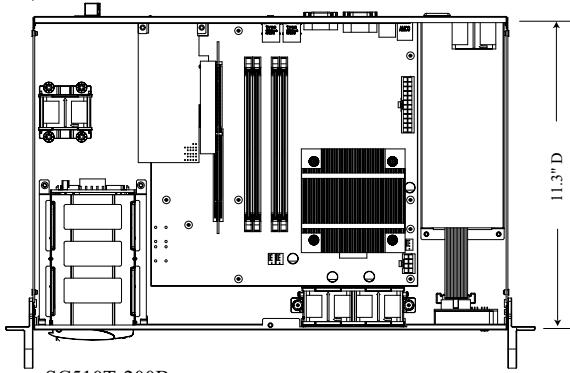
11.3" D
17.2" W

SC510T-200B

11.3" D

Features
■ Black

✓ 11.3" depth small form factor 1U, 200W high-efficiency power supply

Specifications

Form Factor	11.3" Mini 1U chassis support for maximum motherboard size: 9.6" x 9.6" Micro ATX
CPU support	Single 65W maximum Intel® processors
Expansion	SC510: 1 full-height & half-length expansion slot with riser card (optional)
	SC510T: 1 low profile expansion slot (with riser card)
Drive Bays	SC510: 1x 3.5" or up to 4 x 2.5" fixed drives (optional, recommended for 2.5" enterprise SATA/SAS HDD only)
	SC510T: 2x 2.5" hot-swappable drives
Power Supply	200W 80 PLUS® Certified high-efficiency power supply with thermal control fan
Cooling System	SC510: 2x 4cm fan
	SC510T: 3x 4cm fan
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System Overheat LED
Front Panel Buttons	Front Panel Buttons Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 11.3" (287mm) Packing: 25.4" x 6.1" x 19.8"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized low-power configuration

Model	MB (Max. 9.6" x 9.6")		PCI I/O	Drive	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X7	PD							
SC510-200B	●	●	1 FH	1x 3.5" fixed	2 x 8500rpm fan	200W 80 PLUS® Certified high-efficiency	2	16	11 lbs
SC510T-200B	●	●	1 LP	2x hot-swappable 2.5"	3 x 8500rpm fan	200W 80 PLUS® Certified high-efficiency	2	16	12 lbs

Optional Kit	Model Part #	Description
2.5" HDD Bracket	MCP-220-00044-ON	2.5" HDD bracket for 2 x 2.5" HDD (For SC510)
2.5" HDD Bracket	MCP-220-00051-ON	2.5" HDD bracket for 1 x 2.5" HDD (For SC510T)

SC503 *9.8" Depth 1U Optimized Space Efficiency*

SC503-200B

Front view

Rear view

17.2" W

SC503-200B

9.8" D

Features

■ Black

- ✓ 9.8" depth small form factor 1U, fan-less design
- ✓ 200W high-rfficiency power supply

Specifications

Form Factor	9.8" mini 1U chassis support for maximum motherboard size: 9.6" x 9.6" Micro ATX
CPU support	Single 35W maximum Intel® Celeron® 400 series processors
Expansion	Optional 1 full-height & half-length expansion slot (with Riser Card)
Drive Bays	1 x 3.5" or up to 2 x 2.5" fixed drives (optional)
Power Supply	200W 80 PLUS® Certified high-efficiency power supply with thermal control fan
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 9.8" (249mm) Packing: 25.8" x 6.1" x 18.3"
Temperature	Operating: 10° ~ 35° C (50 to 95 F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

Model	PCI I/O	Drive	Front Side I/O Port	Power	+5VSB	+12V	Gross Weight
SC503-200B	1 FH	1 fixed	KB, Mouse, Parallel, 2 USB, VGA, COM, 2 LAN	200W 80 PLUS® Certified high-efficiency	2	16	10 lbs

Optional Kit	Model Part #	Description
Active Heatsink	SNK-P0032A4	1U Active Heatsink for SC502/503
2.5" HDD Bracket	MCP-220-00044-0N	2.5" HDD bracket for 2 x 2.5" HDD
2.5" HDD Bracket	MCP-220-00051-0N	2.5" HDD bracket for 1 x 2.5" HDD

SC502-200B

SC502L-200B

Front view

Rear view

SC502-200B
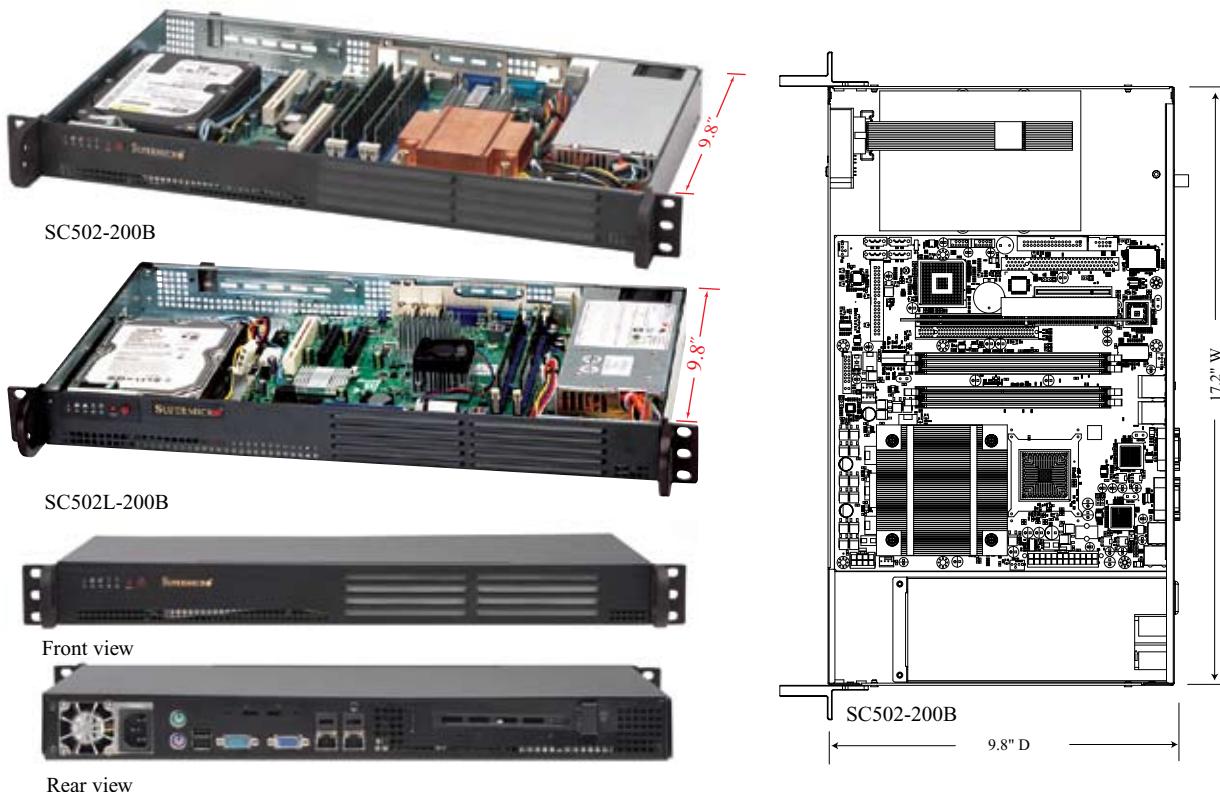
Features
■ Black

✓ 9.8" depth small form factor 1U, fan-less design, 200W High-Efficiency power supply
✓ SC502L-200B: Optimized for Atom solution

Specifications

Form Factor	9.8" mini 1U chassis support for maximum motherboard size: 9.6" x 9.6" Micro ATX
CPU support	SC502-200B: Single 35W maximum Intel® CeleronC502-200B: Single 35W maximum Intel® Celeron 400 seriesprocessors 400 series processors SC502L-200B: Intel® Atom™ processors
Expansion	Optional 1 full-height & half-length expansion slot (with Riser Card)
Drive Bays	1 x 3.5" or up to 2 x 2.5" fixed drives (optional)
Power Supply	SC502-200B: 200W 80 PLUS® Certified high-efficiency power supply with thermal control fan SC502-200B: 200W Super-Quiet power supply
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & System overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 9.8" (249mm) Packing: 25.8" x 6.1" x 18.3"
Temperature	Operating: 10° ~ 35° C (50 to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

Model	PCI I/O	Drive	Power Supply	+5V$_{SB}$	+12V	Weight
SC502-200B	1 FH	1 fixed	200W 80 PLUS® Certified high-efficiency	2	16	10 lbs
SC502L-200B	1 FH	1 fixed	200W Super-Quiet	2	16	10 lbs

Optional Kit	Model Part #	Description
Active Heatsink	SNK-P0032A4	1U Active Heatsink for SC502/503
2.5" HDD Bracket	MCP-220-00044-0N	2.5" HDD bracket for 2 x 2.5" HDD
2.5" HDD Bracket	MCP-220-00051-0N	2.5" HDD bracket for 1 x 2.5" HDD

SC216A/E1/E2 *2U Highly Reliable, Available and Scalable Storage Chassis*

2.5" HDD

SC216E1-R900UB

UIO Rear View

LP Rear View

SC216A-R900UB

24.8" D

17.2" W
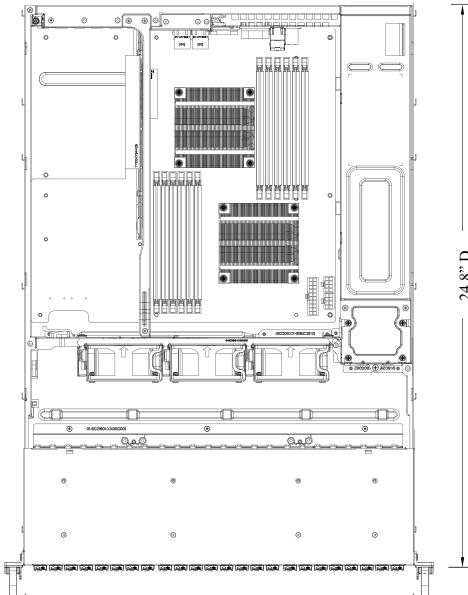
■ Black

Features

✓ 24 hot-swap SAS/SATA HDDs in 2U
✓ Redundant 900W Power Supply, 7 low-profile or UIO solution support (4x FH, 3x LP)
✓ Mini-I-Pass (SFF 8087) connectivity; JBOD or Headunit

Specifications

Form Factor	2U rackmount chassis, support for max. motherboard size: 13.68" x 13", E-ATX, ATX, and UIO motherboard
CPU support	Dual and Single Intel® and AMD processors
Expansion	SC216-R900UB: 4x FH, 3x LP expansion slot SC216-R900LPB: 7x LP expansion slot
Drive Bays	24x hot swap 2.5" SAS/SATA HDD drive bays w/ SES-II support*
Power Supply	Redundant 900W high-efficiency power supply
Cooling System	3x 8cm high-performance PWM fans
Front Panel LEDs	Power LED, HDD activity LED, 2 network activity LEDs, system overheat LED and power failed LED
Front Panel Buttons	Power On/Off button, system reset button
Rail	Extendable lengths 26.5" to 36.4"
Dimensions	WxHxD: 17.2"(437mm) x 3.5"(89mm) x 24.8"(630mm) Packing: 25.8" x 10.1" x 37.8"
Temperature	Operating: 10 ~ 35° C (50 to 95° F) Non operating: -40 ~ 70° C (-40 to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized ◑ Compatible ● Optimized low-power configuration

Model	MB (Max. 13.68" x 13")				PCI I/O	Drive	Power	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD	H8						
SC216A-R900UB	●	●	●	●	4x FH, 3x LP	24 x 2.5" hot-swap SAS/SATA drive bays w/SES-II, 6 iPass connectors	Redundant 900W	4	75	54 lbs
SC216A-R900LPB	●	●	●	●	7x LP	24 x 2.5" hot-swap SAS/SATA drive bays w/SES-II, 6 iPass connectors	Redundant 900W	4	75	53 lbs
SC216E1-R900UB/R900LPB	●	●	●	●	4x FH, 3x LP/ 7x LP	24 x 2.5" hot-swap SAS/SATA drive bays w/SES-II (Single expander w/ IPASS Connector)	Redundant 900W	4	75	57 lbs
SC216E2-R900UB/R900LPB	●	●	●	●	4x FH, 3x LP/ 7x LP	24 x 2.5" hot-swap SAS/SATA drive bays w/SES-II (Dual expanders w/ IPASS Connectors)	Redundant 900W	4	75	57 lbs

Optional Kit	Model Part #	Description
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

FH: Full-height & full-length expansion slot   LP: Low-profile expansion slot

* Full SES-II support is only on SAS motherboard

2.5" HDD

SC213A-R720UB/LPB

SC213A-R720LPB

UIO Rear View

LP Rear View

SC213A-R720LP

24.8" D

17.2" W
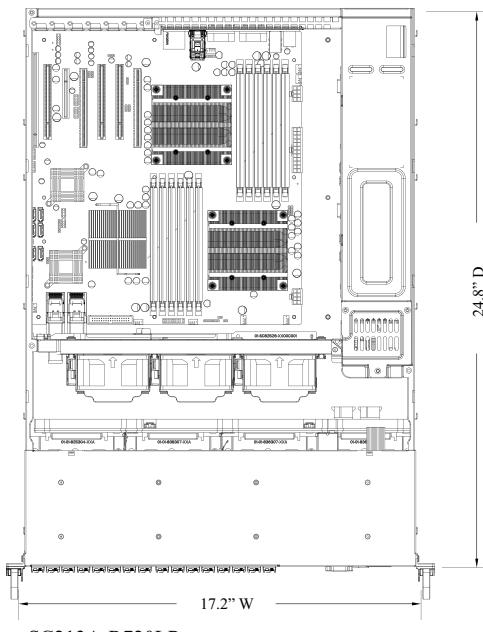
Features

✓ 720W Gold-Level and 900W Redundant High-efficiency Power Supply
✓ 16 hot-swap HDDs with optional DVD-ROM, 5.25" bay
✓ 7 low-profile or UIO solution support (4 x FH, 3 x LP)
✓ Mini-I-Pass connectivity; JBOD or Headunit

Specifications

Form Factor	2U rackmount chassis, support for max. motherboard size-13.68" x 13"; E-ATX, ATX, and UIO motherboard
CPU support	Dual and Single Intel® and AMD processors
Expansion	SC213-R900UB: 4 x FH, 3 x LP expansion slot SC213-R900LPB: 7 x LP expansion slot
Drive Bays	1x 5.25" Drive Bay, 1x slim optional DVD-ROM, 1x slim USB/COM port tray (Optional) 16x hot swap 2.5" SAS/SATA HDD drive bays w/SES-II support*
Power Supply	720W Gold-Level redundant with PMBus and 900W high-efficiency power supply w/ I²C
Cooling System	3x 8cm high-performance PWM fans
Front Panel LEDs	Power LED, HDD activity LED, 2 network activity LEDs, system overheat LED and power failed LED
Front Panel Buttons	Power On/Off button, system reset button
Dimensions	W x H x D: 17.2"(437mm) x 3.5"(89mm) x 24.8"(630mm) Packing: 25.8" x 10.1" x 37.8"
Rail	Extendable lengths 26.5" to 36.4"
Temperature	Operating: 10 ~ 35˚C (50 to 95˚F) Non operating: -40 ~ 70˚C (-40 to 158˚F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration

Model	MB (Max. 13.68" x 13")				PCI I/O	Drive	Power	+5V$_{SB}$	+12V
	X8	X7	PD	H8					
SC213A-R900UB	●	●	●	●	4 x FH, 3 x LP	16 x 2.5" hot-swap SAS/SATA drive bays w/SES-II	Redundant 900W	4	75
SC213A-R900LPB	●	●	●	●	7 x LP	16 x 2.5" hot-swap SAS/SATA drive bays w/SES-II	Redundant 900W	4	75
SC213E1-R900UB	●	●	●	●	4 x FH, 3 x LP	16 x 2.5" hot-swap SAS/SATA drive bays w/SES-II (1 expander for single-port support)	Redundant 900W	4	75
SC213E1-R900LPB	●	●	●	●	7 x LP	16 x 2.5" hot-swap SAS/SATA drive bays w/SES-II (1 expander for single-port support)	Redundant 900W	4	75
SC213A-R720UB	●	●	●	●	4 x FH, 3 x LP	16 x 2.5" hot-swap SAS/SATA drive bays w/SES-II (Single expander w/ IPASS Connector)	Redundant 720W Gold-Level	3	59
SC213A-R720LPB	●	●	●	●	7 x LP	16 x 2.5" hot-swap SAS/SATA drive bays w/SES-II (Dual expanders w/ IPASS Connectors)	Redundant 720W Gold-Level	3	59

Optional Kit	Model Part #	Description
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

FH: Full-height & full-length expansion slot   LP: Low-profile expansion slot
* Full SES-II support is only on SAS motherboard

SC828TQ *2U 7 Low-Profile Expansion Slots*

828TQ-R1200LPB

Rear view

27.9" D

17.2" W
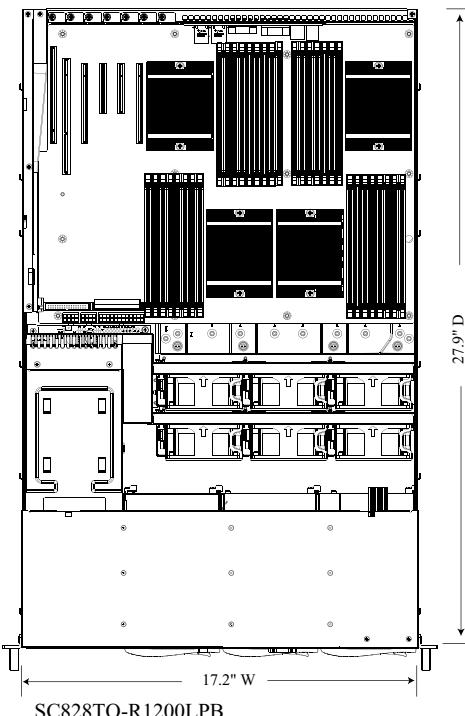
SC828TQ-R1200LPB

Features

■ Black

✓ 7 x low-profile, full-length I/O expansion slots
✓ 1200W/1000W redundant high-efficiency power supply
✓ 6 x 80mm 6500 RPM fans (100% cooling redundancy)

Specifications

Form Factor	2U chassis support for max. motherboard size - 16.4" x 14" E-ATX (Quad-processor motherboards)
CPU support	Quad Intel® and AMD processors
Expansion	7x low-profile full-length expansion slots
Peripheral Drives	1 slim DVD-ROM drive, 2x USB 2.0 ports
Drive Bays	6 x 3.5" SAS / SATA Hot-swap drive trays
Power Supply	1000W/1200W (1 + 1) Redundant high-efficiency power supply w/ PFC
Cooling System	6x 80mm 6500 RPM fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power on/off button & system reset button
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 27.9" (709mm) Packing: 26.7"x 11.4" x 34.5" Palletized Packing: 37.3" x 27" x 14.8" (for R1200 models)
Rail	Extendable lengths of 26" to 36.4"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized

Model	Quad MB			PCI I/O	Drive	Cooling System	Power	+5V$_{SB}$	+12V	Gross Weight
	X7	X6	H8							
828TQ-R1200LPB	●	●	●	7 LP	6x 3.5" hot-swap SAS/SATA drive trays w/ SES-II	6x 80mm 6500 RPM fans	1200W Redundant Power Supply	4	100	55.4 lbs
828TQ-R1000LPB	●	●	●	7 LP	6x 3.5" hot-swap SAS/SATA drive bays w/ SES-II	6x 80mm 6500 RPM fans	1000W Redundant Power Supply	4	83	55.4 lbs

