SUPERMICR⬤®

Server Building Block Solutions®

DP, UP & MP Xeon® Serverboards
Enterprise Server Chassis
High-End Workstation Solutions
GPU-Enabled Servers and Workstations
Storage (SAS 2.0) & Networking (10GbE/IB) Solutions
100% Redundant Cooling Designs
Remote Management Features, and More ...

November 2009

GPU

Massively Parallel Processing

High Performing, Heterogeneous Hybrid CPU+GPU Server Solutions 960+ Processing Cores with 4 Double-Width GPU Cards in 4U System

Chassis provides:
11 PCI-E
Full-Height
Full-Length
Expansion
Slots

Workstation provides:
Maximum
4 Double-Width GPUs
+ 2 FH/FL &
*1 FH/HL I/O Cards*

80 PLUS GOLD

Gold Level
80 PLUS® Certified
Power Supplies

93% Power Efficiency
For TCO improvement and
earth-friendly computing

SuperWorkstation 7046GT-TRF
SC747TQ-R1400 Chassis + X8DTG-QF Serverboard

GPU 1
(Double-width)

GPU 2
(Double-width)

Two TFLOP GPUs
in 1U
The world's first and only
GPU-optimized 1U server!
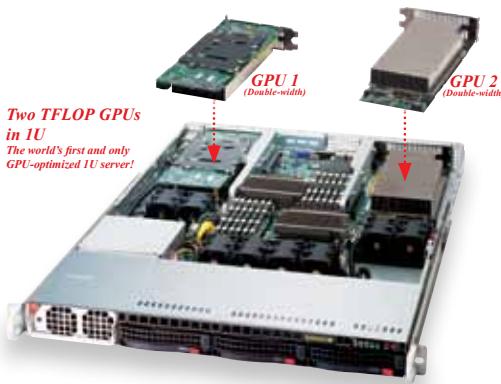
SuperServer 6016GT-TF-TM2
SC818G-1400B Chassis + X8DTG-DF Serverboard

X8DTG-DF	X8DTG-QF	X8DAH+(-F)	X8DTH-6(F)/ X8DTH-i(F)
2 PCI-E 2.0 x16 1 PCI-E 2.0 x4	4 PCI-E 2.0 x16 2 PCI-E 2.0 x4 (in x16 slots) 1 PCI-E x4 (in x8 slot) 2 PCI	2 PCI-E 2.0 x16 4 PCI-E 2.0 x8 (1 in x16 slot) 1 PCI-E 2.0 x4 (in x8 slot)	7 PCI-E 2.0 x8 (all in x16 slots)

The SC747TQ-R1400 server/workstation chassis offers an unprecedented 11 full-height, full-length PCI-E expansion slots and 4 sets of 6-pin and 8-pin power connectors to support up to 4 double-width GPU cards, an industry first. Optimized redundant power and cooling includes high-efficiency (93%) Gold Level 1400W power supplies with PMBus support and 4 hot-swap cooling fans plus 2 hot-swap exhaust fans incorporating advanced fan speed controls, to accommodate the most demanding GPU applications. The 8 hot-swap SAS/SATA HDDs offer exceptional storage capacity, and three 5.25'' storage modules rotate 90º to flexibly accommodate tower or rack-mountable configurations.

Supermicro also offers powerful GPU based systems utilizing the SC818G-1400B chassis. The SS6016GT-TF-TM2 accommodates an X8DTG-DF motherboard and two NVIDIA® Tesla M1060 GPUs, while the SS6016GT-TF includes the X8DTG-DF motherboard only, allowing customers to incorporate their own GPUs.

Twin Family

Unrivaled Efficiency and Performance · Cost-Effective with High Reliability/Density

2U Twin
6x 3.5" HDDs Per Node & Per 1U

Optional GPU Solution: supports 1x double-width GPU or 2x FH/FL cards per node*

80 PLUS GOLD
Gold Level
80 PLUS® Certified
Power Supplies

12x 3.5" HDDs
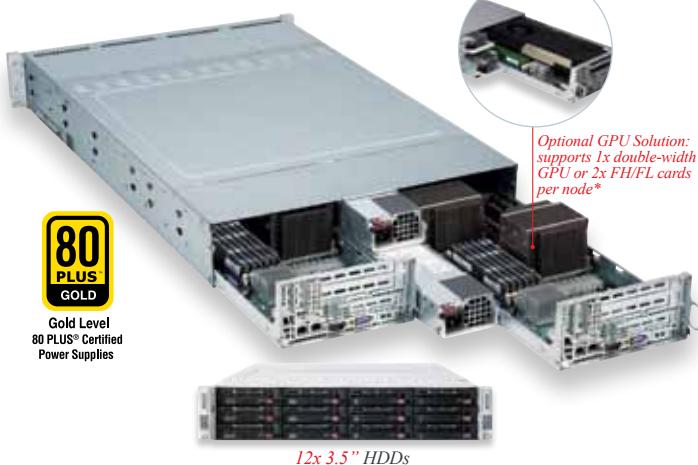
- Two hot-pluggable, cable-less Intel® Xeon® processor 5500 series DP nodes
- Two sets of up to 96GB Reg. ECC DDR3 in 12 DIMMs
- Two sets of 2 PCI-E 2.0 FH/FL cards or 1 double-width GPU
- Two sets of up to 6 hot-swap 3.5" SATA HDDs
- Two ConnectX DDR or QDR InfiniBand controllers
- Two sets of dual Gigabit Ethernet LAN ports
- Two BMC supporting IPMI 2.0, virtual media/KVM over LAN
- Redundant high-efficiency Gold Level (93%+) 1400W power supplies
- Power-efficient serverboard and cooling subsystems

2U Twin²™
Four DP Nodes in 2U

4 hot-pluggable DP nodes

80 PLUS GOLD
Gold Level
80 PLUS® Certified
Power Supplies

12x 3.5" HDDs   *24x 2.5" HDDs*

- Four independent hot-pluggable, cable-less Intel® Xeon® processor 5500 series DP nodes
- Four sets of up to 96GB Reg. ECC DDR3 in 12 DIMMs
- Four sets of PCI-E 2.0 x16 slots
- Four sets of 3 hot-swap 3.5" SATA HDDs (6026TT) or 6 hot-swap 2.5" SATA HDDs (2026TT)
- Four ConnectX DDR or QDR InfiniBand controllers
- Four sets of dual Gigabit Ethernet LAN ports
- Four BMC supporting IPMI 2.0, virtual media/KVM over LAN
- High-efficiency Gold Level (93%+) 1400W power supply with optional 1+1 redundancy
- Power-efficient serverboard and cooling subsystems

X8DTT-HIBQ(F)(+)
X8DTT-HIBX(F)(+)
(Cable-less)

X8DTT-H(F)(+)
(Cable-less)

X8DTT-IBQ(F)
X8DTT-IBX(F)

X8DTT-F

X7DCT

X7SBT

The Supermicro **Twin Family** is truly revolutionary. With four DP nodes in a 2U space, the **2U Twin²**™ delivers world-class performance and energy efficiency in a small but powerful package. The new **2U Twin** with two hot-swap motherboard modules in 2U supports two PCI-E 2.0 FH/HL add-on cards per node. This newest addition to the Twin Family can optionally support 1 double-width GPU card per node, and provides 6x hot-swap 3.5" SATA HDD bays with SESII support per 1U server node (12x HDDs total). Optimized redundant Gold Level power and cooling make the **2U Twin** and **2U Twin²**™ the best choices for HPC, datacenter, and cost-effective blade applications. Together with the award-winning **1U Twin**™ systems, Supermicro continues its Twin technology and offers the most advanced and complete HPC solutions in the world.

* GPU solution for OEM customers only: 6026GT-HTRF / -HIBXRF / -HIBQRF

New Generation UP
Higher Performance, Better Efficiency

- LSI 2008 8-port **6Gb/s SAS (SAS 2.0)**
- Dual LAN with Intel® 82574L Gigabit Ethernet
- Matrox G200eW Graphics
- IPMI 2.0 + KVM with dedicated LAN

- Intel® Xeon® Processor 3400 series supported
- Up to 16GB/32GB Unb. Reg. ECC
  DDR3 1333/1066/800 SDRAM in 6 DIMMs
- Intel® 3420 chipset

- 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
- 560W high-efficiency power supply
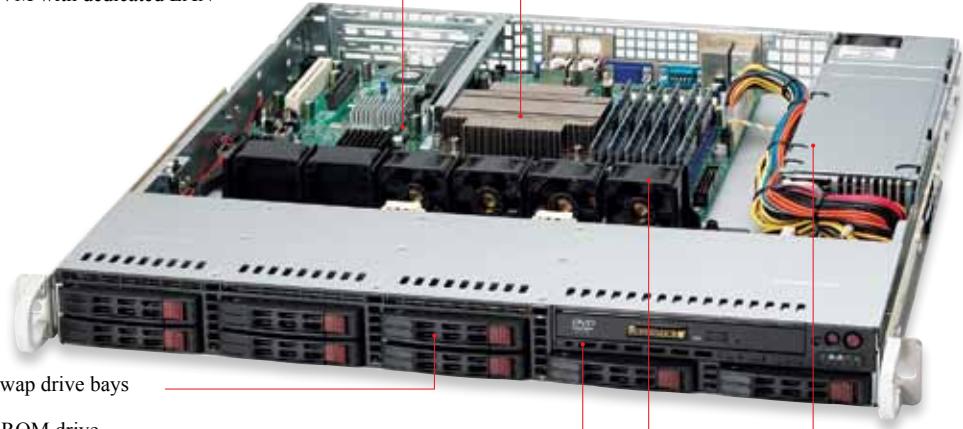
SuperServer 1016I-M6F

X8SI6-F Serverboard + SC113MTQ-560 Chassis

SAS 2.0

X8SIL	X8SIL-F	X8SIE/-F/LN4	X8SI6-F
2 PCI-E 2.0 x8	2 PCI-E 2.0 x8	1 PCI-E 2.0 x16	1 PCI-E 2.0 x8 (in x16 slot)
1 PCI-E 2.0 x4 (in x8 slot)	1 PCI-E 2.0 x4 (in x8 slot)	1 PCI-E 2.0 x4 (in x8 slot)	1 PCI-E 2.0 x4 (in x8 slot)
1 PCI-32	1 PCI-32	1 PCI-32	1 PCI 32

New-Generation UP Server Building Block Solutions®

Supermicro's new-generation UP motherboards based on the Intel® 3420/3400 chipset provide high-value integrated features such as 6Gb/s SAS (SAS 2.0), PCI-E 2.0, and IPMI 2.0 at lower price points than earlier generation products. The Intel® Xeon® 3400 processor and Intel® 3420/3400 chipset is itself a cost-optimized two-chip solution that improves power consumption while increasing overall system performance. Enhanced design features such as 90%+ power-efficient VRMs reduce power consumption while the common serverboard design lowers costs and improves Time-to-Market.

Supermicro's new-generation UP server systems offer all the advantages of Supermicro's advanced motherboard designs. In addition, advanced system-level features are supported including 2.5" and 3.5" HDDs with RAID support, Gold Level high-efficiency power supplies, and optimized cooling systems. Supermicro's flexible Server Building Block Solutions® makes this the most complete line of advanced UP motherboards and systems in the industry.

High-Performance
6Gb/s SAS (SAS 2.0) & IPMI Onboard Server Board

SUPER● X8DT6(-F)

Supermicro offers the ultimate in high-speed networking with the powerful SUPER● **X8DT6** serverboard. This high-performance 6Gb/s SAS2 solution raises the bar in enterprise storage by doubling the bandwidth and offering superior scalability, reliability and enhanced features.

6Gb/s SAS offers a number of significant improvements over 3Gb/s SAS and SATA such as 6Gb/s data transfer rates and standardized zoning as well as support for cable lengths of up to 10 meters to ensure storage integrity in large cluster and datacenter deployments. The 6Gb/s SAS controllers also interact with expanders and other infrastructure devices to improve system diagnostics, status, management, configuration and initialization. 6Gb/s SAS enhances system robustness and enable larger storage topologies through multi-device interoperability.

With support for advanced server features such as 4 PCI-E 2.0 slots, integrated graphics, onboard IPMI, dual Gigabit Ethernet controller, and support for the latest DDR3 memory and Intel® Xeon® CPU and chipset, the X8DT6 is a powerful tool enabling customers to improve their storage networking performance without having to pay a price premium. With Supermicro's trademark high-efficiency designs and components, customers will experience low TCO with this high quality serverboard solution.

Key Features
- Dual Intel® 5500 series Xeon® Quad/Dual-Core, with QPI up to 6.4 GT/s
- Intel® 5520 Chipset
- Up to 96GB DDR3 1333/1066/800MHz ECC Registered DIMM/ 24GB Unbuffered DIMM
- Dual Intel® 82574L Gigabit Ethernet Controller
- 6 SATA2 (3 Gbps) Ports via ICH10R Controller
- 3 PCI-E 2.0 x8, 1 PCI-E 2.0 x4 and 1 PCI-E x4 slot
- Integrated Matrox G200eW Graphics
- 8 USB 2.0 ports
- LSI 2008 8-Port 6Gbps SAS Controller; RAID 0,1,10
- Onboard IPMI with virtual media over LAN & KVM-over-LAN (F version)
- 12" x 13" Ext. ATX form factor

Best Price/Performance
6Gb/s SAS (SAS 2.0) & IPMI Onboard 1U Optimized Server Board

SUPER● X8SI6-F

The SUPER● **X8SI6-F** motherboard is based on the Intel 3420 chipset, a cost-optimized two-chip solution that supports lower power consumption while increasing overall performance. The X8SI6-F features a 90%+ VRM power efficiency, which reduces power consumption and the total cost of ownership. Support for the latest Intel® Xeon® processor 3400 series provides over 50% more performance as compared to the previous generation single-processor server platforms.

Supports Registered DIMM (RDIMM) and Un-Buffered (UDIMM) Memory: The Intel® Xeon® processor 3400 series features an Integrated Memory Controller (IMC) and supports up to 16 GB Un-Buffered (UDIMM) DDR3 ECC memory, or up to 32 GB of DDR3 ECC RDIMM memory, which also provides lower power consumption and better performance as compared to DDR2 memory.

On-Board LSI 2008 SAS Controller: The X8SI6-F features an on-board LSI 2008 8-Port SAS Controller that doubles the bandwidth to 6 Gb/s and offers performance, reliability, and scalability to enterprise-class storage solutions.