Optional Kit	Model Part #	Description
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

FH: Full-height & full-length expansion slot   LP: Low-profile expansion slot
* Full SES-II support is only on SAS motherboard

SC827T/B   *Four Motherboards in one 2U server*

2U Twin² ™ - Versatile Modular Design support Twin Motherboards

SC827T/B

Rear View

Front View

28.5" D
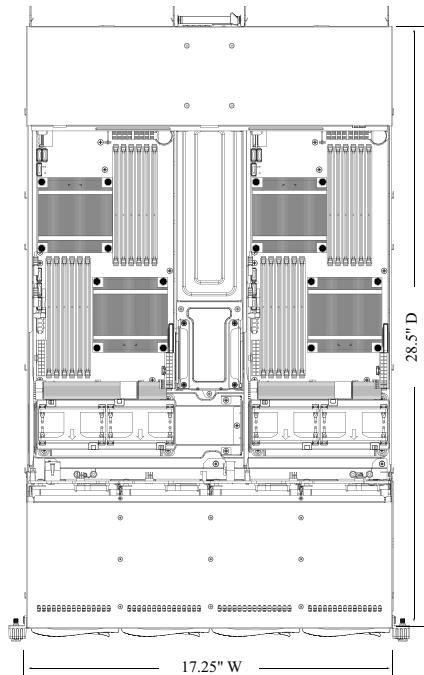
17.25" W

■ Black

Features

✓ 4x swappable motherboard modules in 2U server

✓ 4x front control panel with UID (independent control & fail-monitor for each node)

✓ 12x 3.5" hot-swap SAS/SATA drive trays (3 for each node)

✓ 1200W/1400W (80 Plus Gold-Level) redundant high-efficiency power supply

✓ Quick release rail and bulk pack design

Specifications

Form Factor	2U rackmount chassis (28.5" depth) supports for 4x motherboard (max. motherboard size - 6.5" x 16.64")
CPU support	4x Dual Intel® and AMD processors
Expansion	4x low-profile AOC expansion slots (1x slot per node)
Drive Bays	12x 3.5" SAS / SATA hot-swap HDDs (3x HDDs per node)
Power Supply	1200W/1400W 80 PLUS Gold-Level Certified high efficiency (93%) redundant power supply w/ PMBus support
Cooling System	6x 80mm heavy duty fans with PWM fan speed control
Front Panel LEDs	4x Power status LED; UID LED; Network activity LEDs; System Overheat / Fan Fail / Power Fail LED
Front Panel Buttons	4x Power On/Off button; UID button
Dimensions	W x H x D: 17.25" (438mm) x 3.47" (88mm) x 28.5" (724mm) Packing: 26.38" (670mm) x 11.22" (285mm) x 39.76" (1010mm)
Rail	Quick release rail; Extendable lengths 26.5" to 36.4"
Temperature	Operating: 10˚ ~ 35˚ C (50˚ to 95˚ F) Non-operating: -40˚ ~ 70˚ C (-40˚ to 158˚ F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

Model	MB Hot-Swap	Power	+5V$_{SB}$	+12V	Gross Weight
New! **SC827T-R1200/1400B** (OEM)	No	1200W Gold-Level high-efficiency redundant power supply w/PMBus	4A	83/100A	68 lbs
New! **SC827B-R1200/1400B** (OEM)	Yes	1200W Gold-Level high-efficiency redundant power supply w/PMBus	4A	83/100A	68 lbs

Optional Kit	Model Part #	Description
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

SC826TQ/A/E1/E2-U *2U 4 Full-Height & 3 Low-Profile Expansion Slots*

Highly Reliable, Available and Scalable Storage

SC826A/E1/E2-R1200UB

SC826A-R1200UB

Rear view

25.5" D

17.2" W

SC826E1-R1200UB

■ Black
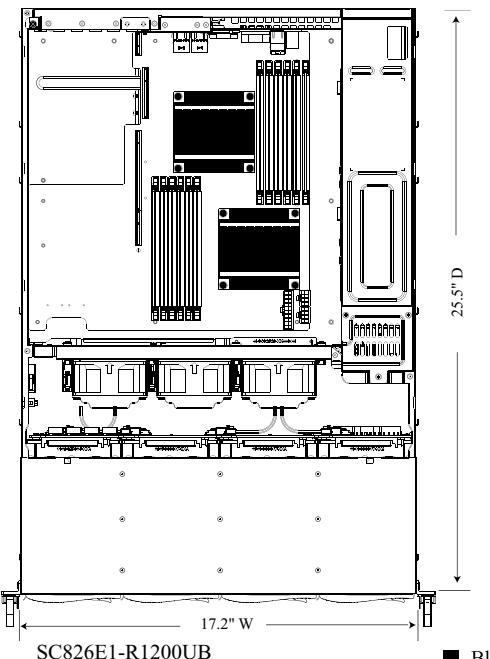
Features

✓ 4 full-height & 3 low-profile PCI/PCI-X/PCI-E expansion slots
✓ 1200W Gold-Level and 800W redundant high-efficiency power (93%*)
✓ Mini-i-Pass (SFF 8087) connectivity on SC826A model
✓ 3 high-performance fans with adjustable air shroud

Specifications

Form Factor	2U chassis support for max. size - 13.68" x 13" UIO motherboard
CPU support	Dual and Single Intel® and AMD processors
Expansion	4 full-height & 3 low-profile expansion slots
Drive Bays	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II support**
Power Supply	1200W Gold-Level w/PMBus and 800W redundant high-efficiency w/ I²C & fan speed control
Cooling System	3 x 8cm hot-swap cooling PWM fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power on/off button & system reset button
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 25.5" (648mm) Packing: 26.7" x 11.4" x 34.5" Palletized Packing: 37.3" x 27" x 14.8" (for R1200 models)
Rail	Extendable lengths of 26.5" x 36.4"
Temperature	Operating: 10° ~ 35°C (50° to 95°F) Non-operating: -40° ~ 70°C (-40° to 158°F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized

Model	UIO MB			PCI I/O	Drive	Cooling System	Power	+5VSB	+12V	Gross Weight
	X8	X7	PD							
New! **SC826A-R1200U**	●	●	●	4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive w/ SES-II	3 x 6300rpm fans	1200W Gold-Level redundant high-efficiency w/I²C & PMBus	4	83/100A	55 lbs
SC826TQ-R800U	●	●	●	4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive w/ SES-II	3 x 6300rpm fans	800W redundant high-efficiency w/I²C	4	83/100A	52 lbs
New! **SC826E1-R1200U**	●	●	●	4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive w/ SES-II (Single expander w/ IPASS connector)	3 x 6300rpm fans	1200W Gold-Level redundant high-efficiency w/I²C & PMBus	4	83/100A	52 lbs
SC826E1-R800U	●	●	●	4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive w/ SES-II (Single expander w/ IPASS connector)	3 x 6300rpm fans	800W redundant high-efficiency w/I²C	4	66	52 lbs
New! **SC826E2-R1200U**	●	●	●	4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive w/ SES-II (Dual expanders w/ IPASS connectors)	3 x 6300rpm fans	1200W Gold-Level redundant high-efficiency w/I²C & PMBus	4	66	52 lbs
SC826E2-R800U	●	●	●	4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive w/ SES-II (Single expander w/ IPASS connector)	3 x 6300rpm fans	800W redundant high-efficiency w/I²C	4	66	52 lbs

| Optional Kit	Model Part #	Description
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

FH: Full-height & full-length expansion slot   LP: Low-profile expansion slot
* Our new generation power supply efficiency measured under a typical loading operations.
** Full SES-II support is only on SAS motherboard

Highly Reliable, Available and Scalable Storage

80 PLUS GOLD

SC826A/E1/E2-R1200LPB

SC826A-R1200LPB

Rear view

SC826A-R1200LPB

25.5" D

17.2" W

■ Black

Features

✓ 1200W Gold-Level and 800W redundant high-efficiency power (93%*)
✓ Mini-i-Pass (SFF 8087) connectivity on SC826A model
✓ 3 high-performance fans with adjustable air shroud
✓ Can be configured as " JBOD or Headunit"

Specifications

Form Factor	2U chassis support for max. motherboard size - 13.68" x 13"; E-ATX and ATX motherboard
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 low-profile expansion slots
Drive Bays	12 x 3.5" hot-swap SAS/SATA drive bays w/ SES-II support**
Power Supply	1200W Gold-Level w/ PMBus and 800W redundant high-efficiency power supply w/ I²C & fan speed control
Cooling System	3 x 8cm hot-swap cooling PWM fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power on/off button & system reset button
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 25.5" (648mm) Packing: 26.7"x 11.4" x 34.5" Palletized Packing: 37.3" x 27" x 14.8" (for R1200 models)
Rail	Extendable lengths of 26.5" to 36.4"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized

Model	UIO MB			PCI I/O	Drive	Cooling System	Power	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD							
SC826A-R1200LPB	●	●	●	7 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II, 3 iPass connectors	3 x 6300rpm fans	1200W Gold-Level redundant high-efficiency w/I²C & PMBus	4	83/100A	55 lbs
SC826E1-R1200LPB	●	●	●	7 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II (Single expander w/ IPASS connector)	3 x 6300rpm fans	1200W Gold-Level redundant high-efficiency w/I²C & PMBus	4	83/100A	55 lbs
SC826E2-R1200LPB	●	●	●	7 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II	3 x 6300rpm fans	1200W Gold-Level redundant high-efficiency w/I²C & PMBus	4	83/100A	55 lbs
SC826TQ-R800LPB	●	●	●	7 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II	3 x 6300rpm fans	800W redundant high-efficiency w/I²C	4	66	52 lbs
SC826E1-R800LPB	●	●	●	7 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II (Single expander w/ IPASS connector)	3 x 6300rpm fans	800W redundant high-efficiency w/I²C	4	66	52 lbs
SC826E2-R800LPB	●	●	●	7 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II (Dual expanders w/ IPASS connectors)	3 x 6300rpm fans	800W redundant high-efficiency w/I²C	4	66	52 lbs

New!
New!
New!

Optional Kit	Model Part #	Description
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

FH: Full-height & full-length expansion slot   LP: Low-profile expansion slot
* Our new generation power supply efficiency measured under a typical loading operations.
** Full SES-II support is only on SAS motherboard

SC825MTQ-R700UB

SC825MTQ-R700UB rear view

17.7" D

17.2" W

SC825MTQ-R700UB
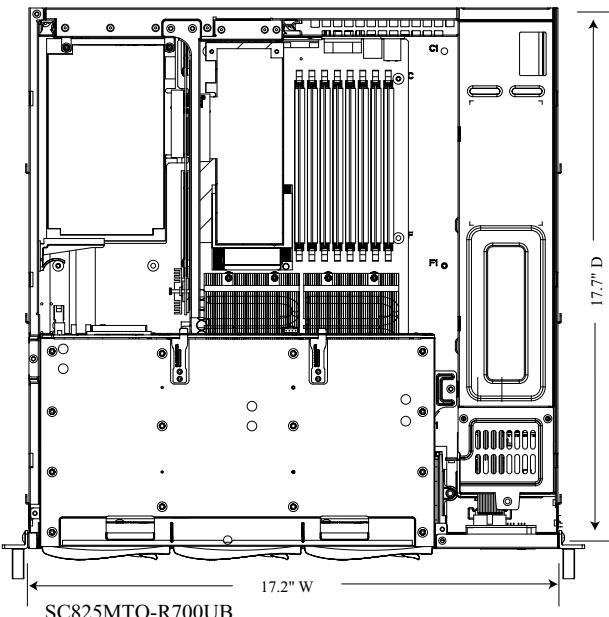
Features

■ Black

✓ 700W redundant power supply with high efficiency power (90% and up*)
✓ Extra compact size and full function chassis

Specifications

Form Factor	2U chassis support for max. motherboard size - 13.68" x 13"; E-ATX and ATX motherboard
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 low-profile expansion slots (SC825MTQ-R700LPB); 4 full-height & 3 low-profile (SC825MTQ-R700UB)
Peripheral Drives	1 slim DVD-ROM drive, 1 COM & 2 USB ports module
Drive Bays	3 x 3.5" hot-swap SAS/SATA drive bays w/SES2
Power Supply	700W (1+1) redundant high-efficiency power supply w/I²C & fan speed control
Cooling System	4 x 40cm high performance counter-rotating PWM fans; 1U height passive heatsink (optional)
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 17.7" (450mm) Packing: 23.8" x 10" x 29.5"
Rail	Extendable lengths of 26.5" to 36.4"
Temperature	Operating: 10 ~ 35˚C (50 to 95˚F) Non operating: -40 ~ 70˚C (-40 to 158˚F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration   ◑ Compatible low-power configuration

Model	MB (Max. 13.68" x 13")			PCI I/O	Drive	Power	+5VSB	+12V	Gross Weight
	X8	X7	PD						
SC825MTQ-R700LPB	●	●	◑	7 LP	3 SAS/SATA w/SES2	700W redundant high-efficiency	4	57	35 lbs
SC825MTQ-R700UB	●	●	◑	4 FH & 3LP	3 SAS/SATA w/SES2	700W redundant high-efficiency	4	57	35 lbs
SC825MS-R700LPB	●	●	◑	7 LP	3 SCSI	700W redundant high-efficiency	4	57	35 lbs

Optional Kit	Model Part #	Description
Short Rail	MCP-220-83601-0B	Floppy dummy tray supports 1x slim 2.5" fixed HDD
	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

* Our new generation power supply efficiency measured under a typical loading operations.

SC825TQ-R720LPB

SC825TQ-R720LPB

Rear view

SC825TQ-R720LP

25.5" D

17.2" W

■ Black   ▒ Silver
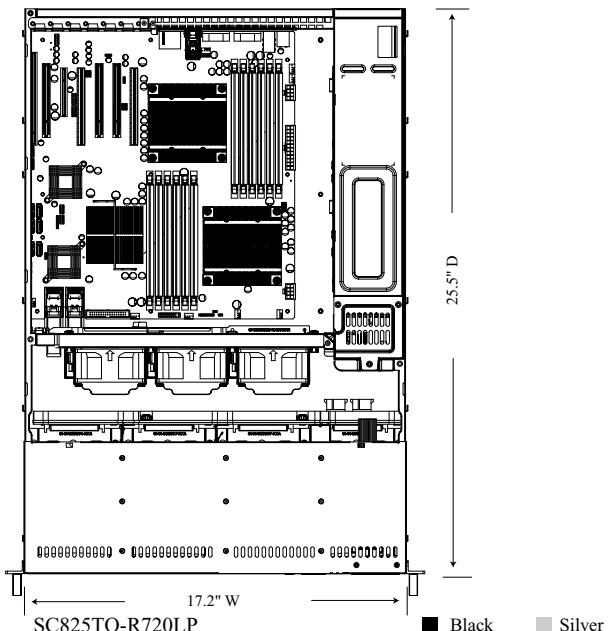
Features

✓ 720W Gold-Level/700W redundant/560W power supply with high efficiency power (92% and up*)
✓ 7 low-profile expansion slots, Redundant power supply with advanced airflow/thermal-control design

Specifications

Form Factor	2U chassis support for max. motherboard size - 13.68" x 13"; E-ATX and ATX motherboard
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 low-profile expansion slots
Peripheral Drives	1 slim DVD-ROM drive, 2 USB 2.0 ports & 2 x 3.5" bays for optional floppy drive or up to 2 fixed hard disk drives
Drive Bays	SC825S1-R700LP: 8 x 3.5" hot-swap Ultra 320 SCSI drive bays (Single Channel) SC825S2-R700LP/560LP: 8 x 3.5" hot-swap Ultra 320 SCSI drive bays (Dual Channel) SC825TQ-R720LP/R700LP/560LP: 8 x 3.5" hot-swap SAS/SATA drive bays w/SES2**
Power Supply	SC825TQ-R720LP: 720W Gold-Level redundant high-efficiency power supply w/ PMBus SC825TQ-R700LP/SC825S1-R700LP/SC825S2-R700LP: 700W (1+1) redundant high-efficiency power supply SC825S2-560LP/SC825TQ-560LP: 560W high-efficiency power supply
Cooling System	3x 8cm 6300rpm hot-swap PWM cooling fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2"(437mm) x 3.5"(89mm) x 25.5" (648mm) Packing: 26.7" x 11.4" x 34.5"
Rail	Extendable lengths 26.5" ~ 36.4"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◐ Compatible   ● Optimized low-power configuration   ◐ Compatible low-power configuration

Model	MB (Max. 13.68" x 13")				PCI I/O	Drive	Power	+5V_SB	+12V	Gross Weight
	X8	X7	X6	PD						
SC825TQ-R720LP	●	●	●	◐	7 LP	8 SAS/SATA	720W Gold-Level redundant high-efficiency w/ PMBus	3	59	52 lbs
SC825S2-R700LP		●	●	◐	7 LP	8 Ultra 320 SCSI (Dual Channel)	700W redundant high-efficiency	4	57	52 lbs
SC825TQ-R700LP	●	●	●	◐	7 LP	8 SAS/SATA	700W redundant high-efficiency	4	57	52 lbs
SC825S2-560LP		●	●	◐	7 LP	8 Ultra 320 SCSI (Dual Channel)	560W high-efficiency	3	43	50 lbs
SC825TQ-560LP	●	●	●	◐	7 LP	8 SAS/SATA w/SES2	560W high-efficiency	3	43	50 lbs
SC825S1-R700LP		●	●	◐	7 LP	8 Ultra 320 SCSI (Single Channel)	700W redundant high-efficiency	4	57	52 lbs

New!

Optional Kit	Model Part #	Description
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

FH: Full-height & full-length expansion slot   LP: Low-profile expansion slot
* Our new generation power supply efficiency measured under a typical loading operations.
** Full SES-II support is only on SAS motherboard

SC825TQ-U   *2U 4 Full-Height & 3 Low-Profile Expansion Slots*

SC825TQ-R720B

SC825TQ-R720UB

Rear view

25.5" D

17.2" W
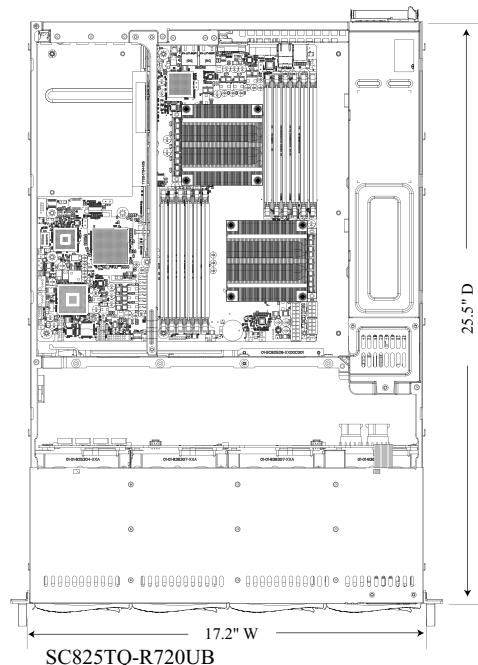
SC825TQ-R720UB

■ Black

Features

✔ 4 full-height PCI/PCI-X/PCI-E & 3 low-profile PCI/PCI-X/PCI-E expansion slots

✔ 720W Gold-Level/700W redundant high-efficiency power (92% and up)

✔ Optimized design for UIO solution

✔ 3 high-performance PWM fans with adjustable air shroud

Specifications

Form Factor	2U chassis support for max 13.68" x 13", UIO motherboard
CPU support	Dual and Single Intel® and AMD processors
Expansion	4 full-height & 3 low-profile expansion slots
Peripheral Drives	1 slim DVD-ROM drive, 1 COM, 2 USB 2.0 ports & 2 x 3.5" bays for optional floppy drive or fixed hard disk drives
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays w/ SES-II support*
Power Supply	SC825TQ-R720U/R700U: 720W Gold-Level w/ PMBus / 700W redundant high-efficiency power supply w/I²C & fan speed control SC825TQ-560U: 560 single high-efficiency power supply w/I²C & fan speed control
Cooling System	3x 8cm hot-swap cooling PWM fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power on/off button & system reset button
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 25.5" (648mm) Packing: 26.7"x 11.4" x 34.5"
Rail	Extendable lengths of 26.5" to 36.4"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● **Optimized**

Model	UIO MB			PCI I/O	Drive	Cooling System	Power	+5VSB	+12V	Gross Weight
	X8	X7	PD							
SC825TQ-R720UB	●	●	●	4 FH & 3 LP	8x hot-swap 3.5" SAS/SATA HDD w/ SES-II	3x 6300rpm fans	720W Gold-Level redundant high-efficiency w/ PMBus	3	58	52 lbs
SC825TQ-R700U	●	●	●	4 FH & 3 LP	8x hot-swap 3.5" SAS/SATA HDD w/ SES-II	3x 6300rpm fans	700W redundant high-efficiency w/I²C	4	57	52 lbs
SC825TQ-560U	●	●	●	4 FH & 3 LP	8x hot-swap 3.5" SAS/SATA HDD w/ SES-II	3x 6300rpm fans	560W high-efficiency power	3	43.6	50 lbs

New!

Optional Kit	Model Part #	Description
Peripheral Drives	FPD-PNSC-02 (01)	Panasonic 3.5" 1.44MB Floppy Drive (01 = Black)
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

FH: Full-height & full-length expansion slot   LP: Low-profile expansion slot

* Full SES-II support is only available on SAS motherboard

SC823MTQ(-U)   *17.7" 2U Front I/O Access*

SC823MTQ-R700LPB

SC823MTQ-R700UB

SC823MTQ-R700LPB rear view

SC823MTQ-R700UB rear view

17.7" D

17.2" W

17.7" D

17.2" W
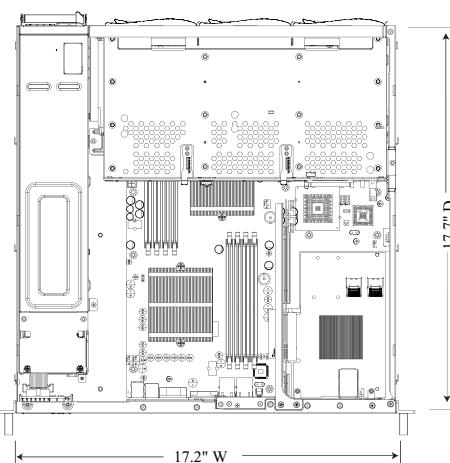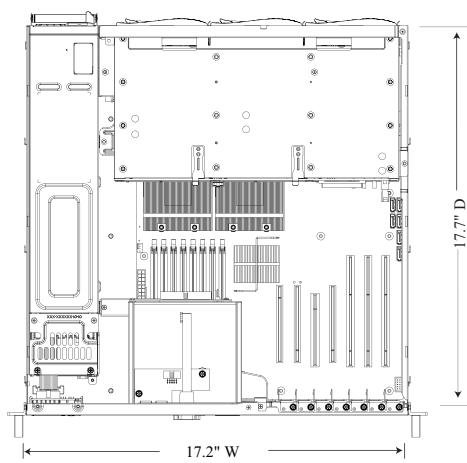
■ Black

Features

✓ 700W redundant power supply with high efficiency power (90% and up)
✓ Redundant power supply with advanced airflow/thermal-control design

Specifications

Form Factor	2U chassis support for max. motherboard size - 13.68" x 13" E-ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 low-profile expansion slots (SC823MTQ-R700LPB), 4 full-height & 3 low-profile (SC823MTQ-R700UB)
Peripheral Drives	1 slim DVD-ROM drive, 1 COM & 2 USB ports module (for SC823MTQ-R700LPB only)
Drive Bays	3 x 3.5" hot-swap SAS/SATA drive bays w/SES2
Power Supply	700W (1+1) redundant high-efficiency power supply w/I²C & fan speed control
Cooling System	4 x 40cm high performance counter-rotating PWM fans; 1U height passive heatsink (optional)
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2"(437mm) x 3.5"(89mm) x 17.7"(450mm) Packing: 23.8" x 10" x 29.5"
Rail	Extendable lengths of 26.5" to 36.4"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◖ Compatible

Model	MB (Max. 13.68" x 13")			PCI I/O	Drive	Power	+5V	+12V	Gross Weight
	X8	X7	PD						
SC823MTQ-R700LPB	●	●	◖	7 LP	3 SAS/SATA w/SES2	700W redundant high-efficiency	4	57	35 lbs
SC823MTQ-R700UB (OEM)	●	●	◖	4 FH & 3LP	3 SAS/SATA w/SES2	700W redundant high-efficiency	4	57	35 lbs

Optional Kit	Model Part #	Description
Short Rail	MCP-290-00058-0N	Ball bearing quick release short rail, from 19"~26.6"

SC823/SC822 *2U Cost-Effective 7 LP Expansion Slots*

SC823TQ-650LP

Rear View (Fits any standard I/O shield)

25.6" D

16.8" W

SC823TQ-650LP   ■ Black   ■ Beige
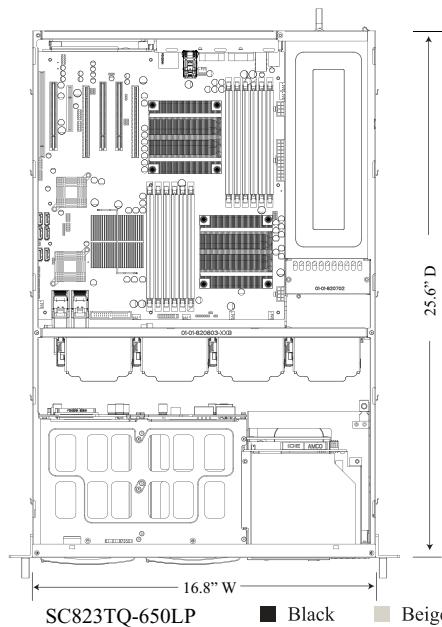
Features

Offers superb benchmark performance and reliability for any rackmount servers, redundant power supply, advanced airflow, and thermal-control design, 7 low-profile expansion slots

Specifications

Form Factor	2U chassis support for max. motherboard size - 12" x 13", E-ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 low-profile expansion slots
Peripheral Drives	1x slim CD-ROM drive (in redundant power supply model) & 1x option FDD
Cooling System	4x 8cm hot-swap redundant cooling fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED (for redundant Power supply only)
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	Chassis: W x H x D: 16.8"(426mm) x 3.5"(89mm) x 25.6" (650mm) Packing: 23.8"x 9.8" x 32.9"
Rail	Extendable lengths 28.25" to 33"
Temperature	Operating: 10 ~ 35˚C (50 to 95˚F) Non operating: -40 ~ 70˚C (-40 to 158˚F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration   ◗ Compatible low-power configuration

Model	MB (max. 12"x13")			Dive	CD/FDD	Cooling System	Power		+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD+								
SC823i- 650LPB	●	●	◗	6 fixed	Slim/Opt.	4x 6300rpm fans	650W		4	54	50 lbs
SC823i -R400LP	●	●	●	6 fixed	Slim/Opt.	4x 3400rpm fans	400W		4	32	50 lbs
SC823S -R500LP		●	◗	6 SCA	Slim/1	4x 6300rpm fans	Redundant 500W w/I²C		2	39	54 lbs
SC823TQ-R500LP	●	●	◗	6 SAS/SATA w/SES2	Slim/1	4x 6300rpm fans	Redundant 500W w/I²C		2	39	54 lbs
SC823T-R500LP	●	●	◗	6 SAS/SATA	Slim/1	4x 6300rpm fans	Redundant 500W w/I²C		2	39	54 lbs
SC823TQ-650LPB	●	●	◗	6 SCA	Slim/1	4x 6300rpm fans	650W		4	54	53 lbs
SC822T-400LPB	●	●	●	6 SCA	Slim/Opt.	4x 3400rpm fans	400W		4	32	49 lbs
SC823S-R500RC	●	●		6 SCA	Slim/1	4x 6300rpm fans	500W Redundant w/I²C		2	39	53 lbs
SC823TQ-R500RC	●	●		6 SAS/SATA w/SES2	Slim/1	4x 6300rpm fans	500W Redundant w/I²C		2	39	53 lbs
SC823T-R500RC	●	●		6 SAS/SATA	Slim/1	4x 6300rpm fans	500W Redundant w/I²C		2	39	53 lbs
SC823i-R500RC	●	●		6 fixed	Slim/1	4x 6300rpm fans	500W Redundant w/I²C		2	39	53 lbs

| Optional Kit	Model Part #	Description
Front USB Kit	CSE-PT29(B)	2-port Front USB Kit (B = Black)
Rear Panel (low-profile)	MCP-240-82306-0N	Single power 7-slot Low-profile Rear Panel for standard I/O shield
Rear Panel (riser card)	CSE-PT22	2U Riser Rear Panel & Riser Carrier; CSE-PT22L (for SC823TQ); CSE-RR2U-X33 (for SC823S)
Riser Card(s)	CSE-RR2UE-AX CSE-RR2U-PS CSE-RR2U-X	3-slot PCI-E to PCI-X Active Riser Card 3-slot PCI-X (SXB) to PCI-X Active Riser Card 2-slot PCI-X to PCI-X Passive Riser Card
Peripheral Drive	CDM-TEAC-24(B) DVM-PNSC-824 (B) FPD-SONY-F(B)	Slim 24x TEAC CD-ROM Drive (B = Black) Slim 8x DVD / 24x CD-ROM Combo Drive (B=Black) 3.5" floppy drive (B=Black)

SUPERMICRO® *Server Building Block Solutions® - June, 2009*

SC523L-520B

Rear view

14.5" D

17.2" W
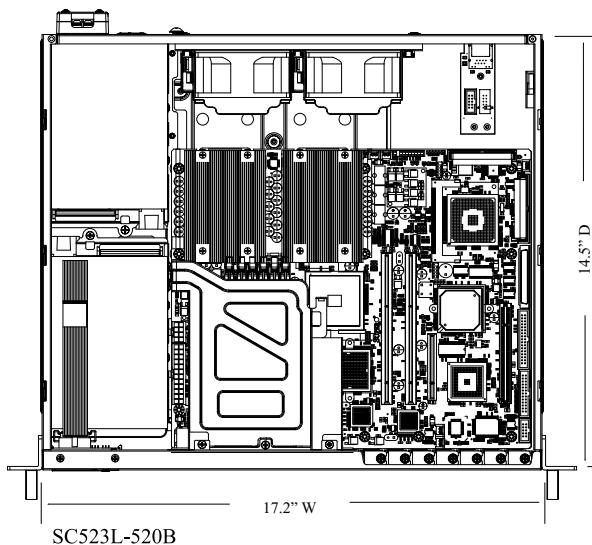
SC523L-520B

Features

■ Black

✓ 520W high-efficiency power supply with high efficiency power (85% and up*), 7 low-profile expansion slots

Specifications

Form Factor	2U chassis support for max. motherboard size - 12" x 10" ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 low-profile expansion slots
Peripheral Drives	1 slim DVD-ROM drive
	2x 3.5" fixed hard drive
Power Supply	SC523L-520B: 520W high-efficiency power supply
	SC523L-410B: 410W DC high-efficiency power supply
Cooling System	2x 8cm hot-swap exhaust fans & air shroud
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 14.5" (369mm) Packing: 23"x 10" x 20"
Rail	Extendable lengths 13.1" to 33.1"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration

| Model	MB (Max. 12" x 10")			PCI I/O	Drive	Power	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD						
SC523L-520B	●	●	◑	7 LP	2 fixed hard drive	520W high-efficiency	4	39	28 lbs
SC523L-410B	●	●	◑	7 LP	2 fixed hard drive	410W DC high-efficiency	4	32	28 lbs

Model	Model Part#	Description
Peripheral Drive	DVM-PNSC-824B	Slim 8x DVD ROM/24x CD-ROM combo drive (B=Black)

* Our new generation power supply efficiency measured under a typical loading operations.

100% Cooling Redundancy, Highly Reliable, Available and Scalable Storage

80 PLUS GOLD

SC936A/E1/E2-R1200B
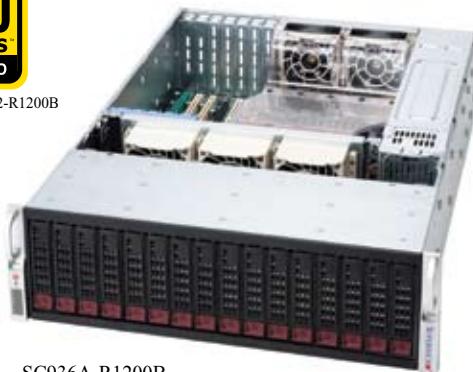
SC936A-R1200B

Rear view

SC936A-R900B

25.5" D

17.2" W
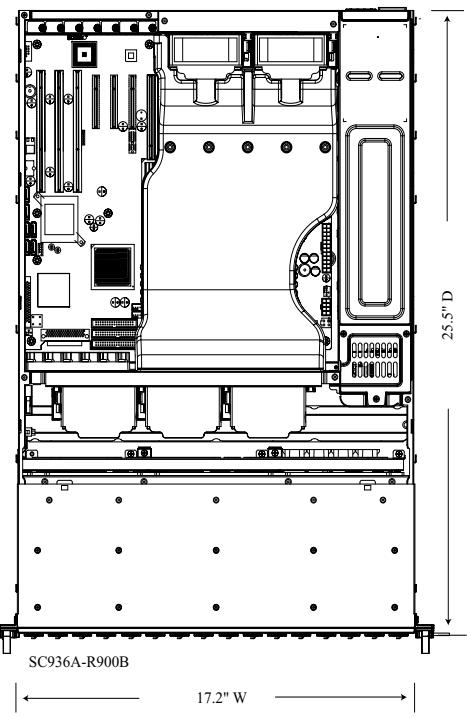
■ Black

Features

✓ 1200W Gold-Level or 900W redundant high-efficiency power supply w/ PMBus
✓ 100% cooling redundancy, 5 hot-plug redundant cooling fans with adjustable air shroud
✓ Superior quality; can be configured as "JBOD or Headunit"

Specifications

Form Factor	3U chassis support for max. motherboard size - 13.68" x 13"; E-ATX and ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 full-height & full-length expansion slots
Drive Bays	SC936A-R1200B/R900B: 16 x 3.5" hot-swap SATA/SAS drive bays with SES2 and Mini-i-Pass (SFF 8087) connectivity
	SC936E2-R1200BR900B: 16 x 3.5" hot-swap SATA/SAS drive bays with SES2 (2 expanders for dual-port support)
	SC936E1-R1200BR900B: 16 x 3.5" hot-swap SATA/SAS drive bays with SES2 (1 expander for single-port support)
Power Supply	1200W Gold-Level/900W (1+1) redundant high-efficiency power supply w/I²C & fan speed control
Cooling System	3 x 8cm hot-swap 4-pin PWM cooling fans, 2 x 8cm exhaust PWM fans & adjustable air shroud
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2"(437mm) x 5.2"(132mm) x 25.5" (648mm) Packing: 26.6" x 13" x 33.9" Palletized Packing: 37.3" x 27" x 16.8" (for R1200 models)
Rail	Extendable lengths 26.5" to 36.4"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration   ◖ Compatible low-power configuration

Model	MB (Max. 13.68" x 13")				Drive	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	X6	PD						
SC936A-R1200B	●	●	●	◑	16 SAS w/SES-II, 4 iPass conn.	5 x 6300rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	80 lbs
SC936A-R900B	●	●	●	◑	16 SAS w/SES-II, 4 iPass conn.	5 x 6300rpm fans	900W redundant high-efficiency	4	75	75 lbs
SC936E2-R1200B	●	●	●	◑	16 SAS w/SES-II (Dual expanders w/ IPASS connectors)	5 x 6300rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	75 lbs
SC936E2-R900B	●	●	●	◑	16 SAS w/SES-II (Dual expanders w/ IPASS connectors)	5 x 6300rpm fans	900W redundant high-efficiency	4	75	75 lbs
SC936E1-R1200B	●	●	●	◑	16 SAS w/SES-II (Single expander w/ IPASS connector)	5 x 6300rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	75 lbs
SC936E1-R900B	●	●	●	◑	16 SAS w/SES-II (Single expander w/ IPASS connector)	5 x 6300rpm fans	900W redundant high-efficiency	4	75	75 lbs

Optional Kit	Model Part #	Description
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

# SC933/SC932 — *3U Storage Chassis with 100% Cooling Redundancy*

100% cooling redundancy

SC933S1-R760

25.5" D

17.7" W
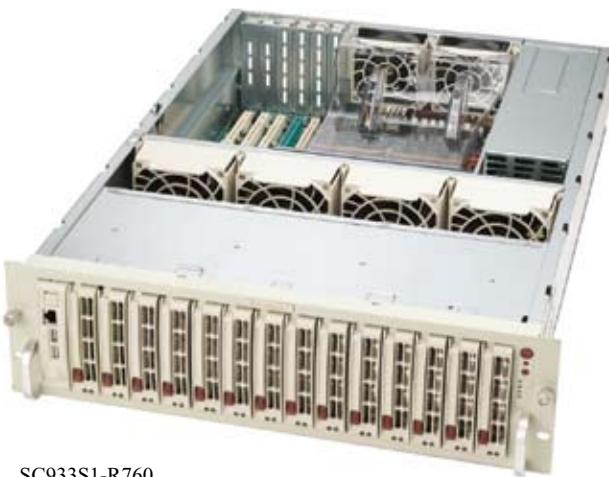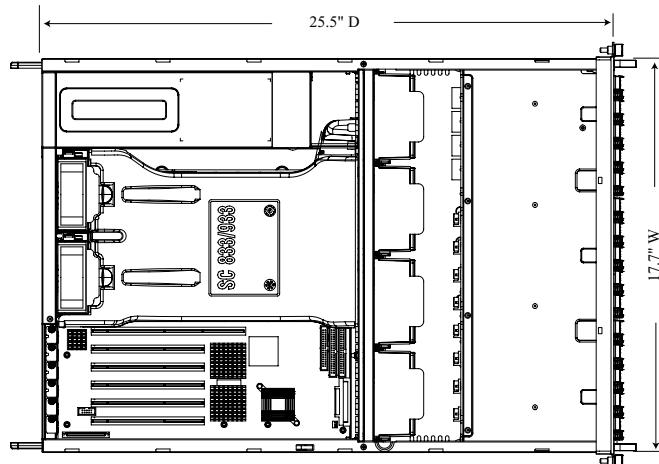
SC933S1-R760

Features

■ Black   ■ Beige

✓ 100% cooling redundancy, supports up to 15 hot-swap SAS/SATA drives
✓ 760W triple redundant power supply & up to 6 hot-plug redundant cooling fans with adjustable air shroud