Key Features
- Intel® Xeon® Processor 3400 Series
- Intel® 3420 chipset
- Up to 16 GB ECC Un-Buffered (UDIMM) DDR3 at 1333/1066/800 MHz
- Up to 32 GB ECC Registered (RDIMM) DDR3 at 1333/1066/800 MHz
- 1 PCI-E 2.0 x8 (in x16), 1 PCI-E x4 (in x8), and 1 32-bit PCI Slot
- 6 SATA Ports with RAID 0,1,10 Support
- 8 SAS Ports via LSI 2008 SAS Controller
- Dual Intel 82574L Gigabit Ethernet Controllers
- Integrated IPMI 2.0 with dedicated LAN
- Integrated Matrox G200eW Graphics Engine with 16 MB Memory
- 8 USB 2.0 Ports
- 12" x 9.6" ATX Form Factor

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   Chassis by Form Factor

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SUPER
SERVER
SOLUTION

MODEL	X8DTN+	X8DAH+(-F)	X8DTG-DF	X8DTG-QF
Processor	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series
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	Dual 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	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	2 PCI-E 2.0 x8 (1 in x16 slot) 1 PCI-E x4 (in x8 slot) 2 PCI-X 133/100 1 PCI-X 133 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 (in x8 slot)	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 (in x16 slots) 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)	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 (-F version 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 conn.	1 fast UART 16550 serial	7.1 HD audio 1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard conn.
Manageability	IPMI 2.0: AOC-SIMLP-B(+); AOC-SIMLP-3(+) with 3rd LAN support, Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (-F version 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

† *Supermicro chassis required for optimal functionality and performance*

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
- Motherboards supported: X8DTG-DF and X8/H8 Twin MB

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SC747TQ-R1400

- 11x full-height, full-length PCI-E expansion slots
- 1400W Gold Level high-efficiency Redundant (1+1) power supply
- 8x 3.5" hot-swap SATA drive bays, 3x fixed 3.5" device bays
- 4x 92mm hot-swap fans and 2x 80mm hot-swap exhaust fan
- Motherboard supported: 15.2" x 13.2" & E-ATX

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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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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 slots
- 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

1U	SC113TQ-560C
	• Certain configuration
	* Heatsink: SNK-P0037P
	* Riser card: CSE-RR1U-E8
	SC113TQ-700C
	* Heatsink: SNK-P0037P
	* Riser card: CSE-RR1U-E8
	SC815TQ-560C
	• Certain configuration
	* Heatsink: SNK-P0037P
	* Riser card: CSE-RR1U-E8
	SC815TQ-700C
	SC815TQ-720C
	* Heatsink: SNK-P0037P
	* Riser card: CSE-RR1U-E8
			SC818G-1400B
			* Heatsink: SNK-P0037P
			* Riser card:
			  Left: RSE-R1UG-E16
			  Right: RSE-R1UG-E16R
			  or Middle: RSE-R1UG-UR, RSE-R1U-E16R	

2U	SC213A-R900LP[†] SC213E1-R900LP[†] SC216A-R900LP[†] SC216E1-R900LP[†] SC216E2-R900LP[†] * Heatsink: SNK-P0038P SC823MTQ-R700LP SC825MTQ-R700LP * Heatsink: SNK-P0037P SC825TQ-560LP • Certain configuration * Heatsink: SNK-P0038P SC825TQ-R700LP SC825TQ-R720LP SC826A-R1200LP[†] SC826E1/E2/TQ-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 • Certain configuration * Heatsink: SNK-P0038P SC825TQ-R700LP SC825TQ-R720LP SC826A-R1200LP[†] SC826E1/E2/TQ-R800LP[†] * Heatsink: SNK-P0038P		
3U/ Mid-Tower	SC835TQ-R800 SC836A-R1000[†] SC836E1/E2/TQ-R800[†] SC836E1/E2/TQ-R900[†] SC936A-R1200[†] SC936A-R900[†] SC936E1/E2-R900[†] * Heatsink: SNK-P0038P	SC835TQ-R800 SC836A-R1000[†] SC836E1/E2/TQ-R800[†] SC836E1/E2/TQ-R900[†] SC936A-R1200[†] SC936A/E1/E2-R900[†] * Heatsink: SNK-P0038P		
4U/ Tower	SC745TQ-800 SC745TQ-R800 SC846A-R1200[†] SC846E1-R900[†] SC846E2-R900[†] SC846TQ-R900[†] * Heatsink: SNK-P0038P	SC745TQ-800 SC745TQ-R800 SC846A-R1200[†] SC846E1-R900[†] SC846E2-R900[†] SC846TQ-R900[†] * Heatsink: SNK-P0038P		SC747TQ-R1400 * Heatsink: SNK-P0035AP4

Note - When ordering please select the Rev. K version of your chassis for support of Intel® Xeon® Processor 5500 Series motherboards.
[†] HDD controller card is needed.
* Sold separately.

	SAS 2.0 **7 PCI-E 2.0 Slots**	**SAS 2.0** **5 PCI-E Slots**	**6 PCI-E Slots**	**SAS/** **Quad LAN**
MODEL	X8DTH-6/6F X8DTH-i/iF	X8DT6(-F)	X8DTE(-F)	X8DT3/i(-F) X8DT3/i-LN4F
Processor	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series
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 6.4 GT/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 (all in x16 slots)	3 PCI-E 2.0 x8 1 PCI-E 2.0 x4 1 PCI-E x4	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 (in x8 slot) 2 PCI X8DTi(-F): 1 PCI-E 2.0 x16 2 PCI-E 2.0 x8 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) LSI 2008 8-port 6Gb/s SAS (SAS2) 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 6Gb/s SAS (SAS2) controller RAID 0,1,10	Intel® ICH10R for 6 SATA2 (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 (X8DT3-(F) & X8DT3-LN4F only) AOC-iButton68 (RAID 5) for X8DT3-(F) & X8DT3-LN4F
Onboard LAN	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82574L 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)
Onboard VGA	Matrox G200eW	Matrox G200eW	Matrox G200eW	Matrox G200eW
USB Ports	Up to 8 USB 2.0 ports	Up to 6 USB 2.0 ports	Up to 6 USB 2.0 ports	Up to 8 USB 2.0 ports
Other Onboard I/O Devices	1 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.	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	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 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 & -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 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
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

Optimized Chassis and Accessories

SC213A-R720LPB (p. 62)
- 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

SC836A-R1200B (p. 72)
- 1200W high-efficiency (1+1) redundant power supply (Gold Level 93%)
- 16x 3.5" hot-swappable SAS/SATA drive bays
- 1 x Slim DVD-ROM Drive (optional)
  1 x slim Floppy drive (optional)
- Mini-I-Pass (SFF 8087) connectivity
- 3x 8cm hot-swap 4-pin PWM Fans
  2x 8cm rear-exhaust 4-pin PWM fans

SC743TQ-865B-SQ (p. 85)
- 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 slots
- 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
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
2U	SC213A-R900LP SC216A-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-R1200LP SC826TQ-R800LP * Heatsink: SNK-P0038P	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-R1200LP† SC826E1/E2/TQ-R800LP† * Heatsink: SNK-P0038P	SC213A-R900LP SC216A-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-R1200LP† 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-R1200LP† SC826E1-R800LP† SC826E2-R800LP† SC826TQ-R800LP† * Heatsink: SNK-P0038P	SC213A-R720LP 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-R1200LP† 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-R1200LP† SC826E1-R800LP† SC826E2-R800LP† SC826TQ-R800LP† * Heatsink: SNK-P0038P
3U/ Mid-Tower	SC833T-550/650/R760 SC835TQ-R800 SC836A-R1200† SC836TQ-R800† SC836TQ-R900† SC933T-R760† SC936A-R1200† SC936A-R900† * Heatsink: SNK-P0038P	SC833T-550/650/R760 SC835TQ-R800 SC836A-R1200† SC836E1/E2/TQ-R800† SC836E1/E2/TQ-R900† SC933E1/E2-R760† SC933T-R760† SC936A-R1200† SC936A-R900† SC936E1/E2-R900† * Heatsink: SNK-P0038P	SC833T-550 SC833T-650 SC833T-R760 SC835TQ-R800 SC836A-R1200† SC836TQ-R800† SC836TQ-R900† SC933T-R760† SC936A-R1200† SC936A-R900† * Heatsink: SNK-P0038P	SC833T-550 SC833T-650 SC833T-R760 SC835TQ-R800 SC836A-R1200† SC836E1-R800† SC836E1-R900† SC836E2-R800† SC836E2-R900† SC836TQ-R800† SC836TQ-R900† SC933E1-R760† SC933E2-R760† SC933T-R760† SC936A-R1200† SC936A-R900† SC936E1-R900† SC936E2-R900† * Heatsink: SNK-P0038P	SC833T-550 SC833T-650 SC833T-R760 SC835TQ-R800 SC836A-R1200† SC836E1-R800† SC836E1-R900† SC836E2-R800† SC836E2-R900† SC836TQ-R800† SC836TQ-R900† SC933E1-R760† SC933E2-R760† SC933T-R760† SC936A-R1200† SC936A-R900† SC936E1-R900† SC936E2-R900† * Heatsink: SNK-P0038P	SC833T-550 SC833T-650 SC833T-R760 SC835TQ-R800 SC836A-R1200† SC836E1-R800† SC836E1-R900† SC836E2-R800† SC836E2-R900† SC836TQ-R800† SC836TQ-R900† SC933E1-R760† SC933E2-R760† SC933T-R760† SC936A-R1200† SC936A-R900† SC936E1-R900† SC936E2-R900† * Heatsink: SNK-P0038P
4U/ Tower	SC846A-R1200† SC846TQ-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-R1200† 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-R1200† 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-R1200† 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-R1200† 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-R1200† 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

Note - When ordering please select the Rev. K version of your chassis for support of Intel® Xeon® Processor 5500 Series motherboards.
† HDD controller card is needed.
* Sold separately.

SUPER○ SERVER SOLUTION

MODEL	X8DTT(-F)	X8DTT-IBX(F) X8DTT-IBQ(F)	X8DTT-H(F)+ X8DTT-HIBX(F)+ X8DTT-HIBQ(F)+	X8DTT-H(F) X8DTT-HIBX(F) X8DTT-HIBQ(F)
Processor	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series
Chipset/System Bus	Intel® 5500 chipset with QPI up to 6.4GT/s	Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5500/5520 chipset with QPI up to 6.4GT/s	Intel® 5500/5520 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† 6.8"W x 16.64"H	Proprietary† 6.8"W x 16.64"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	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 X8DTT-HIBX(F)+: ConnectX DDR InfiniBand w/ QSFP connector X8DTT-HIBQ(F)+: ConnectX QDR InfiniBand w/ QSFP connector	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 4 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® 82574L Gigabit Ethernet	Dual LAN with Intel® 82574L Gigabit Ethernet
Onboard VGA	Matrox G200eW	Matrox G200eW	Matrox G200eW	Matrox G200eW
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 fast UART 16550 serial 1 QSFP connector	1 fast UART 16550 serial 1 QSFP connector (X8DTT-HIBX(F)+/-HIBQ(F)+ only)	1 fast UART 16550 serial 1 QSFP connector (X8DTT-HIBX(F)/-HIBQ(F) only)
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	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 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

* Please check "Test Memory List" on Supermicro website for compatibility.
† Supermicro chassis required for optimal functionality and performance

SC827H-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

(Rear view)
(p. 60)

(Front view)
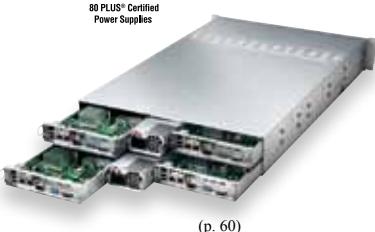
SC217HQ-R1400B

2U Twin with High Storage Capacity
- Hot-swappable module design for easy system upgrade, installation and maintenance
- 4x Hot-swap motherboard modules in 2U space, supports X8DTT-H(+) motherboards
- Redundant (1+1) 1400W Gold Level (93%+) power supply with PMBus function
- 24x 2.5" hot-swap SAS/SATA HDD (6x per node) with SESII support
- 4x 80mm heavy duty fans with PWM fan speed control

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SC827HD-R1400B

Two DP Nodes in 2U, each node with 2x FH slots and 1x LP slot
- Hot-swappable module design for easy system upgrade, installation and maintenance
- 2x swappable motherboard modules supports X8DTT-H(+) motherboards
- Redundant (1+1) 1400W Gold Level (93%+) power supply with PMBus support
- 12x 3.5" hot-swap SATA drive trays (6x per 1U server node)
- 4x 80mm heavy duty fans with PWM fan speed control

(p. 64)

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 SAS/SATA drive bays per system node
- 3x counter-rotating Fans
- 1x Low-profile slot
- Power switch, reset button

(p. 42)

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. 41)

Chassis \ MB	X8DTT(F) X8DTT-IBQ(F) X8DTT-IBX(F)	X8DTT-H(F)+ X8DTT-HIBQ(F)+ X8DTT-HIBX(F)+	X8DTT-H(F) X8DTT-HIBQ(F) X8DTT-HIBX(F)
SC827H-R1200/1400	* Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R
SC827HD-R1400		* Heatsink: SNK-P0038PS * Riser card: RSC-R1U-E16R	
SC827T-R1200/1400	* Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R		
SC217HQ-R1400		* Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R	* Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R
SC808T-1200	* Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R		
SC808T-780	* Certain configuration * Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R		
SC809T-1200	* Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R		
SC809T-780	* Certain configuration * Heatsink: SNK-P0037P * Riser card: RSC-R1U-E16R		

Note - When ordering please select the Rev. K version of your chassis for support of Intel® Xeon® Processor 5500 Series motherboards.
* Sold separately.
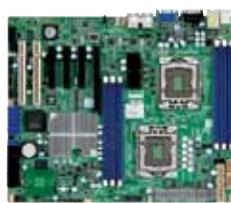
	UIO	**ATX 12"x10" SAS**	**ATX 12"x10" SATA**	**ATX 12"x10" SAS 2.0**
MODEL	X8DTU(-F)	X8DTL-3(F)	X8DTL-i(F)	X8DTL-6(F)
Processor	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series
Chipset/System Bus	Intel® 5520 chipset 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	Intel® 5500 chipset with QPI up to 6.4GT/s
Form Factor	Proprietary† 12.075"W x 13.05"H	ATX 12"W x 10"H	ATX 12"W x 10"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	48 GB of DDR3 Reg. ECC*; 12 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs	48 GB of DDR3 Reg. ECC*; 12 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs	48 GB of DDR3 Reg. ECC*; 12 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)*	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 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 1068E 8-port SAS controller; RAID 0,1,10 AOC-iButton68 (RAID 5)	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 6Gb/s SAS (SAS2) controller; RAID 0,1,10
Onboard LAN	Dual LAN with Intel® 82576 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	Matrox G200eW	Matrox G200eW
Built-in EIDE USB Ports	Up to 8 USB 2.0 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	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.	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 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 & +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, -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, UID	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

* Please check "Test Memory List" on Supermicro website for compatibility.
† Supermicro chassis required for optimal functionality and performance

SC113TQ-R650UB
- 650W redundant 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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SC813MTQ-520C
- 520W high-efficiency power supply
- 4x 3.5" Hot-swap SAS/SATA drive bays
- 1x slim CDROM drive (Optional) 4x 4cm PWM Fans
- 1x full-height, half-length I/O expansion slot
- Power switch / reset

(p. 48)

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
- 4x full-height, full-length I/O 3x low-profile expansion slots

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80 PLUS GOLD
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
- 4x full-height, full-length I/O, 3x low-profile expansion slots

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Chassis \ MB	X8DTU(-F)	X8DTL-3(F)	X8DTL-i(F)	X8DTL-6(F)
1U	SC111T-360U (OEM only) * Certain configuration * Heatsink: SNK-P0037P * Riser card: RSC-R1UU-UE8, RSC-R1UU-2E8, or RSC-R1UU-UAX SC111T-560U / SC113TQ-560U / SC113TQ-700U / SC113TQ-R650U * Heatsink: SNK-P0037P * Riser card: RSC-R1UU-UE8, RSC-R1UU-2E8, or RSC-R1UU-UAX SC812L-280U * Certain configuration * Heatsink: SNK-P0037P * Riser card: RSC-R1UU-UE8, RSC-R1UU-2E8, or RSC-R1UU-UAX SC812L-520U / SC815TQ-560U / SC815TQ-710U / SC815TQ-720U / SC815TQ-R650U * Heatsink: SNK-P0037P * Riser card: RSC-R1UU-UE8, RSC-R1UU-2E8, or RSC-R1UU-UAX	SC111T-360C (OEM only) SC113MTQ-360C (OEM only) SC512F-280 SC811i-280 SC811TQ-280 SC813MTQ-280C * Certain configuration * Heatsink: SNK-P0037P * Riser card: CSE-RR1U-E8 SC111T-560C SC113MTQ-560C SC512F-520/520L SC811i-410/420/520 SC811T-410/420 SC811TQ-520 SC813MTQ/MFTQ-520C * Heatsink: 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 * Heatsink: 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 * Heatsink: SNK-P0037P * Riser card: CSE-RR1U-E8	SC111T-360C (OEM) SC113MTQ-360C (OEM) SC512F-280 SC811i-280 SC811TQ-280 SC813MTQ-280C * Certain configuration * Heatsink: 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 * Heatsink: SNK-P0037P * Riser card: CSE-RR1U-E8

2U	SC823MTQ-R700U / SC825MTQ-R700U
	* Heatsink: 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
	* Heatsink: SNK-P0038P
	* Riser card:
	  RSC-R2UU-UA3E8, RSC-R2UU-UAX, RSC-R2UU-2E8
		SC213A/E1-R900LP
		SC216A/E1/E2-R900LP
		* Heatsink: SNK-P0036A4
		SC523L-520
		* Heatsink: SNK-P0036A4
		SC822T-400LP
		* Certain configuration
		* Heatsink: SNK-P0036A4
		SC823i-650LP
		SC823TQ-650LP
		*Heatsink: SNK-P0036A4
		SC823MTQ-R700LP
		SC825MTQ-R700LP
		*Heatsink: SNK-P0037P
		SC825TQ-560LP/R700LP
		SC825TQ-R720LP
		SC826A-R1200LP †
		SC826E1/E2/TQ-R800LP †
		*Heatsink: SNK-P0036A4
			SC213A/E1-R900LP
			SC216A/E1/E2-R900LP
			* Heatsink: SNK-P0036A4
			SC523L-520
			* Heatsink: SNK-P0036A4
			SC822T-400LP
			* Certain configuration
			* Heatsink: SNK-P0036A4
			SC823i-650LP
			SC823TQ-650LP
			*Heatsink: SNK-P0036A4
			SC823MTQ-R700LP
			SC825MTQ-R700LP
			*Heatsink: SNK-P0037P
			SC825TQ-560LP/R700LP
			SC825TQ-R720LP
			SC826A-R1200LP†
			SC826E1/E2/TQ-R800LP†
			*Heatsink: SNK-P0036A4
				SC213A-R900LP / SC216A-R900LP
				* Heatsink: SNK-P0036A4
				SC523L-520
				* Heatsink: SNK-P0036A4
				SC822T-400LP
				* Certain configuration
				* Heatsink: SNK-P0036A4
				SC823i-650LP / SC823TQ-650LP
				*Heatsink: SNK-P0036A4
				SC823MTQ-R700LP / SC825MTQ-R700LP
				*Heatsink: SNK-P0037P
				SC825TQ-560LP/R700LP / SC825TQ-R720LP
				SC826A-R1000LP / SC826TQ-R800LP†
				*Heatsink: SNK-P0036A4

3U/ Mid-Tower		SC733E-465 SC733i-450/465/645 SC733T/TQ-465 SC733T/TQ-645/665 SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/R760 SC835TQ-R800 SC836A-R1200† SC836E1-R800/R900 † SC836E2-R800/R900 † SC836TQ-R800/R900 † *Heatsink: SNK-P0036A4 SC933E1/E2-R760 SC933T-R760 SC936A-R1200/R900 † SC936E1/E2-R900 † *Heatsink: SNK-P0036A4	SC733E-465 SC733i-450/465/645 SC733T/TQ-465/645/665 SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/R760 SC835TQ-R800 SC836A-R1200† SC836E1/E2/TQ-R800/R900† *Heatsink: SNK-P0036A4 SC933E1/E2/T-R760† SC936A-R1200/R900† SC936E1/E2-R900† *Heatsink: SNK-P0036A4	SC733E-465 SC733i-450/465/645 SC733T/TQ-465/645/665 SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/R760 SC835TQ-R800 SC836A-R1200† SC836TQ-R800/R900† *Heatsink: SNK-P0036A4 SC933T-R760† SC936A-R1200† SC936A-R900† *Heatsink: SNK-P0036A4
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-R1200 † SC846E1/E2/TQ-R900 † *Heatsink: SNK-P0035AP4	SC742T-500 SC743i-465/645/650/R760 SC743T/TQ-R760 SC743T-645/650/665 SC743TQ-865/865-SQ SC745TQ-800/R800 SC846A-R1200† SC846E1/E2/TQ-R900† *Heatsink: SNK-P0035AP4	SC742T-500 SC743i-465/645/650/R760 SC743T/TQ-R760 SC743T-645/650/665 SC743TQ-865/865-SQ SC745TQ-800/R800 SC846A-R1200† SC846TQ-R900† *Heatsink: SNK-P0035AP4

Note - When ordering please select the Rev. K version of your chassis for support of Intel® Xeon® Processor 5500 Series motherboards.
† HDD controller card is needed.
* Sold separately.

**SAS 2.0
PCI-X
Workstation**

**PCI-X
Workstation**

Workstation

**Workstation
ATX 12"x10"**

SUPER●
SERVER
SOLUTION

MODEL	X8DA6	X8DAE	X8DA3 X8DAi	X8DAL-3 X8DAL-i
Processor	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series	Intel® Xeon® Processor 5500 Series
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® 5500 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	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	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	24 GB of DDR3 Reg. ECC; 12 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 6 DIMMs
Expansion Slots	1 PCI-E 2.0 x16 2 PCI-E 2.0 x4 (in x8 slot) 1 PCI-E x4 (in x8 slot) 3 PCI-X 133/100 MHz	1 PCI-E 2.0 x16 2 PCI-E 2.0 x4 (in x8 slot) 1 PCI-E x4 (in x8 slot) 3 PCI-X 133/100 MHz	2 PCI-E 2.0 x16 1 PCI-E x4 (in x8 slot) 3 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 SATA2 (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 2008 8-port 6Gb/s SAS (SAS2) controller; RAID 0,1,10	Intel® ICH10R for 6 SATA2 (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 (X8DA3 only) AOC-iButton68 (RAID 5) for X8DA3	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 (X8DAL-3 only) AOC-iButton68 (RAID 5) for X8DAL-3
Onboard LAN	Dual LAN with Intel® 82574L Gigabit Ethernet	Dual LAN with Intel® 82574L Gigabit Ethernet	Dual LAN with Intel® 82573V/L Gigabit Ethernet	Dual LAN with Intel® 82574L Gigabit Ethernet
Onboard VGA	N/A	N/A	N/A	N/A
Built-in EIDE USB Ports	Up to 9 USB 2.0 ports	Up to 9 USB 2.0 ports	Up to 9 USB 2.0 ports	Up to 8 USB 2.0 ports
Other Onboard I/O Devices	7.1 HD audio 2 IEEE 1394a headers 2 fast UART 16550 serial PS/2 mouse and keyboard conn.	7.1 HD audio 2 IEEE 1394a headers 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.	7.1 HD audio 2 fast UART 16550 serial PS/2 mouse and keyboard conn.
Manageability	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	IPMI 2.0: AOC-SIMLC SuperDoctor® III	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, -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 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	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

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SC747TG-R1400B-SQ
- Redundant (1+1) 1400W Gold-Level power supplies, FCC Class B certified
- Super-quiet 38dB system at normal operation for office environment
- 4x dedicated power connectors (6pin + 8pin) for high-end GPUs
- 8x 3.5" hot-swap SAS/SATA HDDs
- 9x full-height, full-length expansion slots optimized for 4x double width high-end graphic cards
- Advanced fan speed control super-quiet 38dB
- Tower and rackmount configurations

SC743TQ-865B-SQ
- Whisper-Quiet System Chassis (28dB)
- 865W super-quiet high efficiency power supply
- 8x 3.5" SAS/SATA hot-swappable drive bays
- 2x 5.25" peripheral drive bays
- 1x 5.25" drive bay for 3.5" drive
- 100% cooling redundancy with adjustable air Shroud
- 2x front USB ports
- Locking side panel & bezel with filter
- Power switch, reset switch & 6x LED indicators
- 4x 6-pin power connectors
- 90-degree rotatable 5.25" bay module

SC733TQ-665B
- 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	X8DA6/ X8DAE	X8DA3 X8DAi	X8DAL-3	X8DAL-i
2U	SC213A-R900LP SC213E1-R900LP SC216A-R900LP SC216E16-R1200LP SC216E26-R1200LP * Heatsink: SNK-P0038P SC823MTQ-R700LP SC825MTQ-R700LP * Heatsink: SNK-P0037P SC825TQ-560LP SC825TQ-R700LP SC825TQ-R720LP SC826A-R1200LP † 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-R1200LP † SC826E1-R800LP † SC826E2-R800LP † SC826TQ-R800LP † * Heatsink: SNK-P0038P	SC213A/E1-R900LP SC216A/E1/E2-R900LP * Heatsink: SNK-P0036A4 SC523L-520 * Heatsink: SNK-P0036A4 SC823MTQ-R700LP SC825MTQ-R700LP *Heatsink: SNK-P0037P SC825TQ-560LP/R700LP SC825TQ-R720LP SC826A-R1200LP † SC826E1/E2/TQ-R800LP † *Heatsink: SNK-P0036A4	SC213A/E1-R900LP SC216A/E1/E2-R900LP * Heatsink: SNK-P0036A4 SC523L-520 * Heatsink: SNK-P0036A4 SC823MTQ-R700LP SC825MTQ-R700LP *Heatsink: SNK-P0037P SC825TQ-560LP/R700LP SC825TQ-R720LP SC826A-R1200LP † SC826E1/E2/TQ-R800LP † *Heatsink: SNK-P0036A4
3U/ Mid-Tower	SC833T-550/650/R760 SC835TQ-R800 SC836A-R1200 † SC836E16-R1200 † SC836E26-R1200 † SC933T-R760 † SC936A-R1000 † SC936A-R900 † * Heatsink: SNK-P0038P	SC833T-550/650/R760 SC835TQ-R800 SC836A-R1200 † 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	SC733E-465 SC733i-450/465/645 SC733T/TQ-465 SC733T/TQ-645/665 SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/R760 SC835TQ-R800 SC836A-R1200 † 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-450/465/645 SC733T/TQ-465 SC733T/TQ-645/665 SC733T-450 *Heatsink: SNK-P0035AP4 SC833T-550/650/R760 SC835TQ-R800 SC836A-R1200 † 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
4U/ Tower	SC846A-R1200 † SC846E16/E26/TQ-R900 † * Heatsink: SNK-P0038P SC743T/TQ-R760 * Heatsink: SNK-P0038P SC745TQ-800/R800 * Heatsink: SNK-P0038P	SC846A-R1200 † 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	SC742T-500 SC743i-465/645/650/R760 SC743T/TQ-R760 SC743T-645/650/665 SC743TQ-865 743TQ-865-SQ SC745TQ-800/R800 SC846A-R1200 † 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-R1200 † SC846E1/E2/TQ-R900 † *Heatsink: SNK-P0035AP4

Note - When ordering please select the Rev. K version of your chassis for support of Intel® Xeon® Processor 5500 Series motherboards.
† HDD controller card is needed.
* Sold separately.

SUPERO SERVER SOLUTION

MODEL	X7QC3 X7QCE	X7DWN+	X7DWA-N	X7DWU	X7DWE
Processor	Intel® 64-bit Xeon® MP 7400/7300/7200	Intel® Xeon® 5400/5300LV/5200/5100LV	Intel® Xeon® 5400/5300LV/5200/5100LV	Intel® Xeon® 5400/5300LV/5200/5100LV	Intel® Xeon® 5400/5300LV/5200/5100LV
Chipset/System Bus	Intel® 7300 1066 MHz	Intel® 5400 1600/1333/1066 MHz	Intel® 5400 1600/1333/1066 MHz	Intel® 5400 1600/1333/1066 MHz	Intel® 5400 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 12.05"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-R650U 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	1 PCI-E x8 (in x16 slot) 1 PCI-E x8 (in x8 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 2 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 0,1,10 (X7QC3 only) AOC-iButton68 (RAID 5)	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)
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 8 Mb Flash ROM	Phoenix 8 Mb Flash ROM	Phoenix 16 Mb Flash ROM	Phoenix 8 Mb Flash ROM

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

MODEL	X7DWT X7DWT-INF/+	X7DCT	X7DCT-10G	X7DCT-L X7DCT-LF
Processor	Intel® Xeon® 5400/5300LV/5200/5100LV	Intel® Xeon® 5400/5300/5200/5100	Intel® Xeon® 5400/5300/5200/5100	Intel® Xeon® 5400/5200/5300/5100
Chipset/System Bus	Intel® 5400 1600/1333/1066 MHz	Intel® 5100 1333/1066 MHz	Intel® 5100 1333/1066 MHz	Intel® 5100 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	Proprietary 6.5"W x 16.4"H
Optimized Chassis	1U: SC808T-980 SC809T-980	1U: SC808T-780 SC809T-780	1U: SC808T-780 SC809T-780	1U: SC808T-780 SC809T-780
Memory Capacity & Slots	64 GB ECC Fully-buffered DIMM DDR2 800/667/553 MHz SDRAM 1.8 & 1.5V FBD supported	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)†	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® ESB2 for 4 SATA; RAID 0,1,5,10 (Windows) Linux 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)	Intel® ICH9R for 4 SATA2 (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 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	ATI ES1000 32Mb graphics controller	Matrox G200eW 128Mb memory shared between video and server management (X7DCT-LF)
Built-in EIDE USB Ports	Up to 4 USB 2.0 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 ext. Infiniband connector (InfiniHost III for X7DWT-INF) (ConnectX for X7DWT-INF+)	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	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, & +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 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	Proprietary fan header & overheat LED indication	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, 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 8 Mb Flash ROM	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

MODEL	X7DCL-3	X7DCL-i	X7DCA-L	X7DCA-3 X7DCA-i
Processor	Intel® Xeon® 5400/5300/5200/5100	Intel® Xeon® 5400/5300/5200/5100	Intel® Xeon® 5400/5300/5200/5100	Intel® Xeon® 5400/5300/5200/5100
Chipset/System Bus	Intel® 5100 1333/1066 MHz	Intel® 5100 1333/1066 MHz	Intel® 5100 1333/1066 MHz	Intel® 5100 1333/1066 MHz
Form Factor	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: 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	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	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® 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 AOC-iButton68 (RAID 5)	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) AOC-iButton68 (RAID 5)
Onboard LAN	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	XGI Z9s 32Mb graphics controller	XGI Z9s 32Mb graphics controller	XGI Z9s 32Mb graphics controller	N/A
Built-in EIDE USB 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 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-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, -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	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
BIOS	8 Mb SPI Flash ROM	8 Mb SPI Flash ROM	16 Mb SPI Flash ROM	8 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

MODEL	X7DCT-3 X7DCT-3F	X7DCT-3IBXF	X7DCX	X7DCU
Processor	Intel® Xeon® 5400/5300/5200/5100	Intel® Xeon® 5400/5300/5200/5100	Intel® Xeon® 5400/5300/5200/5100	Intel® Xeon® 5400/5300/5200/5100
Chipset/System Bus	Intel® 5100 1333/1066 MHz	Intel® 5100 1333/1066 MHz	Intel® 5100 1333/1066 MHz	Intel® 5100 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 13.05"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 AOC-iButton68 (RAID5)	LSI 1064E 4-port SAS controller; RAID 0,1,10 AOC-iButton68 (RAID5)	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)
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	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	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-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: 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-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	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	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 & keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EEP parallel port PS/2 mouse & 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 & keyboard conn.	1 fast UART 16550 serial PS/2 mouse & 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	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	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 13.05"H	Ext. ATX 12"W x 13.05"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 (X7DBP-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	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	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 AOC-iButton68 (RAID 5)	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	N/A	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 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
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	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	Intel® Xeon® 5400/5300/5200/5100/5000	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 12.075"W x 13.05"H	Ext. ATX 12.075"W x 13.05"H	Ext. ATX 12"W x 13.05"H	Ext. ATX 12"W x 13.05"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 & keyboard conn. 7.1 High Definition Audio	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse & 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 & keyboard conn. 7.1 High Definition Audio	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse & 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 & 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