Specifications

Form Factor	3U chassis support for max. motherboard size - 12" x 13" E-ATX and ATX; For JBOD applications (SC932S1/S2)
CPU support	Dual and Single Intel® and AMD processors
Expansion	6 full-height & full-length expansion slots
Peripheral Drives	SC933S2-R760/SC933S1-R760: front side USB, 1 COM port & 1 x 2.5" SATA hot-swap bay
Drive Bays	SC933S2/SC932S2-R760: 14 x 3.5" dual-channel (7+7) hot-swap SCA drive bays with SAF-TE compliant SC933S1/SC932S1-R760: 14 x 3.5" hot-swap SCA drive bays with SAF-TE compliant SC933T/SC932T-R760: 15 x 3.5" hot-swap SAS/SATA drive bays SC933E2-R760: 15 x 3.5" hot-swap SAS drive bays with SES2 (2 expanders for dual-port support) SC933E1-R760: 15 x 3.5" hot-swap SAS drive bays with SES2 (1 expander for single-port support)
Cooling System	SC933: 4 x 9cm hot-swap 4-pin PWM cooling fans and 2 x 8cm exhaust PWM fans & adjustable air-shroud SC932: 4 x 9cm hot-swap 4-pin PWM cooling fans
Front Panel LEDs	Power LED, network activity LED, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button, system reset button & mute button
Power supply	760W + 380W triple-redundant power supply w/I²C built-in & fan speed control
Dimensions	W x H x D: 17.7" (450mm) x 5.2" (132mm) x 25.5" (648mm) Packing: 26.6" x 13.6" x 34.6"
Rail	Extendable lengths 28" to 33.67"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration   ◗ Compatible low-power configuration

Model	MB (Max. 12" x 13")				Drive	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
	X8	X7	X6	PD						
SC933S2-R760		●	●	◗	14 dual-channel (7+7) SCA w/SAF-TE	6 x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	75 lbs
SC933S1-R760		●	●	◗	14 SCA w/SAF-TE	6 x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	75 lbs
SC933T-R760	●	●	●	◗	15 SAS/SATA	6 x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	75 lbs
SC933E2-R760	●	●	●	◗	15 SAS w/SES2 (for dual-port)	6 x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	75 lbs
SC933E1-R760	●	●	●	◗	15 SAS w/SES2 (for single-port)	6 x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	75 lbs
SC932S2-R760		●	●	◗	14 dual-channel (7+7) SCA w/SAF-TE	4 x 3500rpm fans	760W+380W triple-redundant w/I²C	3.5	50	72 lbs
SC932S1-R760		●	●	◗	14 SCA w/SAF-TE	4 x 3500rpm fans	760W+380W triple-redundant w/I²C	3.5	50	72 lbs
SC932T-R760	●	●	●	◗	15 SAS/SATA	4 x 3500rpm fans	760W+380W triple-redundant w/I²C	3.5	50	72 lbs

Optional Kit	Model Part #	Description
Control Board	CSE-PTJBOD-CB1	JBOD Storage Power-up Control Board

SC836A/E1/E2/S2/TQ *3U Chassis with 100% Cooling Redundancy*

100% Cooling Redundancy, Highly Reliable, Available and Scalable Storage

SC836A/E1/E2-R1200B

SC836TQ-R1200

25.5" D

17.2" W

SC836TQ-R800
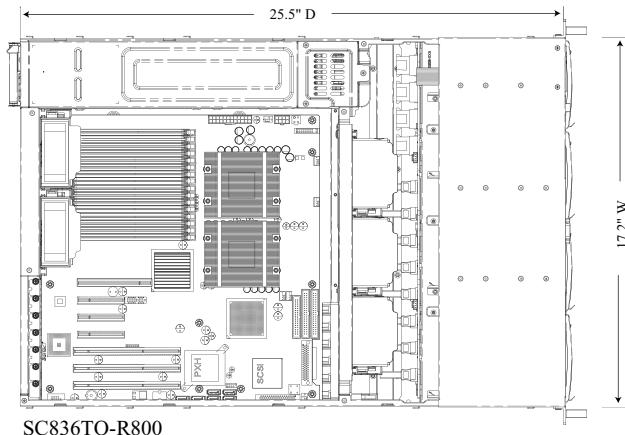
Features

■ Black ▢ Silver

✓ 1200W Gold-Level/800W redundant power supply with high efficiency power (93%*)
✓ 100% cooling redundancy, 5 hot-plug redundant cooling fans and adjustable air shroud
✓ Can be configured as "JBOD or Headunit"

Specifications

Form Factor	3U chassis support for max. motherboard size - 13.68" x 13", E-ATX and ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 full-height & full-length expansion slots
Peripheral Drives	1 slim DVD-ROM drive, 2 USB 2.0 ports & 1 optional slim FDD, 2x fixed slim HDD
Drive Bays	SC836A-R1200B: 16 x 3.5" hot-swap SAS/SATA drive bays with SES2 & Mini-i-Pass (SFF 8087) connectivity SC836TQ-R800: 16 x 3.5" hot-swap SAS/SATA drive bays with SES2 SC836E2-R1200B/R800: 16 x 3.5" hot-swap SAS drive bays with SES2 (2 expanders for dual-port support) SC836E1-R1200B/R800: 16 x 3.5" hot-swap SAS drive bays with SES2 (1 expander for single-port support) SC836S2-R800: 16 x 3.5" dual-channel (8+8) hot-swap SCA drive bays with SAF-TE compliance
Power Supply	1200W Gold-Level w/PMBus/800W (1+1) redundant high-efficiency power supply w/I²C & fan speed control
Cooling System	3 x 8cm hot-swap cooling fans, 2 x 8cm exhaust fans & air shroud
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.2"(437mm) x 5.2"(132mm) x 25.5" (648mm) Packing: 26.6" x 13" x 33.9" Palletized Packing: 37.3" x 16.8" x 27"
Rail	Extendable lengths 26.5" to 36.4"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◖ Compatible   ● Optimized low-power configuration   ◖ Compatible low-power configuration

Model	MB (Max. 13.68" x 13")			Drive	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
	X8	X7	PD						
New! SC836A-R1200B	●	●	◖	16 SAS/SATA w/SES2	5 x 6300rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	75 lbs
New! SC836E1-R1200B	●	●	◖	16 SAS/SATA w/SES2 (Single expander w/ IPASS connector)	5 x 6300rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	75 lbs
New! SC836E2-R1200B	●	●	◖	16 SAS w/SES2 (Dual expanders w/ IPASS connectors)	5 x 6300rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	75 lbs
SC836TQ-R800	●	●	◖	16 SAS/SATA w/SES2	5 x 6300rpm fans	800W redundant high-efficiency	4	66	70 lbs
SC836E2-R800	●	●	◖	16 SAS w/SES2 (Dual expanders w/ IPASS connectors)	5 x 6300rpm fans	800W redundant high-efficiency	4	66	70 lbs
SC836E1-R800	●	●	◖	16 SAS w/SES2 (Single expander w/ IPASS connector)	5 x 6300rpm fans	800W redundant high-efficiency	4	66	70 lbs
SC836S2-R800	●	●	◖	16 dual-channel (8+8) SCA w/SAF-TE	5 x 6300rpm fans	800W redundant high-efficiency	4	66	70 lbs

Optional Kit	Model Part #	Description
Peripheral Drives	FPD-TEAC-SB	Panasonic 3.5" 1.44MB Floppy Drive (Black color)
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")
HDD Tray	MCP-220-83601-0B	Floppy dummy tray supports 1x slim 2.5 fixed HDD
	MCP-220-00023-01	USB dummy tray supports 1x slim 2.5 fixed HDD

SC835TQ   *3U Chassis with 100% Cooling Redundancy*

100% cooling redundancy

SC835TQ-720B

SC835TQ-800B

Rear view

25.5" D

17.2" W

SC835TQ-800B
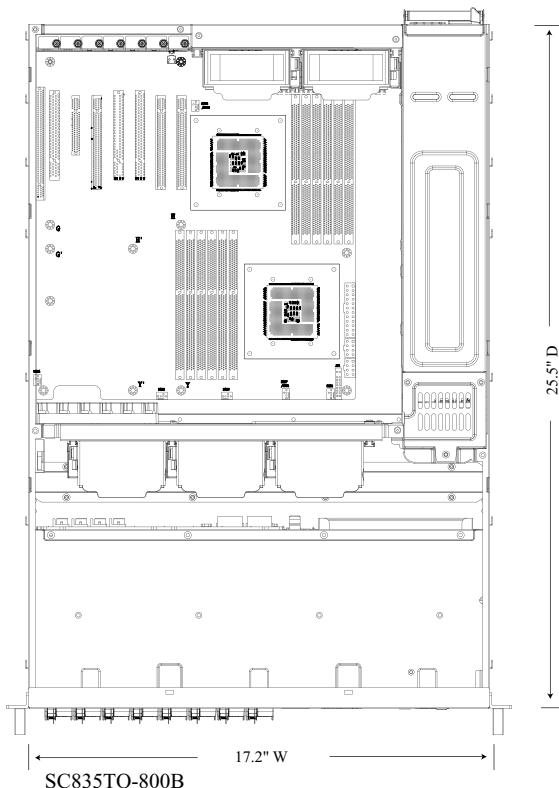
Features

■ Black

✓ 800W redundant power supply, supports up to 8 hot-swap SCA/SATA drives
✓ 100% cooling redundancy, 5 hot-plug redundant cooling fans, and adjustable air shroud

Specifications

Form Factor	3U chassis support for max. motherboard size - 13.68" x 13"
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 full-height & full-length expansion slots
Peripheral Drives	1x Slim DVD-ROM Drive
Drive Bays	8 x 3.5" hot-swap SAS/SATA drive bays with SGPIO & 2 x 5.25" drive bays
Cooling System	5 x 8cm hot-swap cooling fans & adjustable air-shroud
Front Panel LEDs	Power LED, network activity LED, system overheat LED & power fail LED
Front Panel Buttons	Power on/off button, system reset button & mute button
Power supply	800W (1+1) redundant power supply w/ I²C built-in & fan speed control
Dimensions	W x H x D: 17.2" (437mm) x 5.2" (132mm) x 25.5" (648mm) Packing: 26.6" x 13" x 33.9"
Rail	Extendable lengths of 26.5" to 36.4"
Temperature	Operating: 10º ~ 35º C (50º to 95º F) Non-operating: -40º ~ 70º C (-40º to 158º F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized   ◐ Compatible   ● Optimized low-power configuration   ◐ Compatible low-power configuration

New!

Model	MB (Max. 13.68" x 13")			Drive	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
	X8	X7	PD						
SC835TQ-720B	●	●	◐	8 SAS/SATA with SES2	5 x 8 fans	720W Gold-Level w/ PMBus	4	66	75 lbs
SC835TQ-R800B	●	●	◐	8 SAS/SATA with SES2	5 x 8 fans	800W redundant w/I²C	4	66	75 lbs

Optional Kit	Model Part #	Description
Rail	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")

100% cooling redundancy

SC833T-650

25.5" D

SC833T-650

17.7" W
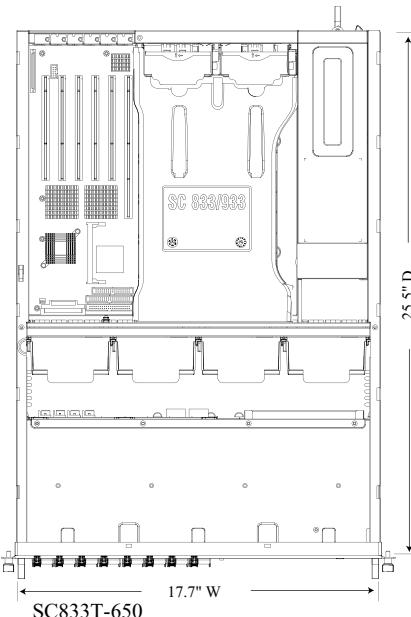
■ Black   ▩ Beige

Features

✓ 760W triple redundant or 650 high efficiency power supply, support up to 8 hot-swap drives

✓ 100% cooling redundancy, 6 hot-plug PWM redundant cooling fans, and adjustable air shroud

Specifications

Form Factor	3U chassis support for max. motherboard size - 12" x 13" E-ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	6 full-height & full-length expansion slots
Peripheral Drives	1x 3.5" device bay & optional 1 slim CD-ROM drive
Drive Bays	SC833S2-R760/650: 8 x 3.5" dual-channel (4 + 4) hot-swap SCA drive bays w/SAF-TE compliant & 2 x 5.25" drive bays
	SC833S-R760/650: 8 x 3.5" hot-swap SCA drive bays w/SAF-TE compliant & 2 x 5.25" drive bays
	SC833T-R760 & SC833T-650: 8 x 3.5" hot-swap SAS/SATA drive bays & 2 x 5.25" drive bays
Cooling System	4 x 9cm hot-swap cooling fans, 2 x 8cm exhaust fans & air shroud
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED (redundant only)
Front Panel Buttons	Power On/Off button, System Reset button & Mute button
Dimensions	W x H x D: 17.7" (450mm) x 5.2" (132mm) x 25.5" (647mm) Packing: 26.6" x 13.6" x 34.6"
Rail	Extendable lengths 28" to 33.67"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◐ Compatible   ● Optimized low-power configuration   ◑ Compatible low-power configuration

Model	MB (Max. 12" x 13")			Drive	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD						
SC833S2-R760		●	◑	8 dual-channel (4+4) SCA w/SAF-TE	6 x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	72 lbs
SC833S-R760		●	◑	8 SCA w/SAF-TE	6 x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	72 lbs
SC833T-R760	●	●	◑	8 SAS/SATA	6 x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	72 lbs
SC833S2-650		●	◑	8 dual-channel (4+4) SCA w/SAF-TE	6 x 5000rpm fans	650W 80 PLUS® Certified	4	54	67 lbs
SC833S-650		●	◑	8 SCA w/SAF-TE	6 x 5000rpm fans	650W 80 PLUS® Certified	4	54	67 lbs
SC833T-650	●	●	◑	8 SAS/SATA	6 x 5000rpm fans	650W 80 PLUS® Certified	4	54	69 lbs

Optional Kit	Model Part #	Description
Front USB Kit	CSE-PT29(B)	2-Ports Front USB Kit (B=Black)
Peripheral Drives	CDM-TEAC-24(B)	Slim 24x TEAC CD-ROM Drive
	DVM-PNSC-824(B)	Slim 8x DVD ROM/24x CD-ROM Combo Drive (B= Black)

# SC832T/S   *3U Form Factor Support Full-Size Slots*

SC832T-650

Rear view

25.5" D

17.7" W

SC832T-650
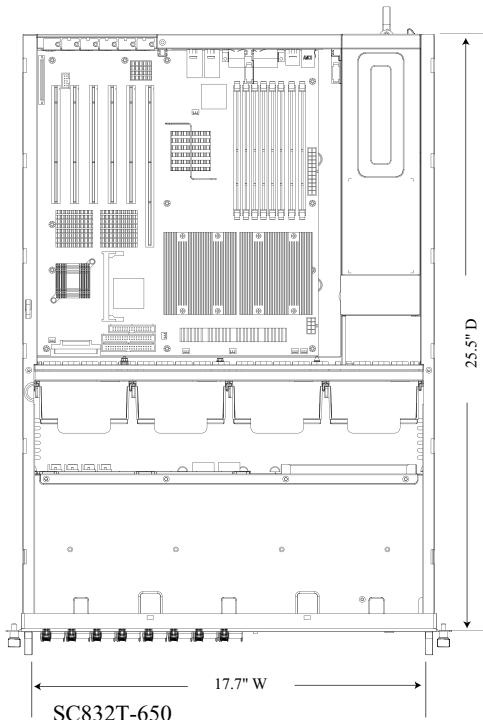
Features

■ Black   ■ Beige

✓ 3U form factor supports full-size slots

✓ 760W triple redundant power & 4 hot-swap heavy-duty fans, support up to 8 hot-swap drives

Specifications

Form Factor	3U chassis support for max. motherboard size - 12" x 13" E-ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	6 PCI expansion slots
Peripheral Drives	1x 3.5" device bay & optional 1 slim CD-ROM drive
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays & 2 x 5.25" drive bays
Cooling System	4x 9cm hot-swap cooling fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED (redundant only)
Front Panel Buttons	Power On/Off button, System Reset button & NMI switch
Dimensions	Chassis: W x H x D: 17.7" (450mm) x 5.2" (132mm) x 25.5" (648mm) Packing: 26.6" x 13.6" x 34.6"
Rail	Extendable lengths 28" to 33.67"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized   ◐ Compatible   ● Optimized low-power configuration   ◐ Compatible low-power configuration

Model	MB (Max. 12" x 13")			Drive	Cooling System	Power Supply	+5V_SB	+12V	Gross Weight
	X8	X7	PD						
SC832T-650	●	◐	◐	8 SAS/SATA	4x 4300rpm fans	650W 80 PLUS® Certified high-efficiency power supply	4	54	67 lbs
SC832T-R760	●	◐	◐	8 SAS/SATA	4x 4300rpm fans	760W Triple-Redundant Power Supply	3.5	50	67 lbs
SC832T-650	●	◐	◐	8 SAS/SATA	4x 4300rpm fans	650W Power Supply	4	54	67 lbs
SC832S-R760		◐	◐	8 SAS/SATA	4x 4300rpm fans	760W Triple-Redundant Power Supply	3.5	50	67 lbs

Optional Kit	Model Part #	Description
Front USB Kit	CSE-PT29(B)	2-Ports Front USB Kit (B=Black)
Peripheral Drives	CDM-TEAC-24(B)	Slim 24x TEAC CD-ROM Drive (B=Black)
	DVM-PNSC-824(B)	Slim 8x DVD / 24x CD-ROM Combo Drive (B = Black)

SC733T/TQ/i/E *Mid-Tower Workstation Chassis*

27dB Whisper-Quiet

80 PLUS BRONZE

SC733TQ-665B

SC733TQ-665B

20.9" D

16.8" H
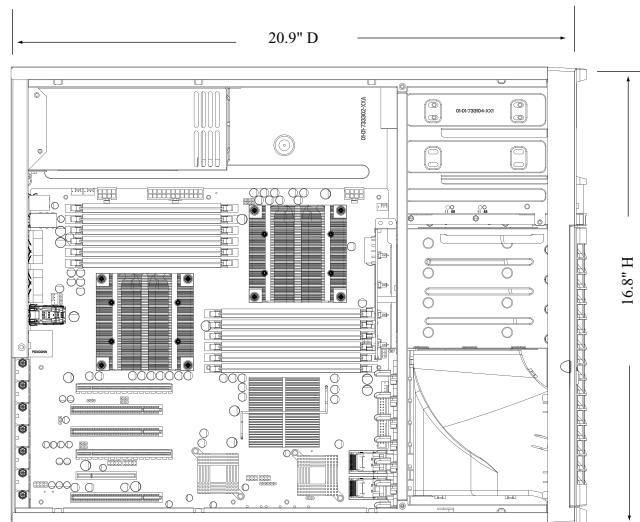
SC733TQ-665B

Features

■ Black   ■ Beige

✓ 4 hot-swap drives support, 7 expansion slots
✓ 665W (80 PLUS®, Bronze-Level) and 645W/465W high-efficiency power supply w/low-noise fan speed control