MODEL	X8SAX	X8ST3-F X8STE	X8STi(-F) X8STi-3F X8STi-LN4	X8SIL	X8SIL-F
Processor	Intel® Core™ i7 and Intel® Xeon® Processor 5500/3500 Series	Intel® Core™ i7 and Intel® Xeon® Processor 5500/3500 Series	Intel® Core™ i7 and Intel® Xeon® Processor 5500/3500 Series	Intel® Xeon® Processor 3400 Series	Intel® Xeon® Processor 3400 Series
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® 3400 chipset	Intel® 3420 chipset
Form Factor	ATX 12"W x 10"H	ATX 12"W x 10"H	ATX 12"W x 9.6"H	ATX 9.6"W x 9.6"H	ATX 9.6"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: 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	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	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	16 GB UDIMM or 32GB RDIMM ECC DDR3 1333/1066/800 MHz SDRAM in 4 DIMMs	16 GB UDIMM or 32GB RDIMM ECC DDR3 1333/1066/800 MHz SDRAM in 4 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	2 PCI-E 2.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 PCI-32	2 PCI-E 2.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 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) AOC-iButton68 (RAID 5) (X8ST3-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 (X8STi-3F) AOC-iButton68 (RAID 5) (X8STi-3F)	4 SATA (3 Gbps)	6 SATA (3 Gbps): RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)
Onboard LAN	Dual Intel® 82574L Gigabit Ethernet	Dual Intel® 82574L Gigabit Ethernet; 1 Realtek RTL8201N for IPMI (X8ST3-F)	Dual Intel® 82574L Gigabit Ethernet; Quad Intel® 82574L Gigabit Ethernet (X8STi-LN4); 1 Realtek RTL8201N for IPMI (F version only)	Dual Intel® 82574L Gigabit Ethernet	Dual Intel® 82574L Gigabit Ethernet 1 Realtek RTL8201N for IPMI
Onboard VGA	N/A	Matrox G200eW 16MB	Matrox G200eW 16MB	Matrox G200eW 16MB	Matrox G200eW 16MB
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	8 SAS ports (X8STi-3F) 6 SATA ports Up to 8 USB 2.0 ports	4 SATA ports Up to 5 USB 2.0 ports	6 SATA ports Up to 7 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 & keyboard conn.	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	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 + KVM with dedicated LAN (F version only) Watch Dog, SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F version only) Watch Dog, SuperDoctor® III	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, -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, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of 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 5-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	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	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 SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM

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

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MODEL	X8SIA(-F)	X8SI6-F	X8SIE(-F) X8SIE-LN4	X7SLM-L	X7SLM X7SLM+
Processor	Intel® Xeon® Processor 3400 Series	Intel® Xeon® Processor 3400 Series	Intel® Xeon® Processor 3400 Series	Intel® Core™ 2 E4000 series, Pentium®, and Celeron® series	Intel® Core™ 2 E4000 series, Pentium®, and Celeron® series
Chipset/ System Bus	Intel® 3420 chipset	Intel® 3420 chipset	Intel® 3420 chipset	Intel® 945GC chipset 1066/800/533MHz FSB	Intel® 945GC chipset 1066/800/533MHz FSB
Form Factor	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	ATX 12"W x 9.6"H	Micro ATX 9.6"W x 8.6"H	Micro ATX 9.6"W x 9.6"H
Optimized Chassis	Mini 1U: SC502-200 (up to 35W CPU) SC512 SC811 SC813M SC111 SC113M Mid-Tower: SC733	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/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
Memory Capacity & Slots	16GB UDIMM or 32GB RDIMM DDR3 ECC DDR3 1333/1066/800 MHz SDRAM in 6 DIMMs	16 GB UDIMM or 32GB RDIMM ECC DDR3 1333/1066/800 MHz SDRAM in 6 DIMMs	16 GB UDIMM or 32GB RDIMM ECC DDR3 1333/1066/800 MHz SDRAM in 6 DIMMs	2 GB of Unb. Non-ECC DDR2 667/533/400 MHz SDRAM	2 GB of Unb. Non-ECC DDR2 667/533/400 MHz SDRAM
Expansion Slots	1 PCI-E 2.0 x8 (x16) 2 PCI-E 2.0 x8 1 PCI-E 2.0 x4 (x8) 2 PCI-E x1 slots 1 PCI-32 slot	1 PCI-E 2.0 x8 (in x16 slot) 1 PCI-E x4 (in x8 slot) 1 32-bit PCI slot	1 PCI-E 2.0 x16 1 PCI-E x4 (in x8 slot) 1 32-bit PCI slot	1 PCI-E x16 1 PCI-E x4 (x8 slot) 2 32-bit PCI	1 PCI-E x8 1 32-bit PCI 33MHz
Onboard RAID Controller	6 SATA RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	6 SATA RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux) LSI 2008 6Gb/s SAS (SAS 2.0) controller	6 SATA RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH7R SATA for 4 SATA (3 Gbps); RAID 0,1,5,10	Intel® ICH7 SATA for 4 SATA (3 Gbps)
Onboard LAN	Dual Intel® 82574L Gigabit Ethernet 1 Realtek RTL8201N (-F only)	Dual Intel® 82574L Gigabit Ethernet 1 Realtek RTL8201N for IPMI	Dual Intel® 82574L Gigabit Ethernet Quad Intel® 82574L Gigabit Ethernet (X8SIE-LN4) 1 Realtek RTL8201N for IPMI (F version only)	Dual Realtek RTL8111C Gigabit Ethernet	Dual Realtek RTL8111C Gigabit Ethernet
Onboard VGA	Matrox G200eW 16MB	Matrox G200eW 16MB	Matrox G200eW 16MB	Intel® GMA 950	Intel® GMA 950
Built-in EIDE USB Ports	6 SATA ports Up to 10 USB 2.0 ports;	6 SATA ports Up to 8 USB 2.0 ports;	6 SATA ports Up to 8 USB 2.0 ports;	ATA/100 Up to 8 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 (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	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	IPMI 2.0 + KVM with dedicated LAN (F version only) Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F version only) 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 five 4-pin fan headers with tachometer monitoring on 5 fans, supports system mangement utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +3.3V, +5V, +12V, -12V, VBAT & +5V standby and total of 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 5-fan status, 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 five 4-pin fan headers with tachometer monitoring on 5 fans, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, 4-pin PWM & 3-pin fan speed control	Overheat LED indication, 4-pin PWM fan speed control	Overheat LED indication, 4-pin PWM fan speed control	4-pin PWM speed control & overheat LED indication	4-pin PWM 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, 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/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)
BIOS	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 32 Mb SPI Flash ROM	AMI 8 Mb SPI Flash ROM	AMI 8 Mb SPI Flash ROM

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

MODEL	X7SLA-L X7SLA-H	X7SPA-H(F)	X7SPA-L	X7SBL-LN1 X7SBL-LN2	X7SBi
Processor	Intel® Atom™ 230 processor (X7SLA-L) Intel® Atom™ 330 processor (X7SLA-H)	Intel® Atom™ D510 processor	Intel® Atom™ D410 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
Chipset/ System Bus	Intel 945GC chipset 533MHz FSB	Intel® ICH9R chipset	Intel® ICH9 chipset	Intel® 3200 chipset 1333/1066/800MHz FSB	Intel® 3210 chipset 1333/1066/800 MHz FSB
Form Factor	Flex ATX 9"W x 7.5"H	Mini ITX 6.75" x 6.75"	Mini ITX 6.75" x 6.75"	Micro ATX 9.6"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/MTQ-360C SC113MTQ-360C SC811i/SC811T-300/280/260 SC813MT-300C Mini-Tower: SC731i-300	Mini 1U: SC502 SC503 SC510 SC512	Mini-Tower: SC731	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	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
Memory Capacity & Slots	2 GB of Unb. Non-ECC DDR2 667/533/400 MHz SDRAM	4 GB of Unb. non-ECC DDR2 667MHz SO-DIMM	4 GB of Unb. non-ECC DDR2 667MHz SO-DIMM	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 PCI-E x8 1 PCI-E x4 (in x8 slot) 1 32-bit PCI	1 PCI-E x4 (in x16 slot)	1 PCI-E x4 (in x16 slot)	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	1 Universal slot: 1 PCI-E x8 1 PCI-X 1 32-bit PCI 1 SIMSO socket (IPMI 2.0)[†]
Onboard RAID Controller	Intel® ICH7R for 4 SATA Ports; RAID 0,1,5,10	6 SATA ports RAID 0,1,5,10	4 SATA ports	Intel® ICH9R for 6 SATA; RAID 0,1,5,10	Intel® ICH9R for 6 SATA; RAID 0,1,5,10
Onboard LAN	Dual Realtek RTL8111C-GR Gigabit Ethernet (1x LAN on X7SLA-L)	Dual Intel® 82574L Gigabit Ethernet	Single Intel® 82574L Gigabit Ethernet	Single LAN w/ Intel® 82573L (X7SBL-LN1 only) Dual LAN w/ Intel® 82573V + 82573L (X7SBL-LN2 only)	Dual Intel® 82573 V/L Gigabit Ethernet
Onboard VGA	Intel® GMA 950	Intel® GMA 950	Intel® GMA 950	XGI Z9s 32MB DDR2	ATI ES1000 32MB
Built-in EIDE USB Ports	ATA/100 Up to 8 USB 2.0 ports	Up to 10 USB 2.0 ports	Up to 8 USB 2.0 ports	Up to 7 USB 2.0 ports	ATA/100 Up to 8 USB 2.0 ports
Other Onboard I/O Devices	1 serial port 1 header (X7SLA-H only) 2 PS/2 ports	4 serial ports 2 PS/2 ports	4 serial ports 2 PS/2 ports	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	Watch Dog SuperDoctor® III	IPMI 2.0 + KVM with dedicated LAN (F version only) Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III	AOC-SIMLC-HTC (X7SBL-LN2) Watch Dog, SuperDoctor® III	AOC-SIMSO-HTC, AOC-SIMSO+ w/ dedicated LAN Watch Dog SuperDoctor® III
PC Health Monitoring	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, +1.5V, +1.8V, +3.3V, +5V, +12V, VBAT & +3.3V standby and total of two 4-pin fan headers with tachometer monitoring, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, VBAT & +3.3V standby and total of two 4-pin fan headers with tachometer monitoring, 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 speed control & overheat LED indication	Thermal control tachometer fan connectors & overheat LED indication	Thermal control tachometer fan connectors & 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/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, TM1 & CPU thermal trip support for processor protection	ACPI/APM power management, control of power-on mode for recovery from AC power loss, TM1 & 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, STR, TM2, & CPU thermal trip support for processor protection
BIOS	AMI 8 Mb SPI Flash ROM	AMI 8 Mb SPI Flash ROM	AMI 8 Mb SPI Flash ROM	Phoenix 8 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

MODEL	X7SBi-LN4 X7SBi-LN4-TM	X7SBA	X7SBE	X7SB4
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® 3200 chipset 1333/1066/800 MHz FSB	Intel® 3210 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	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	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-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 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	Adaptec SCSI controller; RAID 0,1,10 Intel® ICH9R for 6 SATA; RAID 0,1,5,10
ZCR Card Support	N/A	N/A	N/A	AOC-LPZCR1, AOC-LPZCR2, AOC-LPZCR3
Onboard LAN	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	Dual Intel® 82573V/L Gigabit Ethernet
Onboard VGA	ATI ES1000 32MB	XGI Z9s 32MB	ATI ES1000 32MB	ATI ES1000 32MB
Built-in EIDE USB Ports	ATA/100 Up to 8 USB 2.0 ports	Up to 7 USB 2.0 ports	Up to 7 USB 2.0 ports	Up to 7 USB 2.0 port
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-SIMLC-HTC; AOC-SIM1U+ 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. 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	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
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*

X48 Chipset
1.6GHz/DDR3

X48 Chipset
1.6GHz/DDR3

X58 Chipset
1600MHz/DDR3
SLI™ Support

SUPER SERVER SOLUTION

MODEL	X7SB3 X7SB3-F	X7SBU	X7SBT X7SBT-10G	C7X58
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® Core™ i7 and Intel® Xeon® Processor 5500/3500 Series
Chipset/ System Bus	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	Intel® X58 Express chipset with QPI up to 6.4GT/s
Form Factor	ATX 12"W x 9.6"H	Proprietary 8"W x 13"H	Proprietary 6.5"W x 16"H	ATX 12"W x 10"H
Optimized Chassis	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	Mid-Tower: SC733T/i-645/465 SC733TQ/E-465 4U: SC743T/i-645 SC743T-465 SC743TQ-865/865-SQ
Memory Capacity & Slots	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	24 GB of DDR3 Unb. ECC or Non-ECC 1600/1333/1066/800 MHz SDRAM
Expansion Slots	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) †	2 PCI-E 2.0 x16 1 PCI-E x4 (in x8 slot) 1 32-bit PCI
Onboard RAID Controller	Intel® ICH9 for 2 SATA LSI 1068E controller for 8 SAS ports; RAID 0,1,10 AOC-iButton68 (RAID 5)	Intel® ICH9R for 6 SATA; RAID 0,1,5,10	Intel® ICH9R for 4 SATA; RAID 0,1,5,10	Intel® ICH10R for 6 SATA RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)
Onboard LAN	Dual Intel® 82574L Gigabit Ethernet	Dual Intel® 82573 V/L Gigabit Ethernet	Dual Intel® 82573V/L Gigabit Ethernet	Dual Intel® 82574L Gigabit Ethernet
Onboard VGA	Matrox G200eW 16MB	ATI ES1000 32MB	ATI ES1000 32MB	N/A
Built-in EIDE USB Ports	Up to 8 USB 2.0 ports	ATA/100 Up to 8 USB 2.0 ports	Up to 8 USB 2.0 ports	Up to 12 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 and 1 header Intel® 82598EB 10 Gigabit Ethernet controller w/ CX4 interface (for X7SBT-10G)	7.1 HD audio 2 IEEE 1394a headers S/PDIF output (optical & coaxial) Support nVidia® SLI™ and ATI® CrossFireX™ technology 1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard
Manageability	IPMI 2.0 + KVM with dedicated LAN (F version 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	Watch Dog SuperDoctor® III
PC Health Monitoring	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	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	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, 4-pin PWM 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 & 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, control of power-on 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 SPI Flash ROM	Phoenix 16 Mb SPI Flash ROM	AMI 4 Mb SPI Flash ROM