Specifications

Form Factor	Mid-tower chassis support for max. motherboard size - 12" x 13" E-ATX
CPU support	Single Intel® and AMD processors
Expansion	7 expansion slots
Peripheral Drives	2 front USB ports & 1x 3.5" device bay
Drive Bays	SC733T-645/465/450 & SC733TQ-645/465: 4x 3.5" hot-swap SAS/SATA drive bays with SES2* & 2x 5.25" drive bays
	SC733i-645/465/450 & SC733E-465: 4 x 3.5" fixed & 2 x 5.25" drive bays
Cooling System	SC733T/i-645: 1x 12cm & 1 x 9cm 4-wire Pulse Width Modulated (PWM) fans
	SC733T/i-450: 1x 12cm exhaust thermal fan & 1 x 9cm cooling thermal fan
	SC733TQ/T/i-465: 1x 9cm cooling thermal fan
Dimensions	W x H x D: 16.8" (427mm) x 7" (178mm) x 20.9" (531mm) Packing: 24.2" x 12.8" x 26.4"
Front Panel LEDs	Power LED, hard drive activity LED, network activity LEDs & system overheat LED
Front Panel Buttons	Power On/Off button & System Reset button
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration   ◑ Compatible low-power configuration

Model	Motherboard (Max. 12" x 13")								Drive	Cooling System	Power Supply	Gross Weight
	C7	C2	X8	X7	X6	X5	PD+	PD				
SC733TQ-665B	●	●	●	●	●	◑	●	●	4 SAS/SATA w/SES2	1x 12cm & 1x 9cm fans	665W Bronze-Level w/low-noise fan speed control	40 lbs
SC733T/TQ*-645	●	●	●	●	●	◑	●	●	4 SAS/SATA w/SES2	1x 12cm & 1x 9cm fans	645W w/low-noise fan speed control	40 lbs
SC733i-645	●	●	●	●	●	◑	●	●	4 fixed	1x 12cm & 1x 9cm fans	645W w/low-noise fan speed control	40 lbs
SC733T-450	●	●	●	●	●	●	●	●	4 SAS/SATA	1x 12cm & 1x 9cm fans	450W w/low-noise redundant cooling	37 lbs
SC733i-450	●	●	●	●	●	●	●	●	4 fixed	1x 12cm & 1x 9cm fans	450W w/low-noise redundant cooling	37 lbs
SC733T/TQ*-465B	●	●	●	●	●	●	●	●	4 SAS/SATA w/SES2	1x 9cm fan	465W 80 PLUS® Certified high-efficiency, low-noise	37 lbs
SC733i-465B	●	●	●	●	●	●	●	●	4 fixed	1x 9cm fan	465W 80 PLUS® Certified high-efficiency, low-noise	39 lbs
SC733E-465B	●	●	●	●	●	●	●	●	4 fixed	No chassis fan	465W 80 PLUS® Certified high-efficiency, low-noise	39 lbs

* SES2 supports for SC733TQ-645 chassis only

SC731i/D   *The Best Performance/High-Quality Mini-Tower*

Tool-less designs enable quick-and-easy installation

SC731i/D-300B

SC731i-300B

SC731i-300B

16.75" D

14.25" H
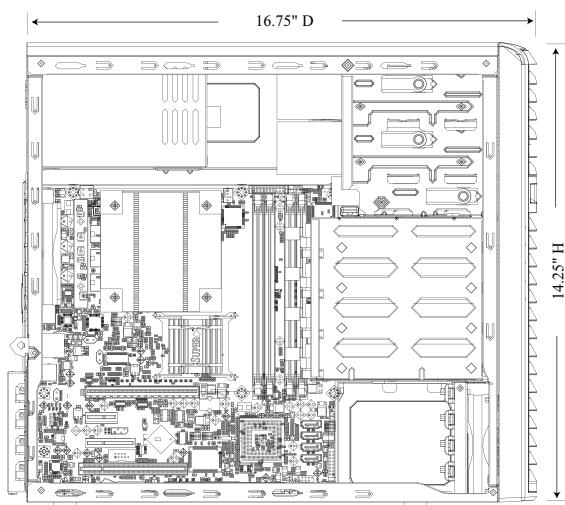
Features
■ Black

✓ 300W Bronze-Level certified high-efficiency power supply
✓ 2x 5.25" external, 4x 3.5" internal, & 1x OEM optional 3.5" external drive
✓ Rear 9cm PWM fan w/ tool-less design and 1x optional front exhaust 8cm fan
✓ Quick-and-easy design for installation: tool-less side panels, drive bays
✓ HDD cage turns 90º and stamped motherboard support (no standoffs required)
✓ Whisper-Quiet, 25dB

Specifications

Form Factor	Mini-tower chassis supports Micro-ATX motherboard, size 9.6" x 9.6"
CPU support	Single Intel® and AMD processors
Expansion	4x full-height, full-length I/O expansion slots
Peripheral Drives	2x standard 5.25" bays; 4x 3.5" fixed drive bays (tool-less)
	2 front USB ports
	Card reader (SC731D)
Cooling System	1x rear 9cm PWM fan w/ tooless design; 1x optional front 8cm cooling fan
Dimensions	W x H x D: 14.25" (363mm) x 7.25" (183mm) x 16.75" (425mm)
Front Panel LEDs	Power status LED; Hard drive activity LED; Network activity LED; System thermal LED
Front Panel Buttons	Blue On/Off LED power switch
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◖ Compatible   ● Optimized low-power configuration   ◖ Compatible low-power configuration

Model	Motherboard (Max. 9.6" x 9.6")					Drive	Cooling System	Power Supply	Gross Weight
	C7	C2	X8	X7	PD				
SC731i-300B	●	●	●	●	●	4 SAS/SATA	1x9cm PWM fans	300W 80 PLUS® Bronze Level w/low-noise smart thermal control fan	20 lbs
SC731D-300B	●	●	●	●	●	4 SAS/SATA	1x9cm PWM fans	300W 80 PLUS® Bronze Level w/low-noise smart thermal control fan	20 lbs
SC731i-400B (OEM)	●	●	●	●	●	4 SAS/SATA	1x9cm PWM fans	400W w/low-noise smart thermal control fan	20 lbs
SC731D-400B (OEM)	●	●	●	●	●	4 SAS/SATA	1x9cm PWM fans	400W w/low-noise smart thermal control fan	20 lbs

SC942S/i *4U/Tower Rackmount High-End Server Chassis*

SC942i-R760

D: 23.8"

W: 17.8"
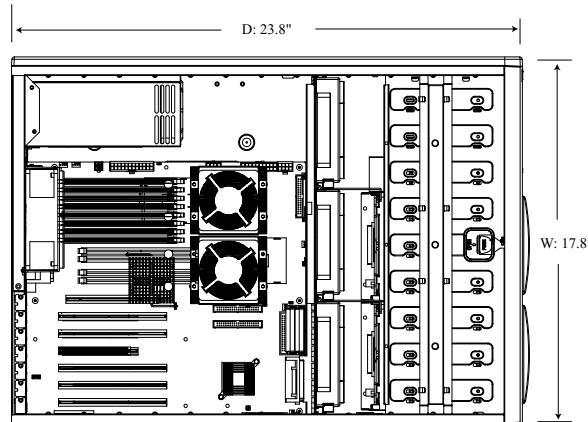
SC942i-R760

■ Black ■ Beige

Features

Up to 15 hot-swap drive bays, 7 expansion slots, and 760W triple-redundant power supply

Specifications

Form Factor	4U chassis support for max. motherboard size - 12" x 13" E-ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 full-height & full-length expansion slots
Peripheral Drives	2 front USB ports (for SC942i only)
Drive Bays	SC942S-600: 10 x 3.5" SCA hot-swap drive bays with SAF-TE compliant (up to 15 x 3.5") & 3 x 5.25" drive bays
	SC942i-R760/550/600: 9 x 5.25" drive bays
Cooling System	SC942S-600/SC942i-R760/600: 3 x 12cm hot-swap cooling fans & 1 x 12cm exhaust fan
	SC942i-650: 2 x 12cm hot-swap cooling fans & 1 x 12cm low-noise exhaust fan
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.8" (452mm) x 7" (178mm) x 23.8" (605mm) Packing: 25" x 14" x 29.9"
Rail (optional)	Extendable lengths 26" to 38.25"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◐ Compatible   ● Optimized low-power configuration   ◐ Compatible low-power configuration

Model	MB Max. 12" x 13"			Drive	USB	Cooling System	Power Supply	+5Vsb	+12V	Gross Weight
	X7	X6	X5							
SC942S-600	◐	◐	●	10 SCA with SAF-TE & 3 x 5.25"	Opt.	4 x 12cm fans	600W + 300W triple redundant	2	40	64 lbs
SC942i-R760	◐	◐	●	9 x 5.25"	Yes	4 x 12cm fans	760W + 380W triple redundant w/ I²C	3.5	50	66 lbs
SC942i-650	◐	◐	●	9 x 5.25"	Yes	3 x 12cm fans	650W redundant cooling fan	4	46	49 lbs
SC942i-600	◐	◐	●	9 x 5.25"	Yes	4 x 12cm fans	600W + 300W triple redundant	2	40	50 lbs

Optional Kit	Model Part #	Description
Front USB Kit	CSE-PT29(B)	2 Ports Front USB Kit for 5.25" Drive Tray
Mobile Rack	CSE-M35T1	SATA Mobile Rack 3 x 5.25" Openings to 5 x 3.5" Drives
	CSE-M34S	SCSI Mobile Rack 3 x 5.25" Openings to 4 x 3.5" Drives
	CSE-M34T	SATA Mobile Rack 3 x 5.25" Openings to 4 x 3.5" Drives
	CSE-M28E1	SAS/SATA Mobile Rack 2 x 5.25" Openings to 8 x 2.5" Drives
	CSE-M28E2	SAS/SATA Mobile Rack 2 x 5.25" Openings to 8 x 2.5" Drives
Mounting Rails	CSE-PT26(B)	4U Chassis Rail Kit (Includes Side Handles)
Peripheral Drives	FPD-PNSC-02 (01)	Panasonic 3.5" 1.44MB Floppy Drive (beige)

SC848A *4U Quad Processor Storage Chassis with Up to 24 HDDs*

100% cooling redundancy

SC848A-R1200

SC848A-R1200B

26" D

17.2" W

SC848A-R1800
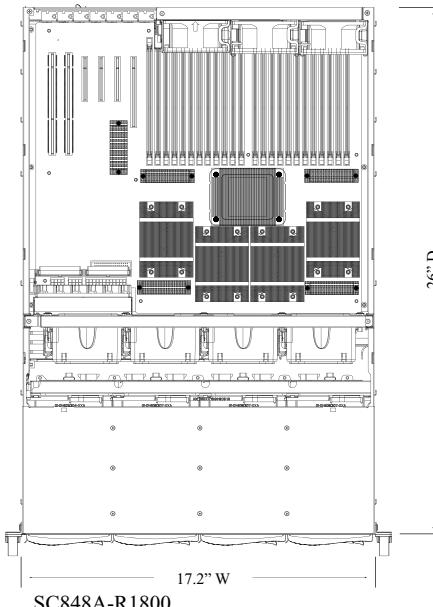
Features

■ Black

✓ 1200W(1+1) Gold-Level / 1800W(2+1) high-efficiency redundant power supply
✓ Mini-I-Pass (SFF 8087) connrctivity
✓ 24x 3.5" hot-swap SAS / SATA HDD trays
✓ 7x full-height, full-length AOC expansion slots for quad processors motherboard

Specifications

Form Factor	4U chassis supports motherboard size - 16" x 14.3"
CPU support	Quad Intel® and AMD processors
Expansion	7x full-height, full-length PCI expansion slots
Peripheral Bays	1x slim DVD-ROM drive; optional 1x slim floppy drive or 1x rear-access I/O tray or 1x 2.5" fixed HDD tray
Drive Bays	24x 3.5" hot-swap SAS / SATA HDD trays
	2x 3.5" fixed SAS / SATA HDD trays (optional) or 2x dual 2.5" fixed SAS/SATA HDD trays (optional)
Cooling System	7(4+3)x 80x38mm hot-swap cooling fans
Front Panel LEDs	Power status LED; Hard drive activity LED; 2x Network activity LEDs; System overheat LED
Front Panel Buttons	Power On/Off button, system reset button & mute button
Power supply	1200W(1+1) Gold-Level / 1800W (2+1) high-efficiency redundant power supply
Dimensions	W x H x D: 17.2" (437mm) x 7" (178mm) x 26" (660mm) Packing: 37.5" x 18"x 27.5" (Palletized design)
Rail	Extendable lengths 28" to 33.67"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration   ◑ Compatible low-power configuration

Model	MB (Max. 16" x 14.3")		Drive	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X7	X6						
SC848A-R1200	●	●	24 SAS/SATA w/SES2	4 x 6300rpm fans (middle) 3 x 6500rpm fans (rear)	1200W Gold-Level redundant (1+1) w/I²C	4	83/100	64 lbs
SC848A-R1800	●	●	24 SAS/SATA w/SES2	4 x 6300rpm fans (middle) 3 x 6500rpm fans (rear)	1800W redundant (2+1) w/I²C	4	100	60 lbs

Optional Kit	Model Part #	Description
Control Board	CSE-PTJBOD-CB1	JBOD storage power-up control board
HDD Tray	MCP-220-00048-ON	3.5" fixed HDD tray
	MCP-220-00044-ON	Dual 2.5" fixed HDD tray (MCP-220-00048-ON needed)

SUPERMICR● *Server Building Block Solutions® - June, 2009*   81

100% Cooling Redundancy, Highly Reliable, Available and Scalable Storage

SC846A-R1200B

SC846A-R1200B

26" D

17.2" W

SC846A-R1200B
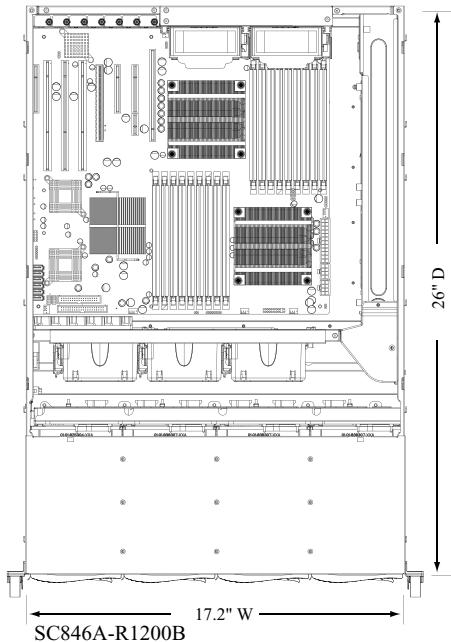
Features

■ Black

✔ 100% cooling redundancy, supports up to 24 hot-swap SAS/SATA drive bays
✔ 1200W(Gold-Level) and 900W high efficiency redundant power supply & 5 hot-plug redundant cooling fans w/ adjustable air shroud
✔ Mini-i-Pass (SFF 8087) connectivity (SC846A/E1/E2 model)
✔ Can be configured as "JBOD or Headunit"

Specifications

Form Factor	4U chassis support for max. motherboard size - 13.68" x 13"; E-ATX and ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 full-height & full-length expansion slots
Peripheral Drives	Optional 2x 3.5 HDD; or 1x DVD and 1x 3.5" HDD; or 1x DVD and 2x 2.5" HDD
Drive Bays	SC846A-R1200: 24x 3.5" hot-swap SAS/SATA drive bays with SES2, Mini-i-Pass (SFF 8087) connectivity
	SC846TQ-R900: 24x 3.5" hot-swap SAS/SATA drive bays with SES2
	SC846E2-R900: 24x 3.5" hot-swap SAS drive bays with SES2 (2 expanders for dual-port support)
	SC846E1-R900: 24x 3.5" hot-swap SAS drive bays with SES2 (1 expander for single-port support)
Cooling System	3x 8cm hot-swap cooling fans, 2 x 8cm exhaust fans & air-shroud
Front Panel LEDs	Power LED, network activity LED, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button, system reset button & mute button
Power supply	1200W Gold-Level /900W redundant power supply w/I^{2}C built-in & fan speed control
Dimensions	W x H x D: 17.2" (437mm) x 7" (178mm) x 26" (660mm) Packing: 34.3" x 26.5" x 13.5" Palletized Packing: 37.3" x 14.8" x 27" (for R1200 model)
Rail	Extendable lengths 28" to 33.67"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◐ Compatible   ● Optimized low-power configuration   ◖ Compatible low-power configuration

New!

Model	MB (Max. 13.68" x 13")			Drive	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD						
SC846A-R1200B	●	●	◐	24 SAS/SATA w/SES2	5 x 5000rpm fans	1200W Gold-Level redundant w/I^{2}C	4	83/100	80 lbs
SC846TQ-R900B	●	●	◐	24 SAS/SATA w/SES2	5 x 5000rpm fans	900W redundant w/I^{2}C	4	75	75 lbs
SC846E2-R900B	●	●	◐	24 SAS w/SES2 (Dual expanders w/ IPASS connectors)	5 x 5000rpm fans	900W redundant w/I^{2}C	4	75	75 lbs
SC846E1-R900B	●	●	◐	24 SAS w/SES2 (Single expander w/ IPASS connector)	5 x 5000rpm fans	900W redundant w/I^{2}C	4	75	75 lbs

Optional Kit	Model Part #	Description
Control Board	CSE-PTJBOD-CB1	JBOD Storage Power-up Control Board

SC748TQ/S *4U /Tower Rackmount High-End Server Chassis*

SC748TQ-R1000B

SC748TQ-R1000B

29.4" D

17.8" W
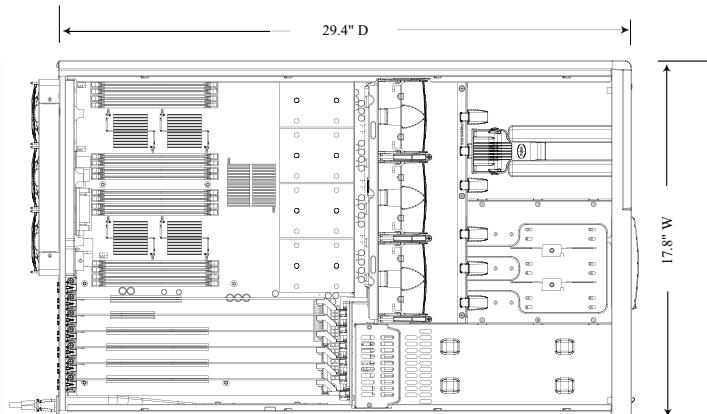
Features

■ Black ■ Beige

Up to 5 hot-swap drive bays, 7 expansion slots & front load 1200W/1000W (1+1) redundant high-efficiency power supply

Specifications

Form Factor	4U/Tower chassis support for motherboard max. size - 14.3" x 16.4" E-ATX
CPU support	Quad Intel® and AMD processors
Expansion	7 full-height & full-length expansion slots
Peripheral Drives	2 front USB ports
Drive Bays	SC748S-R1000: 5x hot-swap SCA drive bays with SAF-TE & 3x 5.25" drive bays or optional CSE-M35S mobile rack support
	SC748TQ-R1000: 5x hot-swap SAS/SATA drive bays with SES2 & 3x 5.25" drive bays or optional CSE-M35TQ mobile rack support
Cooling System	3x 9cm hot-swap cooling fans & 3x 8cm exhaust fans
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.8"(452mm) x 7"(178mm) x 29.4" (746mm) Packing: 38.4" x 26.6" x 13.8"
Rail (optional)	Extendable lengths 26" to 38.25"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 ~ 90% non-condensing Non-operating: 5 ~ 95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration   ◗ Compatible low-power configuration

Model	Quad MB		Drive	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X7	X6					
SC748S-R1000	●	●	5x SCA w/SAF-TE & 3x 5.25" or optional CSE-M35S mobile rack support	1000W redundant high-efficiency w/I²C	4	83	72 lbs
SC748TQ-R1000	●	●	5x 3.5" SAS / SATA Hard Drive Backplane with SES2	1000W redundant high-efficiency w/I²C	4	83	72 lbs
SC748TQ-R1200	●	●	5x 3.5" SAS / SATA Hard Drive Backplane with SES2	1200W redundant high-efficiency w/I²C	4	100	72 lbs