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

Core™ 2 — *New! HDMI / DDR3* — *Core™ 2* — *Core™ 2*

SUPER● SERVER SOLUTION

MODEL	C2SEA	C2G41	C2SBC-Q	C2SBM-Q
Processor	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	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
Chipset/ System Bus	Intel® G45 chipset 1333/1066/800 MHz	Intel® G41 chipset 1333/1066/800 MHz	Intel® Q35 chipset 1333/1066/800 MHz	Intel® Q35 chipset 1333/1066/800 MHz
Form Factor	ATX 12"W x 9.6"H	Micro ATX 9.6" x 8.6"	ATX 12"W x 9.6"H	Micro ATX 9.6"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 Mid-Tower: SC731i-300/SC731D-300 Tower/4U: SC742T-500	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	Mid-Tower: SC731i-300B /SC731D-300 SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500
Memory Capacity & Slots	8 GB of Unb. Non-ECC DDR3 1333/1066/800 MHz SDRAM	4 GB of Unb. Non-ECC DDR3 1066/800 MHz SDRAM	8 GB of Unb. Non-ECC DDR2 800/667 MHz SDRAM	8 GB of Unb. Non-ECC DDR2 800/667 MHz SDRAM
Expansion Slots	1 PCI-E 2.0 x16 1 PCI-E x4 (using x16 slot) 1 PCI-E x1 2 32-bit PCI	1 PCI-E x16 1 PCI-E x1 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
Onboard RAID Controller	Intel® ICH10 for 6 SATA	Intel ICH7 for 4 SATA (3 Gbps)	Intel® ICH9DO for 6 SATA; RAID 0,1,5,10	Intel® ICH9DO for 4 SATA; RAID 0,1,5,10
Onboard LAN	Realtek RTL8111C Gigabit Ethernet	Realtek RTL8111C Gigabit Ethernet	Intel® 82566DM + 82573L Gigabit Ethernet	Intel® 82566DM Gigabit Ethernet
Onboard VGA	Intel® GMA X4500 HD 1x VGA port + HDMI output	Intel® GMA X4500 1x VGA port + HDMI output	Intel® GMA 3100	Intel® GMA 3100
Built-in EIDE USB Ports	ATA/100 Up to 12 USB 2.0 port	ATA/100 Up to 8 USB 2.0 port	ATA/100 Up to 12 USB 2.0 port	ATA/100 Up to 11 USB 2.0 port
Other Onboard I/O Devices	7.1 HD audio S/PDIF output (optical & coaxial) 2 IEEE 1394a headers 2 serial ports PS/2 mouse & keyboard 1 parallel header	7.1 HD audio S/PDIF output (optical & coaxial) 2 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
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 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	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
Thermal 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	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, & 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	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
BIOS	AMI 8 Mb SPI Flash ROM	AMI 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	C2SBX	C2SBX+	C2SBA+II	C2SBA C2SBA+
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® X38 chipset 1333/1066/800 MHz FSB	Intel® X48 chipset 1600/1333/1066/800 MHz	Intel® G33 1333/1066/800 MHz FSB	Intel® G33 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 of Unb. ECC or Non-ECC DDR3 1333/1066/800 MHz SDRAM	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
Expansion Slots	2 PCI-E x16 2.0 1 PCI-E x1 2 PCI-X 133/100 MHz 2 32-bit PCI	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
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® 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	N/A	Intel® GMA3100	Intel® GMA3100
Built-in EIDE USB Ports	ATA/100 Up to 12 USB 2.0 port	ATA/100 Up to 12 USB 2.0 port	Dual ATA/100 Up to 12 USB 2.0 port	Dual ATA/100 (+ only) Up to 12 USB 2.0 port
Other Onboard I/O Devices	7.1 HD audio 2 IEEE 1394a headers 1 floppy port 2 fast UART 16550 serial PS/2 mouse & keyboard 1 parallel port	7.1 HD audio 2 IEEE 1394a headers 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 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
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	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
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 & 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
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	C2SBE	PDSLM	PDSBA-Q+	PDSBM-LN2+
Processor	Intel® Core™ 2 Extreme, Quad and Duo, Pentium® and Celeron® series	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
Chipset/ System Bus	Intel® P35 1333/1066/800MHz	Intel® 945GME 667/533 MHz	Intel® Q965 1066/800/533MHz	Intel® 946GZ 1066/800/533MHz
Form Factor	ATX 12"W x 9.6"H	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
Optimized Chassis	Mid-Tower: SC733T-645/465 SC733i-645/465 SC733E-465 Tower/4U: SC742T-500	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
Memory Capacity & Slots	8 GB Unb, Non-ECC DDR2 800/667 MHz SDRAM	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
Expansion Slots	1 PCI-E x16 1 PCI-E x4 (using x8) 1 PCI-E x1 4 32-bit PCI	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
Onboard RAID Controller	Intel® ICH9 for 4 SATA	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
Onboard LAN	Intel® 82566 Gigabit Ethernet	Single LAN with Intel® 82573L Gigabit Ethernet	Intel® 82573L Gigabit Ethernet	Dual LAN w/ Intel® 82573 Gigabit Ethernet
Onboard VGA	N/A	Intel® GMA 9500	Intel® GMA 3000	Integrated graphics
Built-in EIDE USB Ports	Up to 12 USB 2.0 port	ATA100/ Up to 4 USB 2.0	ATA100/ Up to 6 USB 2.0	ATA100/ USB 2.0 w/ up to 4 USB ports
Other Onboard I/O Devices	7.1 HD audio 1 floppy port 2 fast UART 16550 serial 1 parallel port PS/2 mouse and keyboard	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
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, +1.8V, +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
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, 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 & CPU thermal trip support for processor protection
BIOS	Phoenix 16 Mb SPI Flash ROM	AMI 4 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	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
Chipset/ System Bus	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 8"W x 13"H
Optimized Chassis	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 ECC, Non-ECC Unb. DDR2 667/533 MHz SDRAM
Expansion Slots	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	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	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
Onboard VGA	ATI ES1000 16MB	ATI ES1000 16MB	ATI ES1000 16MB
Built-in EIDE 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 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-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, +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
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, 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

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

SC111LT/T

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

2.5" HDD

SC111LT-360UB/CB

SC111T-560CB

UIO Rear View

C Rear View

21.95"D

SC111T-560CB   16.8"W

Features
■ Black

✓ 560W/360WSilver-Level 80 Plus® 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, supports MB size: 12"x13", 12"x10", and 9.6"x9.6"
CPU support	Dual and Single Intel® and AMD processors
Expansion	SC111T-560UB/SC111LT-360UB/330UB: 2x FH, 1x LP expansion slots SC111T-560CB/SC111LT-360CB/330CB: 1x FF expansion slot
Drive Bays	1x slim DVD-ROM (Optional); 2x front side USB (Optional);
Power Supply	560W/360W Silver-Level 80 Plus® high-efficiency power supply 330W Gold-Level 80 Plus® high-efficiency power supply
Cooling System	3x 40x56mm counter-rotating fans 2x 40x28mm fans for add-on card area (optional)
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	16.8"W x 1.7"H x 21.95"D (426mmW x 43mmH x 558mmD) Packing: 24"W x 8.3"H x 30"D
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	●	●	●	●	2x FH, 1x LP	4x SAS/SATA 2.5"	3x 12500rpm fan	560W 80 Plus® Silver-Level	2	46.5	30 lbs
SC111T-560CB	●	●	●	●	1x FF	4x SAS/SATA 2.5"	3x 12500rpm fan	560W 80 Plus® Silver-Level	2	46.5	30 lbs
SC111LT-360UB	●	●	●	●	2x FH, 1x LP	4x SAS/SATA 2.5"	3x 12500rpm fan	360W 80 Plus® Silver-Level	2	46.5	30 lbs
SC111LT-360CB	●	●	●	●	1x FF	4x SAS/SATA 2.5"	3x 12500rpm fan	360W 80 Plus® Silver-Level	2	46.5	30 lbs
New! SC111LT-330UB	●	●	●	●	2x FH, 1x LP	4x SAS/SATA 2.5"	3x 12500rpm fan	330W 80 Plus® Gold-Level	3	31	30 lbs
New! SC111LT-330CB	●	●	●	●	1x FF	4x SAS/SATA 2.5"	3x 12500rpm fan	330W 80 Plus® Gold-Level	3	31	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
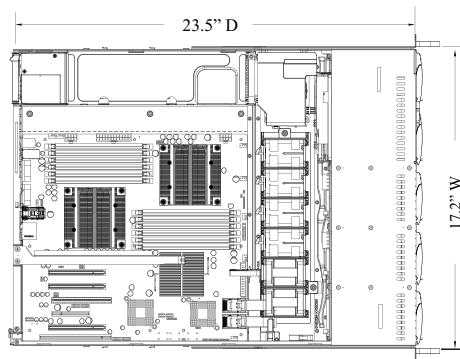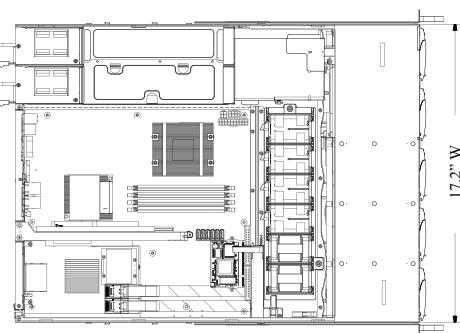
SC113TQ-R650U

■ Black

Features

✓ 8 hot-swap HDDs in 1U; 560W Silver-Level 80 Plus® high-efficiency power supply; UIO solution support (2x FH, 1x LP)

Specifications

Form Factor	1U rackmount chassis, support for motherboard size: E-ATX, ATX, 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 Package: 25"W x 6"H x 33"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/SES2	4x 14000rpm	560W 80 Plus® Silver-Level	2	46.5	36 lbs
SC113TQ-560CB	●	●		●	1x FF	8x SAS/SATA 2.5" w/SES2	4x 14000rpm	560W 80 Plus® Silver-Level	2	46.5	36 lbs
SC113TQ-700UB	●	●	●	●	2x FH, 1x LP	8x SAS/SATA 2.5" w/SES2	4x 14000rpm	700W	4	57	36 lbs
SC113TQ-700CB	●	●		●	1x FF	8x SAS/SATA 2.5" w/SES2	4x 14000rpm	700W	4	57	36 lbs
SC113TQ-R650UB	●	●	●	●	2x FH, 1x LP	8x SAS/SATA 2.5" w/SES2	4x 14000rpm	650W Redundant	3	54	40 lbs
SC113TQ-R650CB	●	●		●	1x FF	8x SAS/SATA 2.5" w/SES2	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 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")

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

2.5" HDD

SC813MTQ-360CB

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 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 Package: 24"W x 8.3"H x 30"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"				PCI I/O	Drive	Cooling Fan	Power	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD	H8							
SC113MTQ-560CB	●	●	●	●	1x FF	8x SAS/SATA 2.5" w/ SES II	4x 12500rpm	560W 80 Plus® Silver-Level	2	46.5	29.5 lbs
SC113MTQ-330CB	●	●	●	●	1x FF	8x SAS/SATA 2.5" w/ SES II	4x 12500rpm	560W 80 Plus® Gold-Level	3	31	29.5 lbs

New!

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
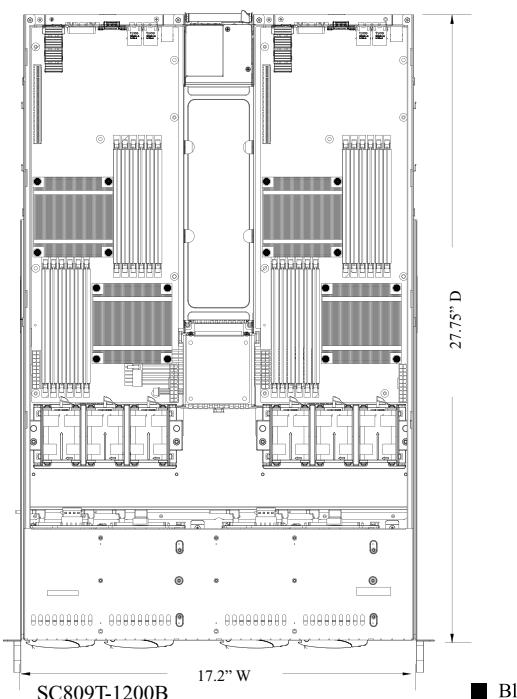
SC809T-1200B

17.2" W

27.75" D

■ 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	2x LP	8x SATA 2.5"	6x 14000rpm fans(4-pin)	1200W Gold-Level high-efficiency w/PMBus	4	83/100*	40 lbs
SC809T-780B	X7DCT/-INF, X7SBT/-10G, X7DWT/-INF X8DTT/-INF/-IBX/-IBQ	2x LP	8x SATA 2.5"	6x 14000rpm fans(4-pin)	780W high-efficiency w/I²C	4	58/65*	40 lbs
SC809LT-780B	X7SBT/-10G	2x LP	8x SATA 2.5"	6x 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*

SC808T-1200B

SC808T-1200B

Rear View
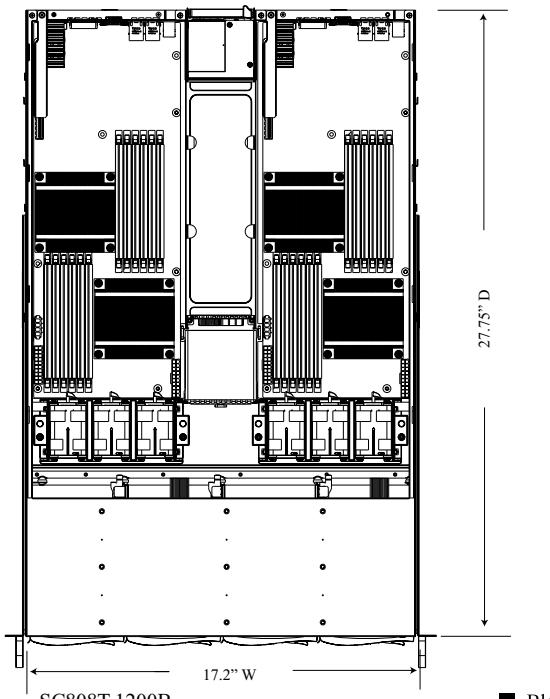
27.75" D

17.2" W

SC808T-1200B   ■ 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 (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) Package: 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-1200B	X7DBT/-10G, X7DGT/-INF, X7DWT/-INF X8DTT/-INF/-IBX/-IBQ	2x LP	4x SATA	6x 14000rpm fans (4-pin)	1200W Gold-Level high-efficiency power w/PMBus	4	83/100*	40 lbs
SC808T-980B	X7DBT/-10G, X7DGT/-INF, X7DWT/-INF	2x LP	4x SATA	6x 14000rpm fans (6-pin)	980W high-efficiency power w/I²C	4	81	40 lbs
SC808T-780B	X7DCT/-INF, X7DWT/-INF X8DTT/-INF/-IBX/-IBQ	2x LP	4x SATA	6x 14000rpm fans (4-pin)	780W high-efficiency power w/I²C	4	58/65*	40 lbs
SC808LT-780B	X7DBT/-10G	2x LP	4x SATA	6x 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

SC815S/TQ

1U High-Performance Chassis - Dual Processors

SC815TQ-720C

SC815TQ-700C

Rear View

25.6" D

17.2" W
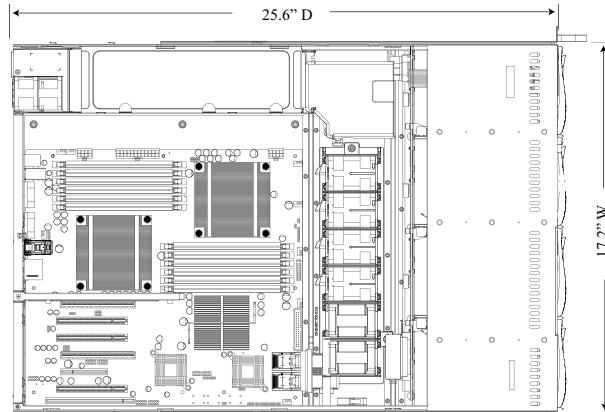
SC815TQ-720C

■ Black

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 - E-ATX, ATX, and 13.68" x 13" (single power only)
CPU support	Dual Intel® and AMD processors
Expansion	1x full-height & full-length expansion slot & 1x low-profile expansion slot (SC815S-700/R650/560, SC815TQ-700/R560/560 only)
Peripheral Drives	1x slim DVD-ROM drive
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	4x 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		●	1x FF & 1 LP	4x SCA w/SAF-TE	slim	4x 14000rpm fans	700W high-efficiency	4	57	36 lbs
SC815S-700C		●	1x FF	4x SCA w/SAF-TE	slim	4x 14000rpm fans	700W high-efficiency	4	57	36 lbs
SC815TQ-720C	●	●	1x FF	4x SAS/SATA w/SES2	opt.	4x 14000rpm fans	720W Gold-Level high-efficiency	3	59	36 lbs
SC815TQ-700	●	●	1x FF & 1 LP	4x SAS/SATA w/SES2	slim	4x 14000rpm fans	700W high-efficiency	4	57	36 lbs
SC815TQ-700C		●	1x FF	4x SAS/SATA w/SES2	slim	4x 14000rpm fans	700W high-efficiency	4	57	36 lbs
SC815S-R650		●	1x FF & 1 LP	4x SCA w/SAF-TE	slim	4x 14000rpm fans	650W redundant high-efficiency	3	54	40 lbs
SC815TQ-R650		●	1x FF & 1 LP	4x SAS/SATA w/SES2	slim	4x 14000rpm fans	650W redundant high-efficiency	3	54	40 lbs
SC815S-560	●	●	1x FF & 1 LP	4x SCA w/SAF-TE	opt.	4x 14000rpm fans	560W high-efficiency	3	43.6	36 lbs
SC815S-560C		●	1x FF	4x SCA w/SAF-TE	opt.	4x 14000rpm fans	560W high-efficiency	3	43.6	36 lbs
SC815TQ-560	●	●	1x FF & 1 LP	4x SAS/SATA w/SES2	opt.	4x 14000rpm fans	560W 80 Plus® Certified high-efficiency	3	43.6	36 lbs
SC815TQ-560C	●	●	1x FF	4x SAS/SATA w/SES2	opt.	4x 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
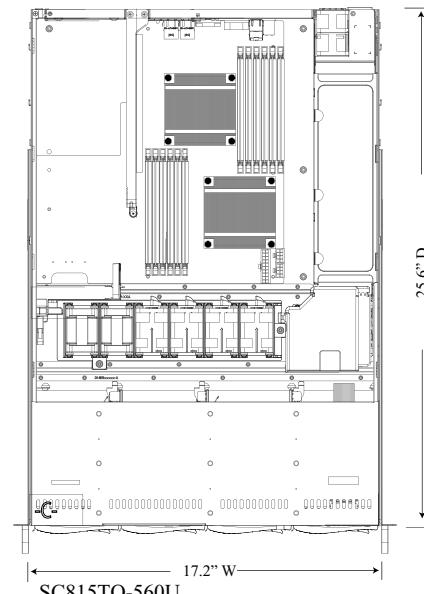
■ Black

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
✓ PWM counter-rotating fans with air shroud

Specifications

Form Factor	SC815TQ-720U/710U/560U: 1U chassis support for UIO motherboard size - E-ATX, ATX SC815TQ-R650U/R450U: 1U chassis support for UIO E-ATX motherboard size - E-ATX, ATX,
CPU support	Dual and Single Intel® and AMD processors
Expansion	2x full-height expansion slots & 1x low-profile expansion slot
Peripheral Drives	1x slim DVD-ROM drive (optional)
Drive Bays	4x 3.5" hot-swap drive bays
Power Supply	SC815TQ-R650U/R450U: 650W/450W (1+1) redundant high-efficiency power supply w/I^{2}C 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	4x hot-swap	slim	4x 14000rpm fans	650W redundant high-efficiency	3	54	40 lbs
SC815TQ-R450U	●	●	●	2 FH & 1 LP	4x hot-swap	slim	3x 14000rpm fans	450W redundant high-efficiency	3	37	40 lbs
SC815TQ-720U	●	●	◗	2 FH & 1 LP	4x hot-swap	optional	4x 14000rpm fans	720W Gold-Level high-efficiency	3	59	36 lbs
SC815TQ-710U	●	●	◗	2 FH & 1 LP	4x hot-swap	slim	4x 14000rpm fans	710W high-efficiency	4	59	36 lbs
SC815TQ-560U	●	●	◗	2 FH & 1 LP	4x hot-swap	optional	4x 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

Optimized for two double-width GPUs
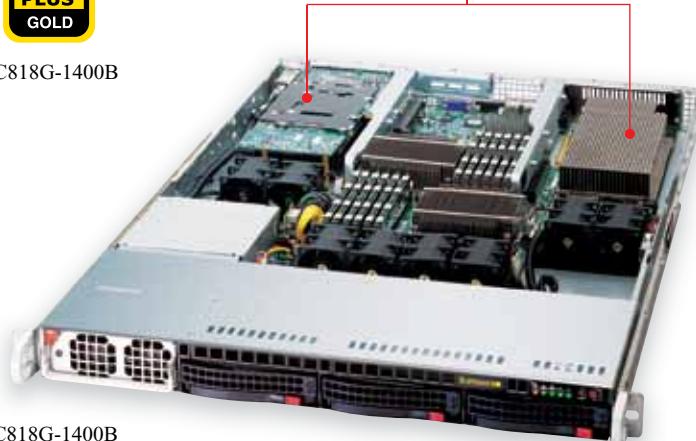
SC818G-1400B

SC818G-1400B Rear View

SC818G-1400B

28.2" D

17.2" W

■ Black
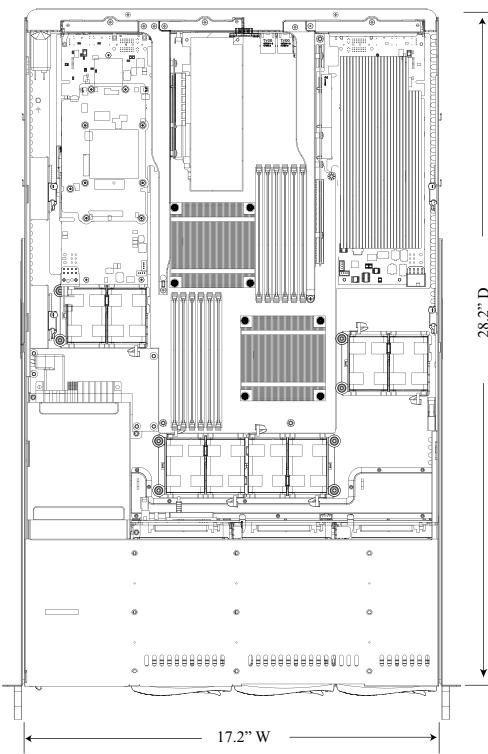
Features

✓ Space-effective chassis optimized for two double-width high-end graphics cards (GPU), supports up to 5 expansion slots (4 FH/FL & 1 LP) in 1U space
✓ 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; 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) Packing: 26.2"W x 9"H x 37.9"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

Model	Twin MB	PCI I/O	Drives	Cooling System	Power Supply	+5V_{SB}	+12V	Gross Weight
	X8							
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*
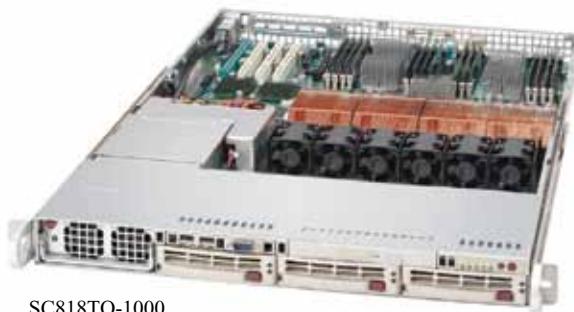
SC818TQ-1000

Front view

Rear view (SC818TQ-1000)

17.2" W
27.75" D
SC818TQ-1000
■ Black   ■ Beige
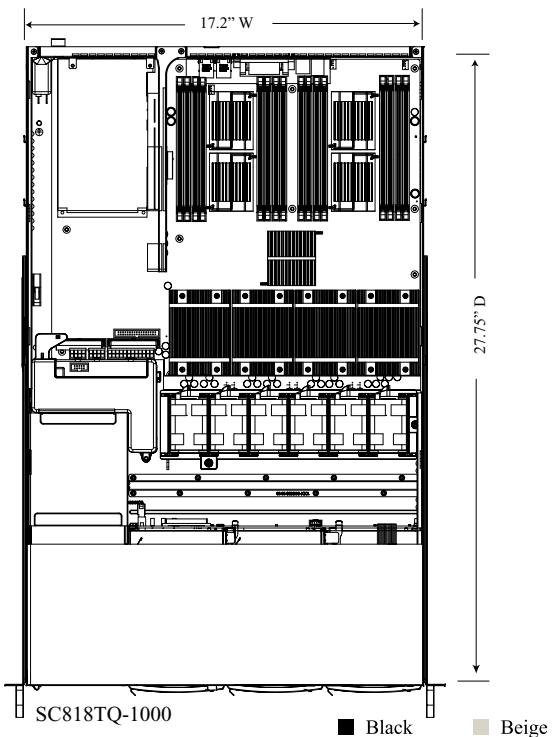
Features

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
Drive Bays	SC818S-1000: 3x 3.5" hot-swap SCSI (Ultra320/160) drive bays SC818TQ-1000: 3x 3.5" hot-swap SAS/SATA drive bays with SES2
Power Supply	Front-loading 1000W high-efficiency power supply w/I²C
Cooling System	6x 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	3x SAS/SATA w/SES2	6x 14000rpm f ans	1000W high-efficiency	4	83	38 lbs
SC818S-1000	X7	1 FF	3x SCSI (Ultra320/160)	6x 14000rpm f ans	1000W high-efficiency	4	83	38 lbs
SC818TQ+-1000	H8	1 FF	3x SAS/SATA w/SES2	6x 14000rpm f ans	1000W high-efficiency	4	83	38 lbs
SC818TQ+-1000LPB	H8	1 LP	3x SAS/SATA w/SES2	6x 14000rpm f ans	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

SC813S/T/TQ

1U High-Performance Chassis - Dual Processors

SC813TQ-520

Optional LCD Front Bezel view

25.6" D

17.2" W
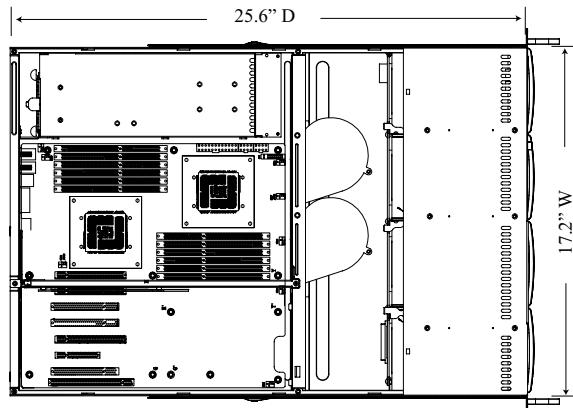
SC813TQ-520

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: 4x 3.5" hot-swap SCA drive bays with SAF-TE compliance
	SC813TQ*-520C/520/500 & SC813T-500C/500: 4x 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	2x 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	4x SCA w/SAF-TE	slim/slim	2x 5000rpm blowers	520W high-efficiency	3	39	36 lbs
SC813S-520C		●	1 FF	4x SCA w/SAF-TE	slim/slim	2x 5000rpm blowers	520W high-efficiency	3	39	36 lbs
SC813S-500		◑	1 FF & 1 LP	4x SCA w/SAF-TE	slim/slim	2x 5000rpm blowers	500W cold-swap	2	39	36 lbs
SC813S-500C		◑	1 FF	4x SCA w/SAF-TE	slim/slim	2x 5000rpm blowers	500W cold-swap	2	39	36 lbs
SC813TQ*-520	●	●	1 FF & 1 LP	4x SAS/SATA w/SES2	slim/slim	2x 5000rpm blowers	520W high-efficiency	3	39	36 lbs
SC813TQ*-520C	●	●	1 FF	4x SAS/SATA w/SES2	slim/slim	2x 5000rpm blowers	520W high-efficiency	3	39	36 lbs
SC813T/TQ*-500	●	◑	1 FF & 1 LP	4x SAS/SATA w/SES2	slim/slim	2x 5000rpm blowers	500W cold-swap	2	39	36 lbs
SC813T-500C	●	◑	1 FF	4x SAS/SATA	slim/slim	2x 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)

SC813MS/MT/MTQ/MFT *1U x 19.85" Compact Chassis*

SC813MTQ-350CB

SC813MTQ-350CB

Optional LCD Front Bezel

19.85" D

17.2" W

SC813MFTQ-520C
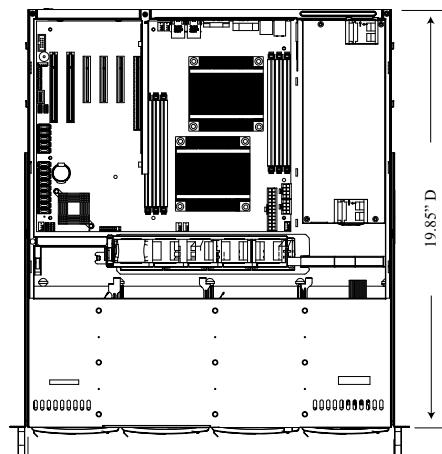
■ Black ▨ Beige

Features

✓ 4 hot-swap drives support, high performance fans & compact size
✓ Gold Level 92%+ high efficiency 350W power supply

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 (optional)
Drive Bays	SC813MS-520C/420C/410C/300C/280C: 4x 3.5" hot-swap SCA drive bays with SAF-TE compliant SC813MT-420C & SC813MT-410C/300C & SC813MTQ-520C/280C: 4x 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 19.85" (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	4x 13000rpm fans	520W high-efficiency	3	39	31 lbs
SC813MS-520C		●		1 FH	4 SCA w/SAF-TE	4x 12500rpm fans	520W high-efficiency	3	39	31 lbs
SC813MTQ-520C	●	●		1 FH	4 SAS/SATA	4x 12500rpm fans	520W hign-efficiency	3	39	31 lbs
SC813MS-420C				1 FH	4 SCA w/SAF-TE	4x 12500rpm fans	420W	2	32	31 lbs
SC813MT-420C				1 FH	4 SAS/SATA	4x 12500rpm fans	420W	2	32	31 lbs
SC813MT-410C				1 FH	4 SAS/SATA	4x 12500rpm fans	410W DC (24-pin)	2	32	31 lbs
SC813MS-300C			●	1 FH	4 SCA w/SAF-TE	3x 12500rpm fans	300W	2	20	31 lbs
SC813MT-300C	●		●	1 FH	4 SAS/SATA	3x 12500rpm fans	300W	2	20	31 lbs
SC813MFT-300C	●		●	1 FH	4 SAS/SATA	3x 10000rpm fans	300W	2	20	31 lbs
SC813MS-280C		●		1 FH	4 SCA w/SAF-TE	4x 12500rpm fans	280W high-efficiency	2	23/27	31 lbs
SC813MTQ-280C	●	●		1 FH	4 SAS/SATA	4x 12500rpm fans	280W high-efficiency	2	23/27	31 lbs
New! SC813MTQ-350CB	●	●		1 FH	4 SAS/SATA	4x 12500rpm fans	350W Gold-Level	3	29	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
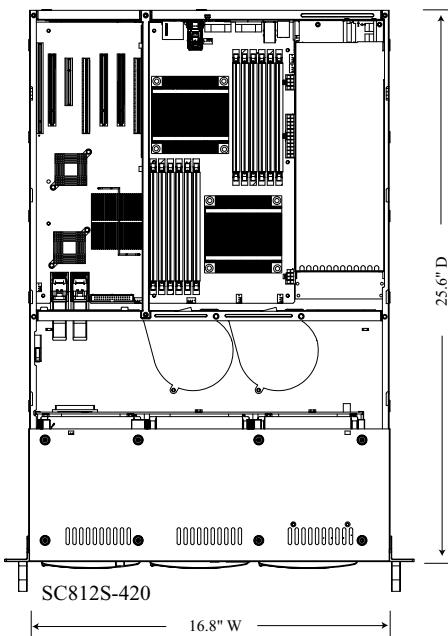
Features

■ Black   ■ Beige

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
Drive Bays	3x 3.5" hot-swap drive bays
Cooling System	2x 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									
SC812i-420C	●	◖	1 FF	3 fixed	Optional	2x 5000rpm blowers	420W (24-pin)		2	32	34 lbs
SC812i-420	●	●	1 FF & 1 LP	3 fixed	Optional	2x 5000rpm blowers	420W (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-520U

SC812L-520C/420C Rear View

SC812L-520U Rear View

25.6" D

16.8" W

SC812L-280U
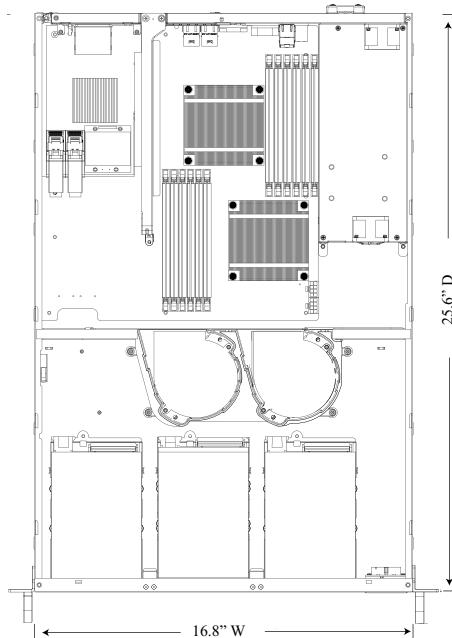
■ Black   ■ Beige

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	+5VSB	+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