Optional Kit	Model Part #	Description
Mobile Rack	CSE-M35TQ	SATA Mobile Rack 3x 5.25" Openings to 5x 3.5" Drives
	CSE-M35S	SCSI Mobile Rack 3x 5.25" Openings to 5x 3.5" Drives
	CSE-M28E1	SAS/SATA Mobile Rack 2x 5.25" Openings to 8x 2.5" Drives
	CSE-M28E2	SAS/SATA Mobile Rack 2x 5.25" Openings to 8x 2.5" Drives
	CSE-M14T	SAS/SATA Mobile Rack 1x 5.25" Openings to 4x 2.5" Drives
Mounting Rails	MCP-290-00001-00	4U Chassis Rail Kit (Includes Side Handles)

SC747TQ-R1400B *4U/Tower Rack Chassis with 11x PCI-E Expansion Slots*

100% *Cooling Redundancy*

SC747TQ-R1400B

Optimized for
4x double-width
high-end graphics
cards (GPUs), or
11x PCI cards

25.5" D

17.2" H

SC747TQ-R1400B
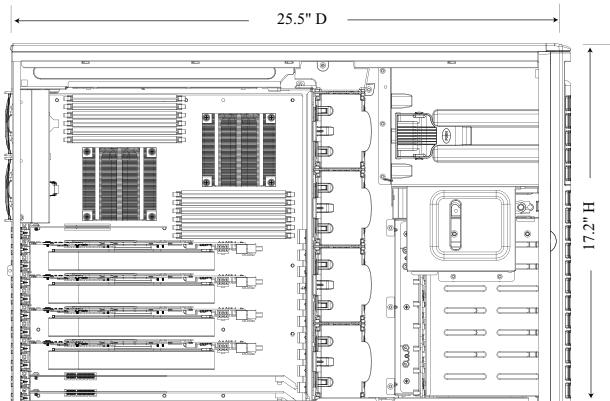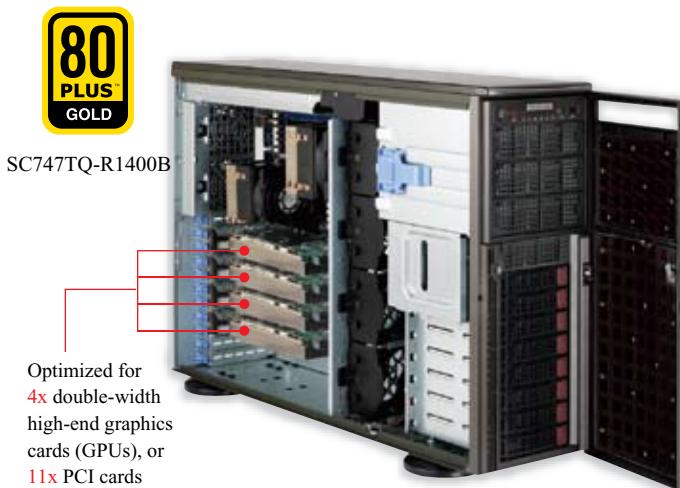
Features

■ Black

- ✔ 1.4kW high-efficiency Redundant (1+1) power supply (80Plus, Gold-Level certified, 93%) with PMBus support
- ✔ 4 sets of 6-pins + 8-pin power connector for high-end graphic cards
- ✔ 8x 3.5" hot-swap SAS / SATA drive bays, 1x fixed 3.5" device bay
- ✔ 11x full-height, full-length PCI-E expansion slots, support up to 4x double-width GPU cards
- ✔ 4x 92mm hot-swap fans and 2x 80mm hot-swap exhaust fan
- ✔ 4U tower/rackmount form factor

Specifications

Form Factor	4U tower/rackmount chassis supports motherboards up to 15.2" x 13.2"; E-ATX and ATX
CPU support	Dual and single Intel® Xeon® and AMD Opteron™ processors
Expansion	11x full-height, full-length expansion slots
Peripheral Drives	90-degree rotatable module: 3x 5.25", 1x fixed 3.5" drive bays
Drive Bays	8x 3.5" hot-swap SAS / SATA HDD drive bays
Power supply	Gold-Level high-efficiency (up to 93%) 1400W redundant (1+1) power supply with Power Management (PMBus) support
Cooling System	4x 92mm hot-swap fans and 2x 80mm hot-swap exhaust PWM fan
Front Panel Buttons	Power on/off button & system reset button
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Backplane	8x 3.5" SAS / SATA Backplane
Dimensions	W x H x D: 17.2" (434mm) x 7" (178mm) x 25.5" (648mm) Packing: TBA
Rail (optional)	Extendable length of 26.5" to 36.4"
Temperature	Operating: 10° ~ 35°C (50° to 95°F) Non-operating: -40° ~ 70°C (-40° to 158°F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration   ◐ Compatible low-power configuration

Model	MB (Max. 13.68" x 13")					Drive Bays	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
	C7	C2	X8	X7	PD						
SC747TQ-R1400B	●	●	●	●	◑	8x 3.5" Hot-swap SAS / SATA	4x 92mm hot-swap fans and 2x 80mm hot-swap exhaust fan	Gold-Level high-efficiency 1400W redundant (1+1) w/ PMBus	4	66	62 lbs

Optional Kit	Model Part #	Description
Rails	MCP-290-00059-0B	4U ball bearing quick release rail kit (includes side handles)
	MCP-290-00058-0N	Ball bearing quick release rail for short-depth rack (19"~26.6")
Cable ARM	P-290-00073-0N	

* Our new generation power supply efficiency measured under a typical loading operations.

100% cooling redundancy

SC745TQ-R1200B

SC745TQ-R1200B

25.5" D

17.2" H

SC745TQ-R800B
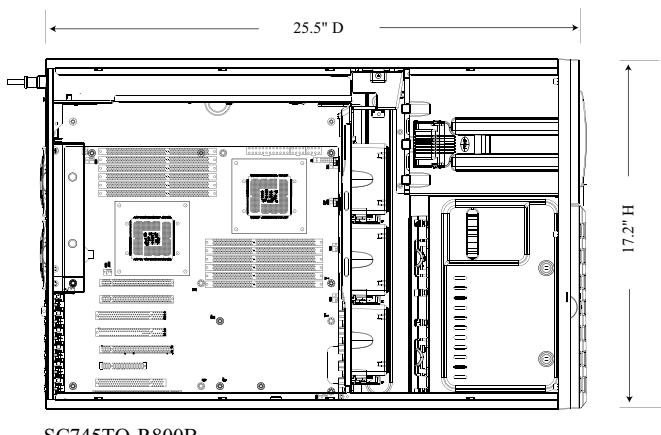
Features

■ Black ■ Beige

✔ 100% cooling redundancy
✔ 1200W Gold-Level w/PMBus and 800W redundant/single high-efficiency power supply (93%*)
✔ 8 hot-swap drive bays
✔ 3x 5.25" cage with 90-degree rotatable module

Specifications

Form Factor	4U chassis support for max. motherboard size - 13.68" x 13"
CPU support	Dual/single Intel® Xeon®, and AMD Opteron™
Expansion	7 tool-less full-height & full-length expansion slots
Peripheral Drives	3x 5.25" cage with 90-degree rotatable module: 2 USB ports, 2 x 5.25" drive bays & 1 floppy drive bay
Drive Bays	SC745S2-R800/800: 8 x 3.5" dual-channel (4 + 4) hot-swap SCA drive bays with SAF-TE compliance SC745TQ-R1200 & SC745TQ-R800/800: 8 x 3.5" hot-swap SAS/SATA drive bays with SES2 compliance
Power supply	SC745TQ-R1200: 1200W Gold-Level redundant power supply w/I²C & fan speed control, PMBus, and 4x 6-pin power connector SC745S2/SC745TQ-R800: 800W redundant high-efficiency power supply w/I²C & fan speed control SC745S2/SC745TQ-800: 800W high-efficiency power supply w/I2C & fan speed control
Cooling System	3 x 8cm hot-swap cooling fans, 2 x 8cm exhaust fans & air shroud
Front Panel Buttons	Power on/off button & system reset button
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED
Dimensions	W x H x D: 17.2" (434mm) x 7" (178mm) x 25.5" (648mm) Packing: 24.6" x 14" x 31.3"
Rail (optional)	Extendable length of 26" to 38.25"
Temperature	Operating: 10° ~ 35°C (50° to 95°F) Non-operating: -40° ~ 70°C (-40° to 158°F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized   ◗ Compatible   ● Optimized low-power configuration   ◗ Compatible low-power configuration

Model	MB (Max. 13.68" x 13")					Drive Bays	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
	C7	C2	X8	X7	PD						
SC745TQ-R1200	●	●	●	●	◗	8 SAS/SATA w/SES2	5 x 5000rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	62 lbs
SC745S2-R800	●	●	●	●	◗	8 dual-channel (4+4) SCA w/SAF-TE	5 x 5000rpm fans	800W redundant high-efficiency	4	66	62 lbs
SC745TQ-R800	●	●	●	●	◗	8 SAS/SATA w/SES2	5 x 5000rpm fans	800W redundant high-efficiency	4	66	62 lbs
SC745S2-800	●	●	●	●	◗	8 dual-channel (4+4) SCA w/SAF-TE	5 x 5000rpm fans	800W high-efficiency	4	66	58 lbs
SC745TQ-800	●	●	●	●	◗	8 SAS/SATA w/SES2	5 x 5000rpm fans	800W high-efficiency	4	66	58 lbs

Optional Kit	Model Part #	Description
Mounting Rails	CSE-PT26(B)	4U Chassis Rail Kit (Includes Side Handles) (B = Black)
Cable ARM	MCP-290-00073-0N	
Card Reader	MCP-450-73101-0B	

* New generation power supply efficiency measured under typical loading operations

SC743TQ/T/S1/S2/i   *4U / Tower High-End Workstation/Server Chassis*

Low-noise fan control

28dB Whisper-Quiet
SC743TQ-865B-SQ

80 PLUS BRONZE
SC743T-665B

SC743TQ-865B-SQ

25.5" D

17.8" H
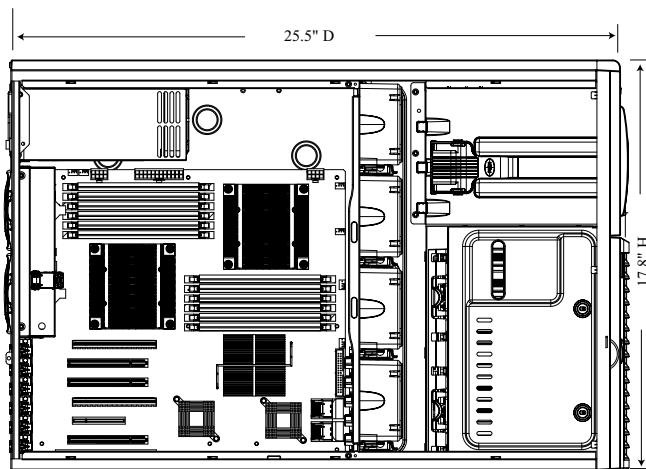
SC743TQ-865B-SQ

■ Black   ■ Beige

Features

✓ 8 hot-swap drive, 3x 5.25" cage with 90-degree rotatable module, 7 tool-less expansion slots & power supply with low-noise fan speed control
✓ Whisper-quiet performance at 28dB (SC743TQ-865B-SQ)
✓ Rackmount and tower convertable

Specifications

Form Factor	4U chassis support for max. motherboard size - 12" x 13"; E-ATX and ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	7 tool-less full-height & full-length expansion slots
Peripheral Drives	90-degree rotatable module: 2 USB ports, 2x 5.25" drive bays & 1x 3.5" drive bay
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & system overheat LED & power fail LED
Front Panel Buttons	Power On/Off button & System Reset button
Dimensions	W x H x D: 17.8"(452mm) x 7"(178mm) x 25.5" (648mm) Packing: 24.6" x 14" x 31.3"
Rail (optional)	Extendable lengths 26" to 38.25"
Temperature	Operating: 10° ~ 35° C (50° to 95° F) Non-operating: -40° ~ 70° C (-40° to 158° F)
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing

● Optimized   ◑ Compatible   ● Optimized low-power configuration   ◐ Compatible low-power configuration

Model	MB Max. 12" x 13"				Drive	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	C7	C2						
SC743TQ-865	●	●	●	●	8 SAS/SATA w/SES-II	4 x 5000rpm fans	865W 80 PLUS® Certified with low-noise fan speed control	6.5	70	55 lbs
SC743T-665B	●	●	●	●	8 SAS/SATA w/SES-II	4 x 5000rpm fans	665W 80 PLUS® Bronze-Level with low-noise fan speed control	6.5	70	55 lbs
SC743TQ-865B-SQ	●	●	●	●	8 SAS/SATA w/SES-II	2 x 2800rpm fans 1 x 2700rpm fan	865W 80 PLUS® Certified with low-noise fan speed control	6.5	70	55 lbs
SC743S1-645	●	●	●	●	8 SCA	4 x 5000rpm fans	645W with low-noise fan speed control	4	46	56 lbs
SC743T-645	●	●	●	●	8 SAS/SATA	4 x 5000rpm fans	645W with low-noise fan speed control	4	46	55 lbs
SC743i-645	●	●	●	●	8 fixed	4 x 5000rpm fans	645W with low-noise fan speed control	4	46	55 lbs
SC743i-465B	●	●	●	●	8 fixed	4 x 5000rpm fans	465W 80 PLUS® Certified with low-noise fan speed control	3	35	56 lbs
SC743S2-R760		●	●	●	8 dual-channel (4+4) SCA w/SAF-TE	6 x 5000rpm fans	760W + 380W triple-redundant w/I²C	3.5	50	66 lbs
SC743S1-R760		●	●	●	8 SCA w/SAF-TE	6 x 5000rpm fans	760W + 380W triple-redundant w/I²C	3.5	50	66 lbs
SC743TQ-R760		●	●	●	8 SAS/SATA w/SES2	6 x 5000rpm fans	760W + 380W triple-redundant w/I²C	3.5	50	66 lbs
SC743T-R760		●	●	●	8 SAS/SATA	6 x 5000rpm fans	760W + 380W triple-redundant w/I²C	3.5	50	66 lbs
SC743i-R760		●	●	●	8 fixed	6 x 5000rpm fans	760W + 380W triple-redundant w/I²C	3.5	50	65 lbs
SC743S2-650	●	●	●	●	8 dual-channel (4+4) SCA w/SAF-TE	6 x 5000rpm fans	650W redundant cooling fans	4	46	56 lbs
SC743S1-650	●	●	●	●	8 SCA w/SAF-TE	6 x 5000rpm fans	650W redundant cooling fans	4	46	56 lbs
SC743T-650	●	●	●	●	8 SAS/SATA	6 x 5000rpm fans	650W redundant cooling fans	4	46	56 lbs
SC743i-650	●	●	●	●	8 fixed	6 x 5000rpm fans	650W redundant cooling fans	4	46	56 lbs

Optional Kit	Model Part #	Description
Mounting Rails	CSE-PT26(B)	4U Chassis Rail Kit (Includes Side Handles) (B = Black)
Cable ARM	MCP-290-00073-0N	
Card Reader	MCP-450-73101-0N	

Quick-Release Slide Rails

The Supermicro Tool-less, Quick-release Slide Rails

Designed for quick and easy installation and access to Supermicro's server equipment. Several different sizes are provided to accommodate a variety of Supermicro server systems.

Push
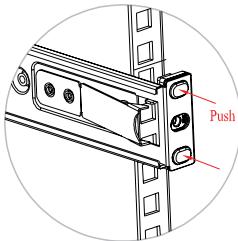
Model Part#	MCP-290-00054-0N	MCP-290-00052-0N-BULK
Product	Optional rail set	Optional outer rail bulk pack
Content	Quick-release inner rail + quick-release outer rail	Quick-release outer rail (10 set/pack)
Chassis Type	1U, 17.2" width	1U, 17.2" width
Mechanism	Linear, for square hole racks	Linear, for square hole racks
Outer Rail Extendable Length	25.6"~33.05"	25.6"~33.05"
Compatible Chassis	Optional for SC808, 809, 813, 814, 815, 816, 819	Optional for SC113, 113M, 512F-280/410/520, 515, 808, 809, 813, 813M, 814, 815, 816, 818, 819

For Short-depth Chassis Rack!

Model Part#	MCP-290-00056-0N	MCP-290-00053-0N
Product	Optional short-depth outer rail	Default rail set
Content	Short quick-release outer rail	Quick-release inner rail + quick-release outer rail
Chassis Type	1U, 17.2" width in short-depth rack	2~3U, 17.2" width
Mechanism	Linear, for square hole racks	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N
Outer Rail Extendable Length	19"~26.4"	26.5"~36.4"
Compatible Chassis	Optional for SC113, 113M, 512F-280/410/520, 515, 808, 809, 813, 813M, 814, 815, 816, 818, 819	Default for SC213, 216, 823M, 825, 825M, 826, 827, 828, 835, 836, 936

For Short-depth Chassis Rack!

Model Part#	MCP-290-00057-0N	MCP-290-00058-0N
Product	Default rail set	Optional short-depth rail set
Content	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail
Chassis Type	4U, 17.2" width	2~4U, 17.2" width in short-depth rack
Mechanism	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N
Outer Rail Extendable Length	26.5"~36.4"	19"~26.6"
Compatible Chassis	Default for SC846, 848	Optional for SC213, 216, 823M, 825, 825M, 826, 827, 828, 835, 836, 936, 846, 848

14U Mini Rack Cabinet

✓ **Small/Medium Business IT**

✓ **Scientific and Engineering R&D**

✓ **Professional Audio and Video Production**

- Detachable Front Door
- Hexagonal Air Intakes
- Gauge Label Indicator
- Lock
- Cable Egress (rear)
- Rack Grounding Wire
- Rack Casters w/ Brake
- Adjustable Supporting Stands

CSE-RACK14U

■ Black

- Dimension: 21.65" x 34.65 x 30.64"
- Capacity: 14U
- Package Dimension: 24.5" x 37.8" x 36.7"
- Gross Weight: 155 lbs
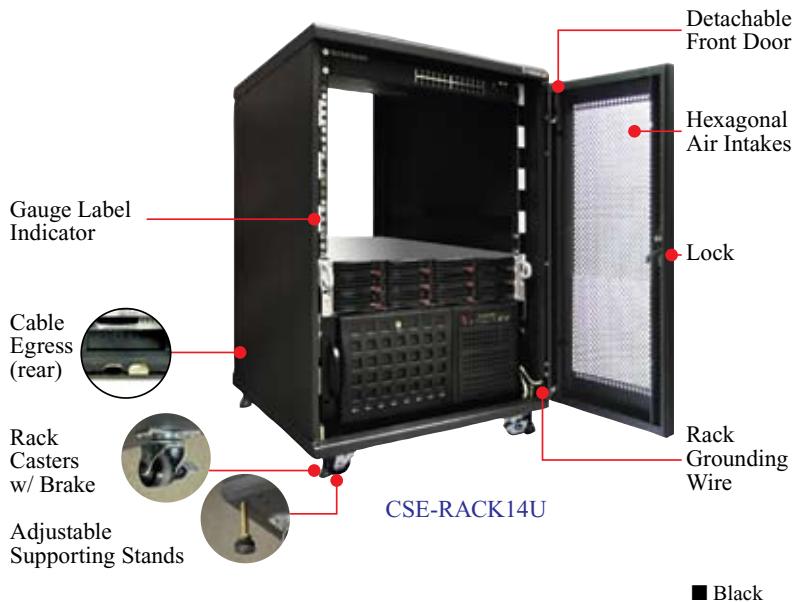
Supermicro's new Mini Rack Cabinet, CSE-RACK-14U, is optimized for office, small/medium business (SMB), research and academic institutions or professional studio environments (movie animation, music production, etc.). The 14U space supports any combination of standard 19" rack mount servers or equipment in a compact form factor offering ease of maintenance and flexibility for different IT applications.