SC811S/T/TQ/i/LT   *1U The Best Cost/Performance Ratio*

80 PLUS GOLD

SC811TQ-350B

SC811TQ-350B

16.8" W

22.6" D

SC811T-300

■ Black   ■ Beige
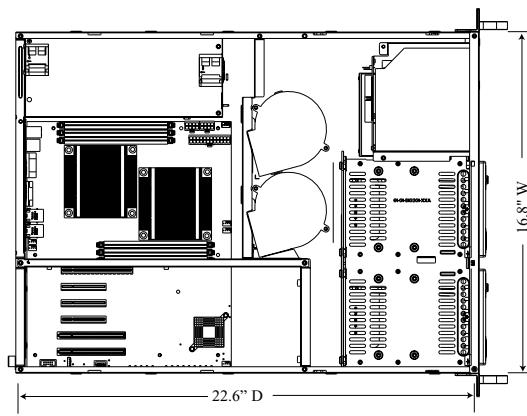
Features

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

✓ Gold Level 92%+ high efficiency 350W power supply

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 CD-ROM drive
Drive Bays	SC811S/SC811TQ/SC811T: 2x 3.5" hot-swap drive bays
	SC811i: 2x 3.5" fixed drive bays
Cooling System	SC811S/SC811TQ/SC811T/SC811i/SC811L: 2x 10cm blowers
	SC811S/SC811T/SC811i-300: 3x 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	2x 5000rpm blowers	520W high-efficiency 3	39	28 lbs
SC811S-300			●	1 FF	2 SCA	3x 14000rpm fans	300W 2	20	28 lbs
SC811S-280		●		1 FF	2 SCA	2x 5000rpm blowers	280W high-efficiency 2	23/27	28 lbs
SC811S-260				1 FF	2 SCA	2x 4200rpm blowers	260W 2	18	27 lbs
SC811TQ-520	●	●		1 FF	2 SAS/SATA w/SES2	2x 5000rpm blowers	520W high-efficiency 3	39	28 lbs
SC811T-420		●		1 FF	2 SAS/SATA	2x 5000rpm blowers	420W 2	32	28 lbs
SC811T-300	●		●	1 FF	2 SAS/SATA	3x 14000rpm fans	300W 2	20	28 lbs
SC811TQ-280	●	●		1 FF	2 SAS/SATA w/SES2	2x 5000rpm blowers	280W high-efficiency 2	23/27	28 lbs
SC811T-260	●			1 FF	2 SAS/SATA	2x 4200rpm blowers	260W 2	18	27 lbs
SC811i-520	●	●		1 FF	2 fixed	2x 5000rpm blowers	520W high-efficiency 3	39	28 lbs
SC811i-420		●		1 FF	2 fixed	2x 5000rpm blowers	420W 2	32	28 lbs
SC811i-300	●		●	1 FF	2 fixed	3x 14000rpm fans	300W 2	20	28 lbs
SC811i-280	●	●		1 FF	2 fixed	2x 5000rpm blowers	280W high-efficiency 2	23/27	28 lbs
SC811i-260	●			1 FF	2 fixed	2x 4200rpm blowers	260W 2	18	27 lbs
New! SC811TQ-350	●	●		1 FF	2 SAS/SATA w/SES2	2x 5000rpm blowers	350W Gold-Level high-efficiency 3	29	28 lbs
SC811L-350	●	●		1 FF	2 fixed	2x 5000rpm blowers	350W Gold-Level high-efficiency 3	29	28 lbs

SC515-U   *1U Short-Depth Front Side UIO Chassis*

SC515-280UB

Front View

Rear View

18" D

17.2" W

SC515-280UB
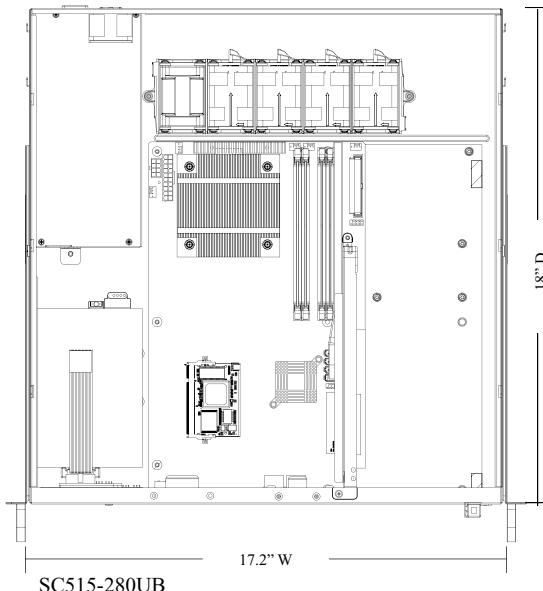
Features

■ 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")

Front I/O Access

SC513F-350

- 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
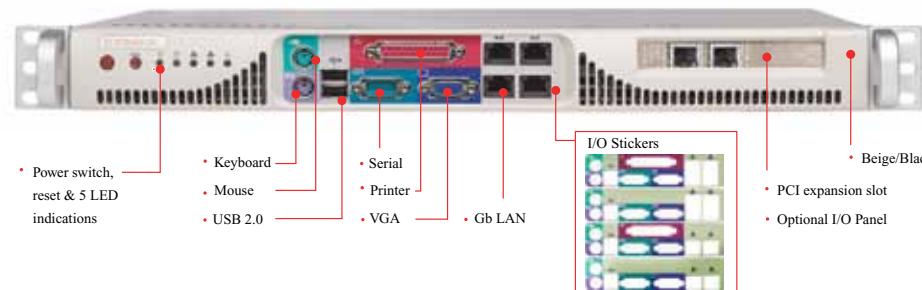
Optimized Air-Flow (front to back)

SC513L-420/410

SC513F-350/260

SC513L-260
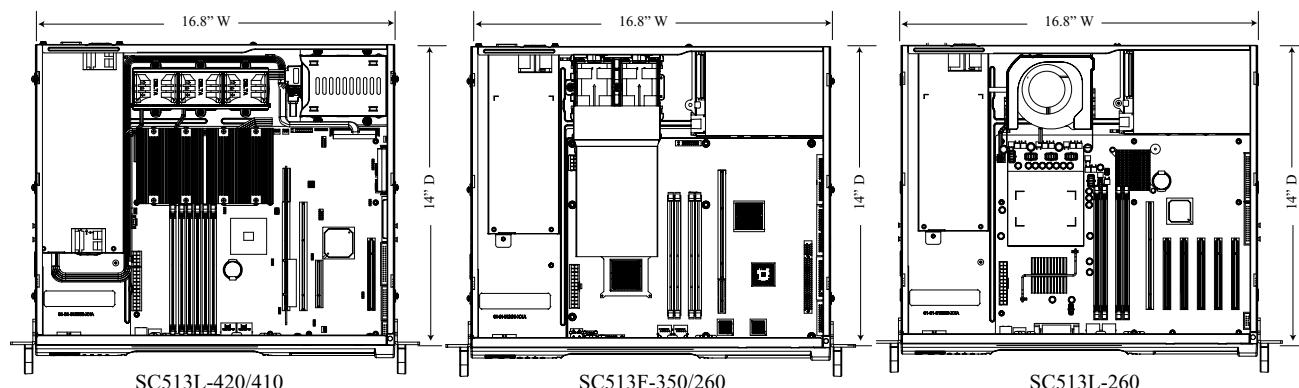
Features

■ Black ■ Beige

✓ 14" depth small form factor 1U server, dual Xeon® support, front I/O access, full-height expansion
✓ Gold Level 92%+ high efficiency 350W power supply

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-260/350: 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		+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD+	PD								
SC513L-420	●	●			1 FH	2 x 2.5 fixed	3x 10000rpm fans	420W		2	32	15 lbs
SC513L-410	●	●			1 FH	2 x 2.5 fixed	3x 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	1x 5000rpm blower	260W		2	18	14.5 lbs
SC513F-350	●	●	●		1 FH	1 x 3.5" fixed or 2 x 2.5" option	2x 5000rpm blower	350W Gold-Level		3	29	14.5 lbs
SC513F-260	●	●	●	●	1 FH	1 x 3.5" fixed or 2 x 2.5" option	2x 14000rpm fans	260W		2	18	14.5 lbs

New!

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

80 PLUS GOLD

SC512F-350

SC512F-350B

SC512F-520B Rear View

SC512F-520

14.5" D

17.2" W
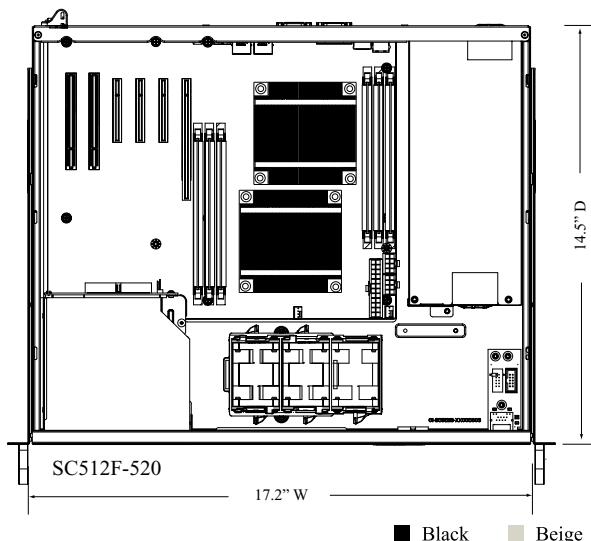
■ Black   ■ Beige

Features

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

✓ Gold Level 92%+ high efficiency 350W power supply

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; SC512F-350 (optional)
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-350/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 SC512F-350: 350W Gold Level high-efficiency power supply
Cooling System	SC512F-520/SC512F-520L: 3x 4cm counter-rotating fans SC512F-350/SC512F-280: 2x 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: 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	+5V$_{SB}$	+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
SC512F-350B	●	●	1 FH	2 fixed	_	slim	2 x 14000rpm fans	350W Gold-Level high-efficiency	3	29	13 lbs

New!

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*

SC512L-200B

LCD Front view (SC512L-260-LCD)

Rear view (SC512-200B)
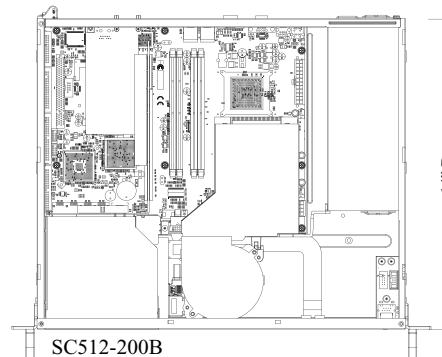
SC512-200B

SC512F-260B

16.8" W

■ Black   ▨ Beige
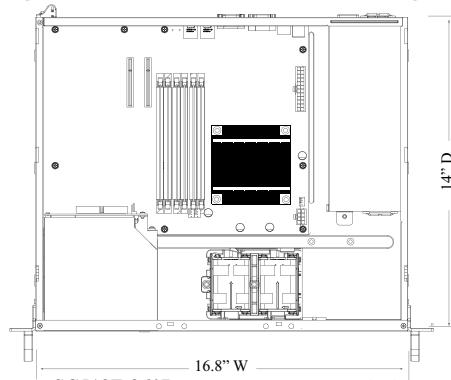
Features

✓ 14" depth small form factor 1U server, heavy duty blower for superior cooling
✓ 80+ high efficiency 200W power supply

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
Power Supply	SC512-200: 200W high efficiency (80+) power supply; SC512(L)-260/200: 260W/200W 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: 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 (80+) (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/L *11.3" Depth 1U Optimized Space Efficiency*

SC510L-200B

SC510T-200B

SC510 Rear view
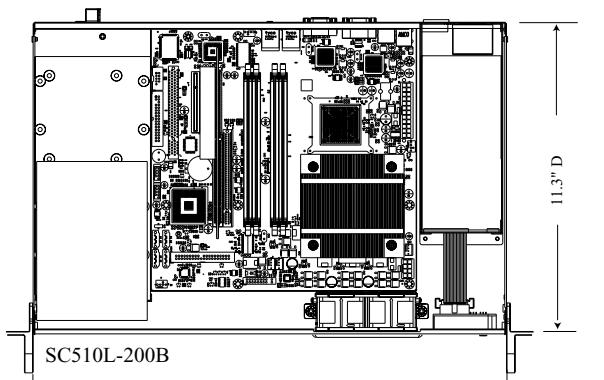
SC510L-200B
11.3" D
17.2" W
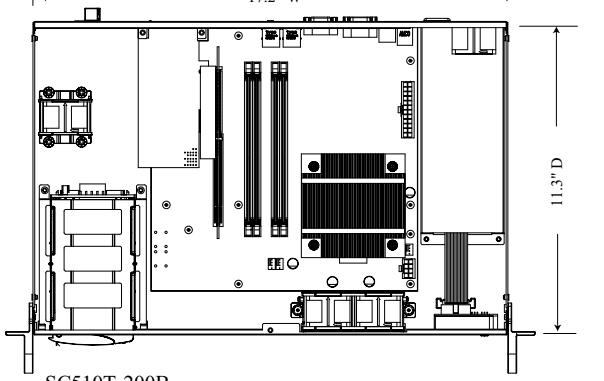
SC510T-200B
11.3" D

■ Black

Features

✓ 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/SC510L: 1 full-height & half-length expansion slot with riser card (optional)
	SC510T: 1 low profile expansion slot (with riser card)
Drive Bays	SC510/SC510L: 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	SC510/SC510T: 200W 80 PLUS® Certified high-efficiency power supply with thermal control fan SC510L: 200W power supply
Cooling System	SC510/SC510L: 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	2x 8500rpm fan	200W 80 PLUS® Certified high-efficiency	2	16	11 lbs
SC510T-200B	●	●	1 LP	2x hot-swappable 2.5"	3x 8500rpm fan	200W 80 PLUS® Certified high-efficiency	2	16	12 lbs
SC510L-200B	●	●	1 FH	1x 3.5" fixed	2x 8500rpm fan	200W power supply	2	16	12 lbs

New!

Optional Kit	Model Part #	Description
2.5" HDD Bracket	MCP-220-00044-0N MCP-220-00051-0N	2.5" HDD bracket for 2 x 2.5" HDD (For SC510) 2.5" HDD bracket for 1 x 2.5" HDD (For SC510T)
Air Shroud	MCP-310-51002-0B	SC510 air shroud (optional for SC510L)

SC503

9.8" Depth 1U Optimized Space Efficiency

SC503-200B

Front view

Rear view

SC503-200B

17.2" W

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	1x 3.5" or up to 2x 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/L   *9.8" Depth 1U Optimized Space Efficiency*

SC502-200B

SC502L-200B

Rear view

SC502-200B

17.2" W

9.8" D
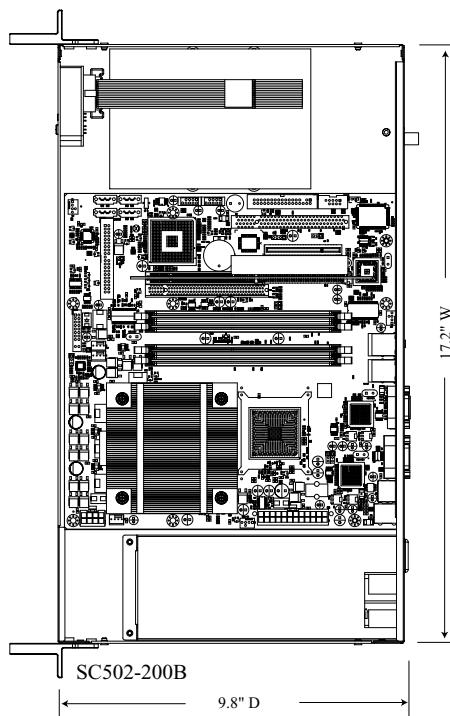
Features
■ Black

✓ 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® Celeron 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 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	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

SC523L   14.5" Depth 2U Front Access with 7 Low-Profile Expansion Slots

SC523L-520B

Rear view

14.5" D

17.2" W
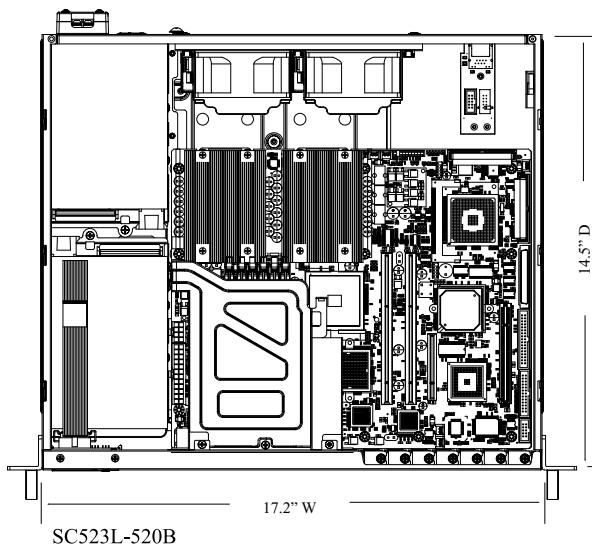
SC523L-520B

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

Optional Kit	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 typical loading operations.