The CSE-RACK14U Mini Rack Cabinet's desk-height design (30.64" H) features security, mobility and options for sound dampening to reduce overall system noise levels. Its sleek and compact design makes it suitable for customers seeking IT solutions for dynamic office environments.

Key Features:

- 14U rack units, supports EIA 19" rackmount servers with regular square mounting holes
- Ideal for office environments – 30.64 inches high, same height as regular office furniture
- Lockable front door, provides extra security for IT facilities
- Mobility – Casters with brakes, easy to move
- Stability – Supporting posts on the four corners
- Detachable "front door" design, easy for maintenance
- Reusable and environmentally friendly shipping box

Parts #	Descriptions
MCP-670-00001-0N	14U rack front door filter
MCP-670-00002-0N	14U rack cable management kit
MCP-670-00003-0N	14U rack noise muffler
MCP-670-00004-0N	14U rack rear door
MCP-670-00005-0N	14U rack power strip bracket

Mobile Racks

High Performance, Scalability & Flexibility for Next Generation Enterprise Server/Storage Solutions

SAS/SATA   *SAS/SATA*   *SAS/SATA*

Model Part#	CSE-M28E1	CSE-M28E2	CSE-M14T
Occupancy	2 x 5.25" drive bays	2 x 5.25" drive bays	1 x 5.25" drive bays
Capacity	8 x 2.5" hot-swap SAS/SATA hard drives	8 x 2.5" hot-swap SAS/SATA hard drives	4 x 2.5" hot-swap SAS/SATA hard drives
Expander Card	LSI expander chip x1	LSI expander chip x2	N/A
Cooling Subsystem	80mm exhaust fan	80mm exhaust fan	40mm exhaust fan
System Monitoring	• Overheat LED & alarm • Drive activity LED	• Overheat LED & alarm • Fan failure & alarm • Drive activity & failure LED	• Overheat LED & alarm • Drive activity LED
Dimensions	5.8"W x 3.4"H x 8.7"H (147mm x 88mm x 220mm)	5.8"W x 3.4"H x 8.7"H (147mm x 88mm x 220mm)	5.8"W x 1.6"H x 7.9"H (147mm x 40mm x 200mm)
Gross Weight	6 lbs	6 lbs	4 lbs

SCSI & SATA   *SCSI & SATA*   *SCSI & SATA*   *SCSI & SATA*

Model Part#	CSE-M35S	CSE-M35T-1/CSE-M35TQ	CSE-M34S (CSE-031)	CSE-M34T
Occupancy	3 x 5.25" drive bays	3 x 5.25" drive bays	3 x 5.25" drive bays	3 x 5.25" drive bays
Capacity	5 x 3.5" hot-swap SCA U320/160 hard drives with SAF-TE built-in	5 x 3.5" hot-swap SAS/SATA hard drives with SES2	4 x 3.5" hot-swap SCA Ultra320/160 hard drives	4 x 3.5" hot-swap SAS/SATA hard drives
Expander Card	N/A	N/A	N/A	N/A
Cooling Subsystem	90mm exhaust fan	90mm exhaust fan	90mm exhaust fan	90mm exhaust fan
System Monitoring	Fan fail detection LED & alarm . Overheat LED indication alarm . Drive fail alarm & indication . Built-in termination	• Fan fail detection LED & alarm • Overheat LED indication • Drive activity LED	• Fan fail detection LED and alarm • Overheat LED indication alarm • Built-in termination	• Fan fail detection LED and alarm • Overheat LED indication alarm • Drive activity LED
Dimensions	5.8"W x 5"H x 9.7"H (147mm x 127mm x 246mm)	5.8"W x 5"H x 9.7"H (147mm x 127mm x 246mm)	5.8"W x 5"H x 9.7"H (147mm x 127mm x 246mm)	5.8"W x 5"H x 9.7"H (147mm x 127mm x 246mm)
Gross Weight	7.5 lbs	7.5 lbs	6.8 lbs	6.8 lbs

Layer 3 Ethernet Switch Family

Enterprise-Class Performance with Advanced Switching Capabilities in a 1U Form Factor for 1/10-Gigabit Ethernet Networking

This Layer 3 Ethernet Switch offers 24 or 48 ports of 10/100/1000 BASE-T Gigabit Ethernet and up to four 10-Gigabit Ethernet uplinks. This allows connectivity to 10GE routers, servers, backbones, and data centers. The 1U form factor gives users the ability to optimize deployment in wiring closet or top-of-rack environments. A comprehensive routing and protocol software suite ensures optimal performance in even the most demanding enterprise-class networking environments.   It is ideal for organizations with growing and consolidated data centers.

SSE-G24-TG4 (24 Ports)

SSE-G48-TG4 (48 Ports)

Rear View

Model	SSE-G24-TG4 (24 Ports) and SSE-G48-TG4 (48 Ports)	

Port Attributes	• 24 or 48 one Gigabit Ethernet links to Blades
	  - 24 or 48 RJ45 Copper ports
	  - Four fiber SFP combo ports
	• Out-of-band RS-232 Management port
		• Up to four high-speed ports
		  - Two or four 10-Gigabit Ethernet uplinks
		  - Up to two stacking ports

Performance	• Switching Capacity: 136 Gbps (24 port) 184 Gbps (48 port)	• Stacking performance - up to 48 Gbps
Availability	• Spanning Tree (802.1D) • Rapid Spanning Tree (802.1w)	• Multiple Spanning Trees (802.1s) • Virtual Redundant Routing Protocol (VRRP)
VLAN	• 802.1Q tagging, port and protocol based • 1024 VLANs	• Dynamic VLAN Support (GVRP)
Quality of Service and DiffServ	• 8 priority queues per port • Adjusted WRR and Strict Priority Scheduling • Layer 2, 3, 4 Prioritization	• Marking • Metering / Rate limiting
Switching Features	• Link Aggregation - 24 groups with 8 members per group • LACP Support • Link Layer Discovery Protocol (802.1AB)	• Jumbo Frame Support • Port Mirroring – N to 1. Tx & Rx Configurable
Routing Features	• Static Routing, RIP v1/v2, RIPng, OSPF v1/v2/v3 and BGP • IPv4 and IPv6 Routing	• VRRP (Virtual Router Redundancy Protocol) • DVMRP (Distance Vector Multicast Routing Protoco
Multicast	• IGMP Snooping v1, v2, v3 • IGMP v1, v2, v3	• PIM SM, PIM DM • PIM SMv6
Security	• 802.1x Port Based Authentication • Switch access password protection • Layer 2, 3, 4 Access Control Lists	• RADIUS and TACACS+ Authentication • SSH, SSL Encryption

Management	• Web-based management interface – HTTP, HTTPS
	• Industry standard CLI with telnet, SSH or local management port
	  - Scripting capability
	  - Command completion
	  - Context sensitive "Help"
		• Multiple levels of user privilege (CLI and Web UI)
		• SNMP v1, v2, v3
		• Four RMON Groups - (1, 2, 3 and 9)
		• Logging – syslog
		• Dual firmware images
		• Configuration file - upload / download

Options (order at least one, maximum two)	• Two-port CX4 Connector Module for copper connections AOM-SSE-X2C	• Two-port XFP Connector Module for Fiber connections AOM-SSE-X2F
Dimensions (WxDxH)	• 440 x 387 x 432mm (17.3" x 15.2" x 1.7")	
Weight	• 24 port: 12.6 lbs/ 5.70 kg (w/ modules); 12.2 lbs/5.54 kg (w/o modules) • 48 port: 13.7 lbs/ 6.20 kg (w/ modules); 13.4 lbs/ 6.06 kg (w/o modules)	
Operating Conditions	• Operating temperature: 0 to 50°C	

Network Adapters

Faster, More Flexible Networking

With outstanding performance, high power efficiency and excellent value, Supermicro's network adapters can help improve network throughput and application performance through features that maximize bandwidth and offload CPU resources. From 10Gb Ethernet to InfiniBand technologies, dual-port and quad-port connectivity, in UIO (Universal I/O) and standard form factors, Supermicro's network adapters are optimized for the most demanding multi-core computing systems.

Key Industries

- Business Financial
- Customer Management Solutions
- Decision Support Data Warehouse
- Enterprise Resource Planning
- Web Infrastructure

- Aerospace
- Automotive
- Education
- Energy
- Financial Services
- Global Government

- Healthcare
- Life Sciences
- Manufacturing
- Media, Entertainment & Internet Services
- Retail

UIO

UIO

UIO

Model	AOC-UINF-m2	AOC-UTG-i2	AOC-UG-i4
Description	UIO Low-profile dual-port InfiniBand 20Gb Card	UIO full-height dual-port 10GbE card	UIO full-height quad-port 1GbE card
Interface	PCI-E x8 2.0	PCI-E x8	PCI-E x8
Port	2 CX4 ports	2 CX4 ports	4 RJ45 ports
Speed	20 Gigabit/port	10 Gigabit/port	1 Gigabit/port
Controller	Mellanox® ConnectX DDR	Intel® 82598EB	2x Intel® 82571EB
Compatible Motherboards	X8DTU-F, X8DTN+, H8DMU, H8SMU, X7DWU, X7DWN+, X7DWA-N, X7DCU, and more...		
Compatible Servers	6016T-NT(R)F, 1026T(R)F, 6016T-3RF, 6026T-NTR+, 6026T-URF, 7046T-NTR+, 1021M-UR+, 1011M-UR, 1011M-Ni, 2021M-UR+, 1026T-NTF, 1026T-NTRF, 6016T-U(R)F, 1025W-U(R)B, 6015W-UR, 6015W-NT(R), 1025C-URB, 6015C-U(R)B, and more...		

Proprietary

Standard Card

Model	AOC-PG-i2+	AOC-EXPX9502FXSR
Description	Proprietary low-profile dual-port 1GbE card	Standard low-profile dual-port 10GbE card
Interface	PCI-E x8	PCI-E x8
Port	2 RJ45 ports	2 XFP ports
Speed	1 Gigabit/port	10 Gigabit/port
Controller	Intel® 82576EB	Intel® 82598EB
Compatible Motherboards	X8DTU, X8DTU-F, X7DWU, and more...... (Require RSC-R1UU-E8PR)	All motherboards with a PCI-E x8 slot
Compatible Servers	6016T-NT(R)F, 1026T-U(R)F, 6016T-U(R)F, 6016T-NTF, 1025W-U(R)B, 6015W-UR, and more... (Require RSC-R1UU-E8PR)	All servers with PCI-E low-profile or full-height expansion slot

HBA and SAS RAID Cards

The SAS RAID card delivers industry leading RAID performance at an unprecedented performance-to-price ratio. For companies running popular applications like web services of file/email servers, the UIO SAS RAID card opens the world of professional RAID performance and combines it with cost-effective SAS and SATA drive compatibility for the ultimate external storage solutions. With an optional battery backup unit and the cached data protection feature allows system builders to protect cached data even from the most catastrophic system failures.

New!   *New!*   *New!*   *New!*

Model	AOC-USAS2-L8i	AOC-USAS2-L8iR	AOC-USAS2-L8E	AOC-USAS2LP-H8iR*	AOC-USAS-L8i
Type	UIO	UIO	UIO	UIO	UIO
Controller/IOP	LSISAS 2008	LSISAS 2008	LSISAS 2008	LSISAS 2108	LSISAS 1068E
SAS Port	8 ports, 6Gb/s per port 8 Internal	8 ports, 6Gb/s per port 8 Internal	8 ports, 6Gb/s per port 8 Internal	8 ports, 6Gb/s per port 8 Internal, Low Profile	8 ports, 3Gb/s per port 8 Internal
RAID	RAID 0, 1, 10	RAID 0, 1, 5, 10	RAID 0, 1, 10	RAID 0, 1, 5, 6, 10, 50, 60	IT/HBA Mode
Onboard Cache	16MB onboard SRAM	16MB onboard SRAM	-	512 MB DDR2 on-card cache w/battery backup option	-

Model	AOC-USASLP-L8i*	AOC-USAS-L4i	AOC-USAS-L4iR	AOC-USASLP-H8iR*	AOC-USAS-H8iR
Type	UIO	UIO	UIO	UIO	UIO
Controller/IOP	LSISAS 1068E	LSISAS 1068E	LSISAS 1068E	LSISAS 1078	LSISAS 1078
SAS Port	8 ports, 3Gb/s per port 8 Internal, Low Profile	8 ports, 3Gb/s per port 4 Internal, 4 External	8 ports, 3Gb/s per port 4 Internal, 4 External	8 ports, 3Gb/s per port 8 Internal	8 ports, 3Gb/s per port 8 Internal
RAID	IT/HBA Mode	RAID 0, 1, 10	RAID 0, 1, 5, 10	RAID 0, 1, 5, 6, 10, 50, 60	RAID 0, 1, 5, 6, 10, 50, 60
Onboard Cache	-	-	-	512MB DDR2 on-card cache w/ battery back-up option	256MB DDR2 on-card cache w/ battery back-up option

Model	AOC-USAS-H4iR	AOC-USAS-S4i	AOC-USAS-S4iR	AOC-USAS-S8i	AOC-USAS-S8iR
Type	UIO	UIO	UIO	UIO	UIO
Controller/IOP	LSISAS 1078	Intel® IOP348	Intel® IOP348	Intel® IOP348	Intel® IOP348
SAS Port	8 ports, 3Gb/s per port 4 Internal, 4 External	8 ports, 3Gb/s per port 4 Internal, 4 External	8 ports, 3Gb/s per port 4 Internal, 4 External	8 ports, 3Gb/s per port 8 Internal	8 ports, 3Gb/s per port 8 Internal
RAID	RAID 0, 1, 5, 6, 10, 50, 60	RAID 0, 1, 10	RAID 0, 1, 5, 6, 10, 50	RAID 0, 1, 10	RAID 0, 1, 5, 6, 10, 50
Onboard Cache	256MB DDR2 on-card cache w/ battery back-up option	128MB DDR2 on-card cache	256MB DDR2 on-card cache w/ battery back-up option	128MB DDR2 on-card cache	256MB DDR2 on-card cache w/ battery back-up option

| Model	AOC-USASLP-S8i*	AOC-USASLP-S8iR*	AOC-SAT2-MV8	AOC-SASLP-MV8
Type	UIO	UIO	Standard	Standard
Controller/IOP	Intel® IOP348	Intel® IOP348	Marvell Hercules-2	Marvell Hercules-2
SAS Port	8 ports, 3Gb/s per port 8 Internal, Low Profile	8 ports, 3Gb/s per port 8 Internal, Low Profile	8 ports, 3Gb/s per port 8 Internal, Low Profile	8 ports, 3Gb/s per port 8 Internal, Low Profile
RAID	RAID 0, 1, 10	RAID 0, 1, 5, 6, 10, 50	HBA only	HBA only
Onboard Cache	128MB DDR2 on-card cache	256MB DDR2 on-card cache w/ battery back-up option	-	-

* Applies to 2U low-profile, 3U and 4U chassis.

Heatsinks

X8 DP

X8 UP

1U Passive CPU Heatsinks for DP and MP Motherboards

Part Number	SNK-P0017	SNK-P0028P	SNK-P0037P
Form Factor	1U, Passive	1U, Passive	1U, Passive
CPU Type	Intel® Xeon® Processor 5000 Series	Intel® Xeon® Processor 7000 Series	Intel® Xeon® Processor 5500 Series
Socket Type	LGA 771	mPGA 604	LGA 1366
Material	Copper Base / Copper Fins	Copper Base / Copper Fins / Heat Pipes	Copper & Aluminum Base / Aluminum Fins / Heat Pipes
Dimension	3.50"L x 3.11"W x 1.06"H	3.70"L x 2.64"W x 1.00"H	3.54"L x 3.54"W x 1.06"H
Mounting Method	Screw + Spring	Screw + Spring	Screw + Spring

1U Passive CPU Heatsinks for UP Motherboards

Part Number	SNK-P0016	SNK-P0016P	SNK-P0036
Form Factor	1U, Passive	1U, Passive	1U, Passive
CPU Type	Intel® Xeon® Processor 3000 Series, Core™ 2, and Pentium®	Intel® Xeon® Processor 3000 Series, Core™ 2, and Pentium®	Intel® Core™ i7 and Xeon® 3500 / 5500 Series
Socket Type	LGA 775	LGA 775	LGA 1366
Material	Copper Base / Copper Fins	Copper & Aluminum Base / Copper Fins / Heat Pipes	Copper Base / Aluminum Fins
Dimension	3.74"L x 3.74"W x 1.06"H	3.74"L x 3.74"W x 1.06"H	3.54"L x 3.54"W x 1.06"H
Mounting Method	Screw + Spring	Screw + Spring	Screw + Spring + Back Plate

X8 DP

2U(+) Passive CPU Heatsinks for DP and MP Motherboards

Part Number	SNK-P0018	SNK-P0025P	SNK-P0029P	SNK-P0038P
Form Factor	2U(+), Passive	2U(+), Passive	2U(+), Passive	2U(+), Passive
CPU Type	Intel® Xeon® Processor 5000 Series	Intel® Xeon® Processor 5000 Series	Intel® Xeon® Processor 7000 Series	Intel® Xeon® Processor 5500 Series
Socket Type	LGA 771	LGA 771	mPGA 604	LGA 1366
Material	Copper Base / Copper Fins	Copper & Aluminum Base / Aluminum Fins / Heat Pipes	Copper & Aluminum Base / Aluminum Fins / Heat Pipes	Copper & Aluminum Base / Aluminum Fins / Heat Pipes
Dimension	3.50"L x 3.11"W x 2.05"H	3.50"L x 3.11"W x 1.97"H	3.70"L x 2.64"W x 2.60"H	3.54"L x 3.54"W x 2.52"H
Mounting Method	Screw + Spring	Screw + Spring	Screw + Spring	Screw + Spring

X8 DP

X8 UP

Active CPU Heatsinks for DP Motherboards

Part Number	SNK-P0020A4	SNK-P0034AP4	SNK-P0040AP4
Form Factor	3U(+), Active	4U(+), Active	4U(+), Active
CPU Type	Intel® Xeon® Processor 5000 Series	Intel® Xeon® Processor 5000 Series	Intel® Xeon® Processor 5500 Series
Socket Type	LGA 771	LGA 771	LGA 1366
Material	Copper Base / Copper Fins with Aluminum Cover	Copper & Aluminum Base / Aluminum Fins w/ Aluminum / Heat Pipes	Copper & Aluminum Base / Aluminum Fins w/ Plastic Cover / Heat Pipes
Dimension	3.50"L x 2.99"W x 3.23"H	3.50"L x 3.15"W x 5.47"H	4.17"L x 3.94"W x 4.96"H
Mounting Method	Screw + Spring	Screw + Spring	Screw + Spring
Fan Location	Top	Side	Side

Active CPU Heatsinks for UP Motherboards

| Part Number	SNK-P0015A4	SNK-P0032A4	SNK-P0035AP4	SNK-P0036A4
Form Factor	2U(+), Active	1U, Active	4U(+), Active	2U(+), Active
CPU Type	Intel® Xeon® Processor 3000 Series, Core™ 2, and Pentium®	Intel® Xeon® Processor 3000 Series, Core™ 2, and Pentium®	Intel® Xeon® Processor 3000 / 3500 / 5500 Series, Core™ 2, Core™ i7, and Pentium®	Intel® Core™ i7 and Xeon® 3500 / 5500 Series
Socket Type	LGA 775	LGA 775	LGA 775 / 1366	LGA 1366
Material	Copper Base / Aluminum Fins / Steel Bracket	Copper Base / Copper Fins with Aluminum Cover	Copper & Aluminum Base / Aluminum Fins w/ Plastic Cover / Heat Pipes	Copper Base / Aluminum Fins / Steel Bracket
Dimension	3.54"L x 3.54"W x 2.56"H	3.98"L x 4.06"W x 1.10"H	4.17"L x 3.94"W x 4.96"H	3.54"L x 3.54"W x 2.68"H
Mounting Method	Push-in Pin	Screw + Spring	Screw + Spring	Screw + Spring + Back Plate
Fan Location	Top	Top	Side	Top

UIO Riser Cards

Left Slot

Model Part#	CSE-RR1U-E16	RSC-R1UU-UAX	RSC-R1UU-E16	RSC-R1UU-UE8	RSC-R1UU-2E8	RSC-R1UU-2U	RSC-R1UU-AXE8
Form Factor	1U	1U	1U	1U	1U	1U	1U
Fit Type	PCI-E x16	Universal slot	Universal slot	Universal slot	Universal slot	Universal slot	Universal slot
Output Type	PCI-E	1 UIO, 1PCI-X	1 PCI-E x16	1 UIO, 1 PCI-E x8	2 PCI-E x8	2 UIO	1 PCI-X, 1 PCI-E x8
Speed Type	PCI-E x16	PCI-E x8, PCI-X 133/100/66 MHz	PCI-E x16	PCI-E x8	PCI-E x8	PCI-E x8	133/100/66 MHz, PCI-E x8
Compatible MB	X8DTL Series, H8SMi-2, H8QME-2+, X7QC3/E, X7SB3-F, X7DCL-i/3	PDSMU, X7DBU, H8SMU, H8DMU+, X7DWU, X7DCU, X7SBU					
Compatible Chassis	SC811, SC812, SC813	SC815TQ-R650U/R450U/560U, SC812L-520U/280U					

Left Slot

Model Part#	RSC-R1UU-UE16	RSC-R2UU-A2XE8	RSC-R2UU-UA3E8(+)	RSC-R2UU-UAX*	RSC-R2UU-A3XE8*	RSC-R2UU-2U
Form Factor	1U	2U	2U	2U	2U	2U
Fit Type	Universal slot	Universal slot	Universal slot	Universal slot	Universal slot	Universal slot
Output Type	1 UIO , 1 PCI-E x8	2x 133/100/66 MHz, 1x PCI-E x8	1 UIO, 3 PCI-E x8	1 UIO, 3 PCI-X	1 PCI-E, 3 PCI-X	2 UIO
Speed Type	1 UIO 1 PCI-E x8	133/100/66 MHz, PCI-E x8	PCI-E x8	PCI-E x8, PCI-X 133/100/66 MHz	PCI-E x8, PCI-X 133/100/66 MHz	PCI-E x8
Compatible MB	X8DTU/-F	PDSMU, X7DBU, X7DWU, X7DCU, X7DGU, X7SBU , X8DTU, X8DTU-F, H8SMU, H8DMU+				
Compatible Chassis	SC825TQ-R700U					

Left Slot

Model Part#	RSC-R2UU-2E8	RSC-R2UU-UE8*	RSC-R2UU-A4E8(+)	RSC-R2UU-3E8G	RSC-R2UU-E8E16
Form Factor	2U	2U	2U	2U	2U
Fit Type	Universal slot	Universal slot	Universal slot	Universal slot	Universal slot
Output Type	2 PCI-E x8	1 UIO, 1 PCI-E x8	4 PCI-E x8	3 PCI-E x8	1 PCI-E x16, 1PCI-E x8
Speed Type	PCI-E x8	PCI-E x8	PCI-E x8	PCI-E x 8	1 PCI-E x16, 1PCI-E x8
Compatible MB	PDSMU, X7DBU, X7DWU, X7DCU, X7DGU, X7SBU , X8DTU, X8DTU-F, H8SMU, H8DMU+			X8DTU	X8DTU/-F
Compatible Chassis	SC825TQ-R700U			SC825TQ-R700U (Rev. K)	

Right Slot

Model Part#	RSC-R1UU-E8PR	RSC-R1UU-E8R+	RSC-R1UU-XR	RSC-R1UU-E8R	RSC-R2UU-2E8R	RSC-R2UU-X2E4R
Form Factor	1U	1U	1U	1U	2U	2U
Fit Type	Universal slot	Universal slot	Universal slot	Universal slot	Universal slot	Universal slot
Output Type	1 PCI-E x8	1 PCI-E x4	1 PCI-X	1 PCI-E x8	2 PCI-E x8	1 PCI-X, 2 PCI-E x4 (in x8 slot)
Speed Type	PCI-E x8	PCI-E x8	133/100/66MHz	PCI-E x8	PCI-E x8	133/100/66MHz, PCI-E x4
Compatible MB	X8DTU/-F, X7DWU, X7DCU	X7DWU, X7DCU, X7SBU, X7DBU, X7DGU, H8SMU, H8DMU+, PDSMU	X7DBU, X7DGU	X7DBU, X7DGU	X7DWU, H8DMU+	X7DGU, X7DBU
Compatible Chassis	SC825TQ-R700U	SC815TQ-R650U/R450U/560U, SC812L-520U/280U	SC815TQ-R650U/R450U/560U, SC812L-520U/280U	SC815TQ-R650U/R450U/560U, SC812L-520U/280U	SC825TQ-R700U	SC825TQ-R700U

* Rev. 2.0 will support X8DTU/-F
(+) Support X8DTU/-F

Riser Cards

Left Slot

Model Part#	RSC-R1UEP-2E8	CSE-RR1U-X	CSE-RR1U-EL	CSE-RR1U-E16	CSE-RR1U-ELi	CSE-RR32-1U	RSC-R1UEP-UE	RSC-R1UXE-HT1
Form Factor	1U	1U	1U	1U	1U	1U	1U	1U
Fit Type	X7DBX-8/i	PCI-X	Universal PCI	PCI-E x16	Universal for PDSMi, PDSMi+, X7SBi	PCI-32	SEPC-E12 (X7DBX-8/i)	PCI-X + HT (H8DSL-HTi)
Output Type	2 PCI-E	PCI-X	PCI-E	PCI-E	PCI-E	PCI-32	PCI-E	HT-HTX
Speed Type	2 PCI-E x8	133/100/66/33MHz	PCI-E x8	PCI-E x16	PCI-E x8	33MHz	PCI-E x8	HT-HTX
Position	Left slot	Left slot	Left slot	Left slot	Left slot	Left slot	Left slot	Left slot
Chassis	SC819	SC811, SC812, SC813, SC814, SC815	SC811, SC812, SC813, SC814, SC815	SC811, SC812, SC813	SC811F, SC512F, SC513F	SC813, SC512, SC812, SC811	SC819	SC813, SC812

Left Slot

Model Part#	RSC-R1UEP-A2X	CSE-RR1U-E8	RSC-RR1U-32L	CSE-RR1U-Xi	RSC-RR1UE-AXL	RSC-RR1U-EHT	RSC-RR1U-HT
Form Factor	1U	1U	1U	1U	1U	1U	1U
Fit Type	X7DBX-8/i	PCI-E x8	PCI-32 for PDSML, X7SBi LN2+/LN1+	Universal for PDSMi, PDSMi+, X7SBi	PCI-E x8	PCI-E x8	PCI-E x8
Output Type	2 PCI-X	PCI-E	PCI-32	PCI-X	PCI-X	PCI-E x8 + HT	PCI-E x8 + HT
Speed Type	133/100/66/33MHz	PCI-E x8	33MHz	133/100/66/33 MHz	133/100/66/33 MHz	PCI-E	PCI-E
Position	Left slot	Left slot	Left slot	Left slot	Left slot	Left slot	Left slot
Chassis	SC819	SC811, SC812, SC813, SC818+	SC811, SC512, SC513, SC813M	SC811F, SC512F, SC513F	SC818	SC818+	SC818+

Right Slot

Model Part#	CSE-RR1U-XLP	CSE-RR1U-XR	CSE-RR1U-ELP	CSE-RR1U-ER	RSC-R2UXE-XE8R	RSC-R2UE-2E4R
Form Factor	1U	1U	1U	1U	2U	2U
Fit Type	PCI-X	PCI-X	Universal SXB-C	Universal SXB-E	Universal SXB-E	PCI-E x8
Output Type	PCI-X low-profile	PCI-X full-size	PCI-E	PCI-E	1 PCI-X, 1 PCI-E	2 PCI-E
Speed Type	133/100/66/33MHz	133/100/66/33MHz	PCI-E x8 low-profile	PCI-E x8 low-profile	133MHz & PCI-E x8	2 PCI-E x4
Position	right slot	right slot	right slot	right slot	right slot	right slot
Chassis	SC812, SC813, SC815	SC814, SC816, SC819	SC812, SC813, SC815	SC814, SC816, SC819	SC825RC2, SC826RC2	SC825RC2, SC826RC2

Left Slot

Model Part#	RSC-R2UXE-X2E8	CSE-RR2U-X33	RSC-R2U-A3E8+	CSE-RR2UE-AX	RSC-R2UE-A3E8
Form Factor	2U	2U	2U	2U	2U
Fit Type	Universal SXB-E	PCI-X	PCI-E X8	PCI-E x8 with SEPC	PCI-E x8 with SEPC
Output Type	1 PCI-X & 2 PCI-E	2 slots PCI-X	3 slots PIC-E X8	3 slots PCI-X	3 slots PCI-E x8
Speed Type	133MHz & 2 PCI-E x8	133/100/66MHz	133/100/100MHz	133/100/100MHz	PCI-E x8
Position	left slot	left slot	left slot	left slot	left slot
Chassis Type	SC825RC2, SC826RC2	SC823	SC825TQ, SC826TQ, SC216E1, SC216E2, SC213A/MTQ	SC825RC, SC826RC, SC823	SC825RC, SC826RC, SC823

	AOC-SIMLP-3(+)	AOC-SIMLP-B(+)	AOC-SIMSO(+)	AOC-SIM1U(+)	AOC-SIMLC(+)
Description	IPMI 2.0 with virtual media over LAN & dedicated LAN & 3rd Data LAN port	IPMI 2.0 with virtual media over LAN & dedicated LAN	IPMI 2.0 with virtual media over LAN & dedicated LAN	IPMI 2.0 with virtual media over LAN & dedicated LAN	IPMI 2.0 with virtual media over LAN
Connector on Card	Dedicated LAN & 3rd Data LAN ports	Dedicated LAN	Mini USB w/8" cable for dedicated LAN*	Mini USB w/8" cable for dedicated LAN*	-
Dimensions	5.1" x 2.7"	5.1" x 2.7"	2.7" x 1.7"	4.6" x 1.3"	4.6" x 1.3"
(+): Optional Advanced Features	KVM-over-LAN	KVM-over-LAN	KVM-over-LAN	KVM-over-LAN	KVM-over-LAN
Optimized Chassis	2U and above	2U and above	1U and above	1U and above	1U and above
Bracket	Standard & low-profile	Standard & low-profile	Standard & low-profile*	Standard & low-profile*	-

For + revision only.

	SIMSO-HTC	SIMLC-HTC	AOC-SIM1U-3B(+)	AOC-SIM1U-3D	AOC-SIM1U-3B(+) with AOC-SIM1U-3D
Description	IPMI 2.0	IPMI 2.0	IPMI 2.0 with virtual media over LAN	Dedicated LAN & 3rd Data LAN ports (works in conjunction with AOC-SIM1U-3B(+) - See figure above)	
Connector on Card	-	-	PCI-E x8 (for AOC-SIM1U-3B only)	-	
Dimensions	2.7" x 1.7"	4.4" x 1.3"	4.4" x 1.3"	3.2" x 2.4"	
(+): Optional Advanced Features	No KVM	No KVM	KVM-over-LAN	-	
Optimized Chassis	1U and above	1U and above	SC814, SC816, SC819	SC814, SC816, SC819	
Bracket	-	-	-	-	

IPMI 2.0 for Xeon® 800/533/400 MHz FSB & Pentium® D/ Pentium® 4 1066/800/533 MHz FSB

	AOC-LPIPMI-LANG	AOC-LPIPMI	AOC-1UIPMI-B	AOC-IPMI20-E	AOC-1UIPMI-LANG
Description	Low-profile IPMI 2.0 with 3rd LAN	Low-profile IPMI 2.0	1U IPMI 2.0	IPMI 2.0	Intel® 82541 Gigabit LAN controller (works in conjunction with AOC-1UIPMI-B)
Fit Type	2U and above	2U and above	1U	SO socket	-
Key Features	IPMI over LAN	IPMI over LAN	IPMI over LAN	IPMI over LAN	-
Dimensions	5.1" x 2.8"	5.1" x 2.8"	5.2" x 1.4"	2.5" x 1.97"	4.5" x 2.4"
3rd LAN Option	3rd LAN port included	-	AOC-1UIPMI-LANG	-	-

SuperDoctor® III *Server Management*

System Information	Health Monitoring	Performance Monitoring	Remote Control	Administration	Systems Management	Local GUI Management

*Note: IPMI + KVM with dedicated LAN available onboard with all (F) version motherboards.

Front Bezels

1U LCD Bezel Key Features:

. Compatible with SC813, SC813M, SC815, SC816 series
. 6 Function buttons (Up, Down, Left, Right, Select, Cancel)
. 2-lines x 16-character backlit LCD
· USB interface (no extra driver required)

. User programmable (Linux & Windows programing library provided)
. Requires removal of floppy drive to install LCD bezel
. Key lock for security

Model Part #	MCP-210-00007-02	MCP-210-00007-01
1U Rackmount		
Compatible Chassis	SC813, SC813M, SC815 series	SC813, SC813M, SC815 series

Model Part #	CSE-PTFB-813L	CSE-PTFB-813LB
1U Rackmount		
Compatible Chassis	SC813, SC813M, SC815, SC818 series	SC813, SC813M, SC815, SC818 series

Model Part #	CSE-PTFB-813-02	CSE-PTFB-813-02B
1U Rackmount		
Compatible Chassis	SC813, SC813M, SC815, SC818 series	SC813, SC813M, SC815, SC818 series

Model Part #	CSE-PTFB-812	CSE-PTFB-812B
1U Rackmount		
Compatible Chassis	SC812 series (not compatible with SC812L series)	SC812 series (not compatible with SC812L series)

Model Part #	CSE-PTFB-820	CSE-PTFB-820B
2U Rackmount		
Compatible Chassis	SC823 series	SC823 series

Model Part #	MCP-210-82503-0B	MCP-210-82601-0B
2U Rackmount		
Compatible Chassis	SC825 series	SC826, SC213, SC216, SC827 series

Model Part #	MCP-210-83501-0B	MCP-210-83601-0B
3U Rackmount		
Compatible Chassis	SC835 series	SC836 series

Model Part #	MCP-210-84601-0B	
4U Rackmount		
Compatible Chassis	SC846/SC848 series	

Power Supply Solutions

Model	PWS-865-PQ	PWS-665-PQ	PWS-465-PQ	PWS-303-PQ	PWS-401-2H	PWS-652-2H
Total Output Power	865W	665W	465W	300W	400W	650W
Input	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz
Form Factor	Extended ATX, PS2	Extended ATX, PS2	Standard ATX	Standard ATX	2U	2U
Dimension (L x W x H) cm	18.5 x 15 x 8.6	18.5 x 15 x 8.6	14 x 15 x 8.6	14 x 15 x 8.6	30 x 10.6 x 8.32	30 x 10.6 x 8.32
Output Type*	24 Pin ATX Cable Output	24Pin ATX Cable Output	24 Pin ATX Cable Output	24 Pin ATX Cable Output	24 Pin ATX Cable Output	24 Pin ATX Cable Output
Redundant	N/A	N/A	N/A	N/A	N/A	N/A
I2C Remote Monitoring	SMBus	N/A	N/A	N/A	N/A	SMBus
+5V	30A	30A	20A	20A	30A	30A
+12V	70A	54A	35A	12V1 11A, 12V2 11.5A	32A	54A
+3.3V	30A	24A	15A	16A	25A	25A
5VSB	6.5A	6A	3A	2A	4A	4A
-12V	1A	.5A	.5A	.15A	.5A	.5A
Application	Workstation, Server, Gaming Machine, Desktop				High Availability Server, Datacenter, Networking	
Efficiency	80 PLUS	80 PLUS BRONZE	80 PLUS	80 PLUS BRONZE	80 PLUS	80 PLUS

Model	PWS-562-1H/1H20	PWS-333P-1H/1H20	PWS-323-1H	PWS-721P-1R	PWS-1K21P-1R	PWS-1K41P-1R	PWS-1K41F-1R
Total Output Power	560W	330W	320W	720W	1000W/1200W	1100W/1400W	1200W/1400W
Input	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz
Form Factor	1U	1U	1U	1U	1U	1U	1U
Dimension (L x W x H) cm	28 x 7.6 x 4	28 x 7.6 x 4	22 x 10 x 4	36 x 7.6 x 4	36 x 7.6 x 4	36 x 7.6 x 4	28.5 x 10.5 x 4
Output Type*	20 or 24 Pin ATX Cable Output	20 or 24pin ATX Cable Output	20 or 24pin ATX Cable Output	Backplanes Available	Backplanes Available	Backplanes Available	Backplanes Available
Redundant	N/A	N/A	N/A	Yes	Yes	Yes	Yes
I2C Remote Monitoring	SMBus	SMBus and PMBus	N/A	PMBus	SMBus and PMBus	SMBus and PMBus	SMBus and PMBus
+5V	15A	15A	15A	59A	-	-	-
+12V	46.5A	27A	26A (100-140Vac) / 31A (180-240Vac)	-	83A (100-140Vac) / 100A (180-240Vac	92A (100-140Vac) / 116A (180-240Vac	100A (100-140Vac) / 116A (180-240Vac
+3.3V	15A	15A	15A	-	-	-	-
5VSB	2A	3A	3A	3A	4A	4A	4A
-12V	.5A	.5A	.5A	-	-	-	-
Application	High Availability Server, Datacenter, Networking			High Performance, Storage, Networking			
Efficiency	80 PLUS SILVER			80 PLUS GOLD	80 PLUS GOLD		

Consult website for all cable output connectors.

With advanced in-house design building blocks and uncompromising quality control, Supermicro's expert engineers have created a wide range of high-performance, high-reliability, and cost-effective solutions. Supermicro's first-to-market offerings provide fully optimized functionality, compatibility and a system integration "quality guarantee" for mission-critical applications. To ensure customers peace of mind, all of Supermicro's Server Building Block Solutions® must pass a strict validation process, and our "one-stop shop" capability will assure their business success.

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Supermicro's engineering expertise has produced more that 250 Xeon®/Pentium®-based serverboards and over 500 optimized chassis. With these state-of-the-art Server Building Block Solutions® and outstanding technical support, customers can be assured of the industry's best, most optimized solutions for their IT problems. They will be much better able to ramp up their business quickly and successfully with a reduced total cost of ownership.

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Supermicro's SAS II (Serial Attached SCSI) products provide superior performance, advanced scalability, better compatibility, and a zero price premium when compared to SAS I solutions. The second-generation SAS II link speed doubles the data transfer rate to 6.0Gbps and is backward compatible with SAS I.

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