SC217HQ   *Four Motherboards in one 2U server*

2U Twin²™ - *Versatile Modular Design supports Twin Motherboards*

SC217HQ-R1400B

Rear View

24x 2.5" HDDs

Front View

26.75" D

17.25" W
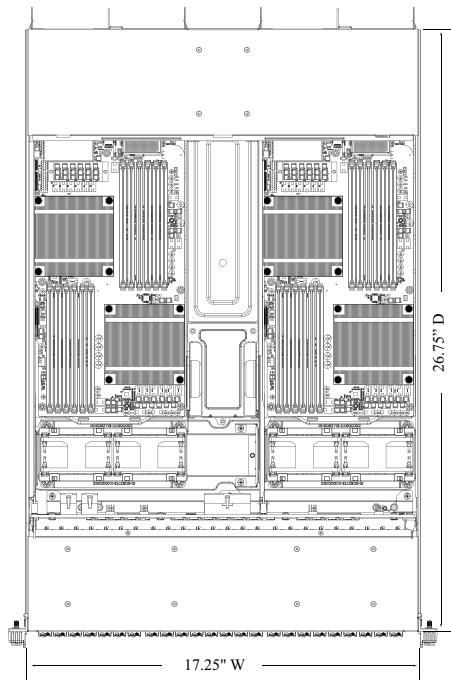
■ Black

Features

✓ 4x hot-swap motherboard modules in 2U server
✓ 4x front control panel with UID (independent control & fail-monitor for each node)
✓ 24x 2.5" hot-swap SAS/SATA drive trays
✓ 1400W 93%+ 80 Plus Gold Level redundant high-efficiency power supply
✓ Swappable module design for quick release rail and bulk pack design

Specifications

Form Factor	2U rackmount chassis (26.75" depth) supports for 4x Supermicro Twin motherboard
CPU support	4x Dual Intel® and AMD processors
Expansion	4x low-profile AOC expansion slots (1x slot per node)
Drive Bays	24x 2.5" SAS / SATA hot-swap HDDs (6x HDDs per node)
Power Supply	1400W 80 PLUS Gold Level Certified high efficiency (93%) redundant power supply w/ PMBus support
Cooling System	4x 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 26.75" (679mm)
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 Supply	+5V$_{SB}$	+12V	Gross Weight
New! **SC217HQ-R1400B** (OEM*)	Yes**	1400W 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")

* For OEMs Only - Minimum quantity required.
** Hot-swappable motherboard requires optional adapter card for each node, please contact your sales representative for more information on set-up configuration.

SC216A/E1/E2/E16/E26 *2U Highly Scalable Storage Chassis*

2.5" HDD

SC216E16/E26-R1200U/LPB

SC216E1-R900UB

UIO Rear View

LP Rear View

SC216A-R900UB

24.8" D

17.2" W
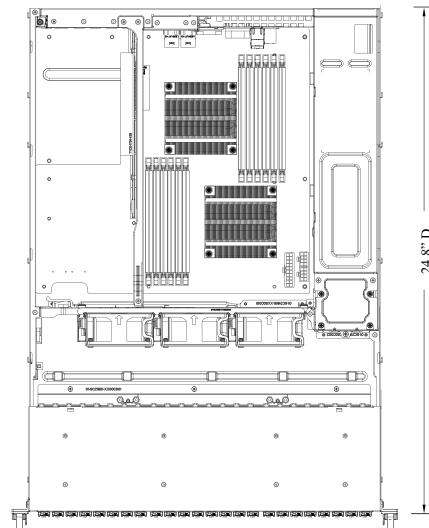
■ Black

Features

✓ 24 hot-swap SAS/SATA HDDs in 2U; 7 low-profile or UIO solution support (4x FH, 3x LP)
✓ Redundant 1200W Gold-Level (93%+), or redundant 900W high-efficiency power supply
✓ 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 1200W Gold-Level (93%+), or redundant 920W/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-R900U/LPB	●	●	●	●	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-R900U/LPB	●	●	●	●	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
Coming Soon! SC216E16-R1200U/LPB	●	●	●	●	4x FH, 3x LP/ 7x LP	24 x 2.5" hot-swap SAS2 drive bays w/SES-II (Single expander w/ IPASS Connector)	Redundant Gold-Level 1200W	4	75	57 lbs
Coming Soon! SC216E26-R1200U/LPB	●	●	●	●	4x FH, 3x LP/ 7x LP	24 x 2.5" hot-swap SAS2 drive bays w/SES-II (Dual expanders w/ IPASS Connectors)	Redundant Gold-Level 1200W	4	75	57 lbs
SC216A-R1200U/LPB	●	●	●	●	4x FH, 3x LP	24 x 2.5" hot-swap SAS/SATA drive bays w/SES-II, 6 iPass connectors	Redundant Gold-Level 1200W	4	75	57 lbs
New! SC216A-R920UB	●	●	●	●	4x FH, 3x LP	24 x 2.5" hot-swap SAS/SATA drive bays w/SES-II, 6 iPass connectors	Redundant 920W Platinum-Level pending	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")

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

SC213A/LTQ

2U Highly Reliable, Versatile and Scalable Storage Chassis

2.5" HDD

SC213A-R720UB/LPB

SC213A-R720LPB

UIO Rear View

LP Rear View

SC213A-R720LP

24.8" D

17.2" W
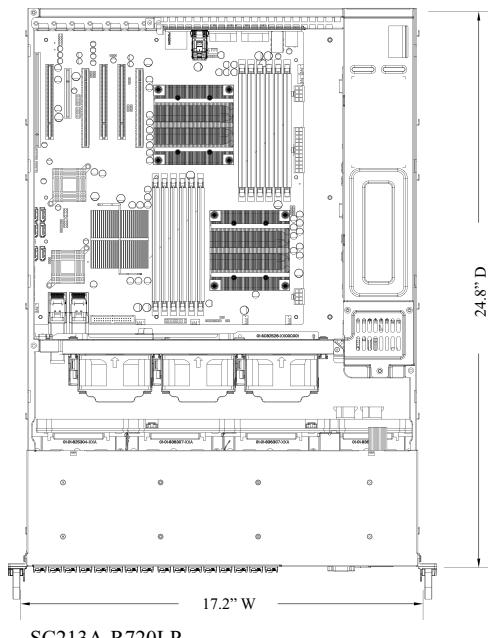
Features

✓ 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	SC213A-R900/R720UB: 4 x FH, 3 x LP expansion slot; SC213A-R900/R720LPB: 7 x LP expansion slot
Drive Bays	1x 5.25" drive bay, 1x slim DVD-ROM (optional), 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	●	●	●	●	4x FH, 3 x LP	16x 2.5" hot-swap SAS/SATA drive bays w/SES-II	Redundant 900W	4	75
SC213A-R900LPB	●	●	●	●	7x LP	16x 2.5" hot-swap SAS/SATA drive bays w/SES-II	Redundant 900W	4	75
SC213A-R720UB	●	●	●	●	4x FH, 3 x LP	16x 2.5" hot-swap SAS/SATA drive bays w/SES-II (Single expander w/ IPASS Connector)	Redundant 720W Gold-Level	3	59
SC213A-R720LPB	●	●	●	●	7x LP	16x 2.5" hot-swap SAS/SATA drive bays w/SES-II (Dual expanders w/ IPASS Connectors)	Redundant 720W Gold-Level	3	59
New! SC213LTQ-R720UB	●	●	●	●	4x FH, 3 x LP	8x 2.5" hot-swap SAS/SATA drive bays w/SES-II (Single expander w/ IPASS Connector)	Redundant 720W Gold-Level	3	59
New! SC213LTQ-R720LPB	●	●	●	●	7x LP	8x 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")

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

SC828TQ *2U 7 Low-Profile Expansion Slots*

828TQ-R1200LPB

Rear view

27.9" D

17.2" W
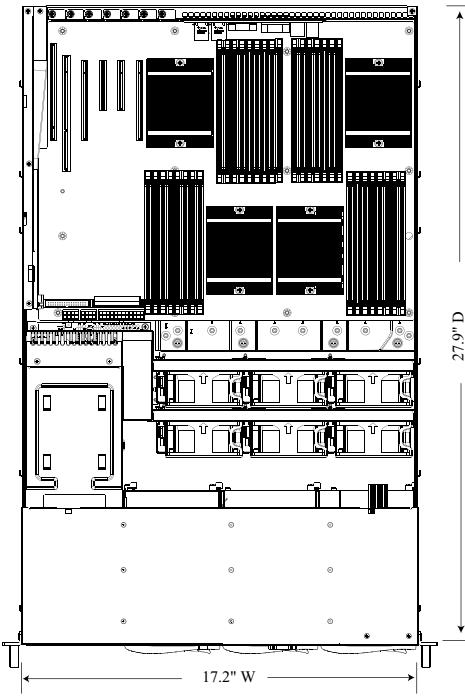
SC828TQ-R1200LPB

■ Black

Features

✓ 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"
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
828TQ-R1400LPB	●	●	●	7 LP	6x 3.5" hot-swap SAS/SATA drive bays w/ SES-II	6x 80mm 6500 RPM fans	1400W Redundant Power Supply	4	83/100	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/H/HD   *Four Motherboards in one 2U server*

## 2U Twin²™ - *Versatile Modular Design supports Twin Motherboards*

SC827T/H/HD

SC827T/H-R1400B

SC827HD-R1400B

Front View
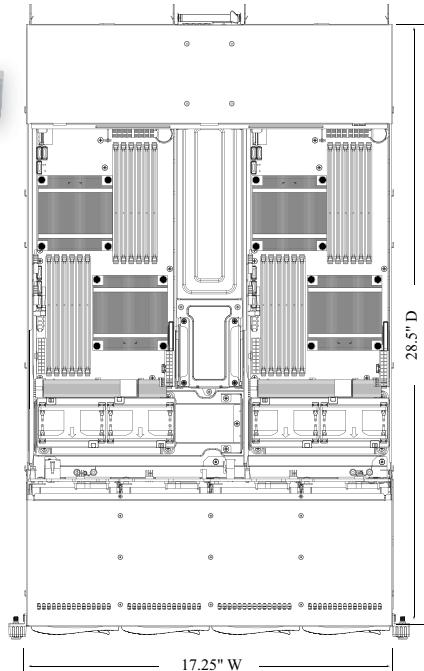
28.5" D

17.25" W

■ Black

Features

✓ Up to 4x swappable motherboard modules in 2U server
✓ 4x front control panel with UID (fail-monitor for each node)
✓ 12x 3.5" hot-swap SAS/SATA drive trays
✓ 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 max. 4x Supermicro Twin motherboard
CPU support	Up to 4x Dual Intel® and AMD processors
Expansion	SC827T/H: 4x low-profile AOC expansion slots (1x slot per node) SC827HD: 4x FH/FL + 2x LP AOC expansion slots (3x slot per node)
Drive Bays	SC827T/H: 12x 3.5" SAS / SATA hot-swap HDDs (3x per node) SC827HD: 12x 3.5" SAS / SATA hot-swap HDDs (6x per node)
Power Supply	1200W/1400W 80 PLUS Gold-Level Certified high efficiency (93%) redundant power supply w/ PMBus support
Cooling System	4x 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 (2x for SC827HD)
Front Panel Buttons	4x Power On/Off button; UID button (2x for SC827HD)
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 Supply	+5VSB	+12V	Gross Weight
SC827T-R1200/1400B (OEM*)	No	1200W/1400W Gold-Level high-efficiency redundant power supply w/PMBus	4A	83/100A	68 lbs
SC827H-R1200/1400B (OEM*)	Yes**	1200W/1400W Gold-Level high-efficiency redundant power supply w/PMBus	4A	83/100A	68 lbs
New! SC827HD-1400B (OEM*)	Yes**	1400W 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")

* For OEMs Only - Minimum quantity required.
** Hot-swappable motherboard requires optional adapter card for each node, please contact your sales representative for more information on set-up configuration.

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Highly Reliable, Available and Scalable Storage

SC826A/E1/E2-R1200LPB/U

SC826A-R1200LPB

SC826A-R1200LPB Rear view

SC826A-R1200U Rear view

25.5" D

17.2" W

SC826A-R1200LPB
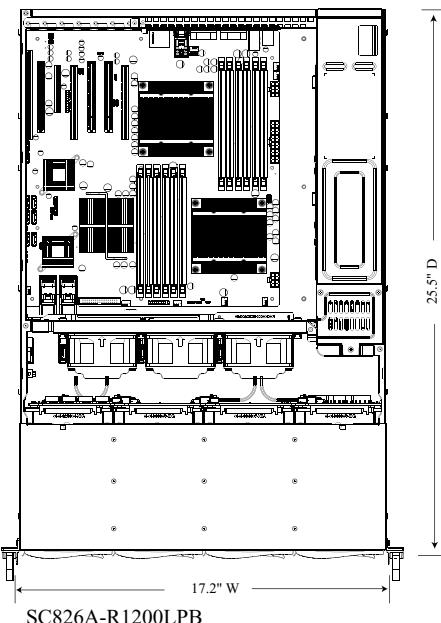
Features

■ Black

✓ 1200W Gold-Level and 800W redundant high-efficiency power (93%+*)
✓ 3 high-performance fans with adjustable air shroud
✓ 3Mini-i-Pass (SFF 8087) connectivity on SC826A model

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	SC826TQ/A/E1/E2-LPB: 7 low-profile expansion slots SC826TQ/A/E1/E2-U: 4 full-height & 3 low-profile expansion slots
Drive Bays	12x 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 supplies w/ I^{2}C & 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" 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/U	●	●	●	7 LP/ 4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II, 3 iPass connectors	3x 6300rpm fans	1200W Gold-Level redundant high-efficiency w/I²C & PMBus	4	83/100A	55 lbs
SC826E1-R1200LPB/U	●	●	●	7 LP/ 4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II (Single expander w/ IPASS connector)	3x 6300rpm fans	1200W Gold-Level redundant high-efficiency w/I²C & PMBus	4	83/100A	55 lbs
SC826E2-R1200LPB/U	●	●	●	7 LP/ 4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II	3x 6300rpm fans	1200W Gold-Level redundant high-efficiency w/I²C & PMBus	4	83/100A	55 lbs
SC826TQ-R800LPB/U	●	●	●	7 LP/ 4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II	3x 6300rpm fans	800W redundant high-efficiency w/I²C	4	66	52 lbs
SC826E1-R800LPB/U	●	●	●	7 LP/ 4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II (Single expander w/ IPASS connector)	3x 6300rpm fans	800W redundant high-efficiency w/I²C	4	66	52 lbs
SC826E2-R800LPB/U	●	●	●	7 LP/ 4 FH & 3 LP	12 x 3.5" hot-swap SAS/SATA drive bays with SES-II (Dual expanders w/ IPASS connectors)	3x 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")
JBOD	CSE-PTJBOD-CB1	Power Control Card

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

SC825TQ-R720LPB/UB

SC825TQ-R720LPB

SC825TQ-R720LPB rear view

SC825TQ-R720UB rear view

SC825TQ-R720LP

25.5" D

17.2" W

■ Black   ■ Silver
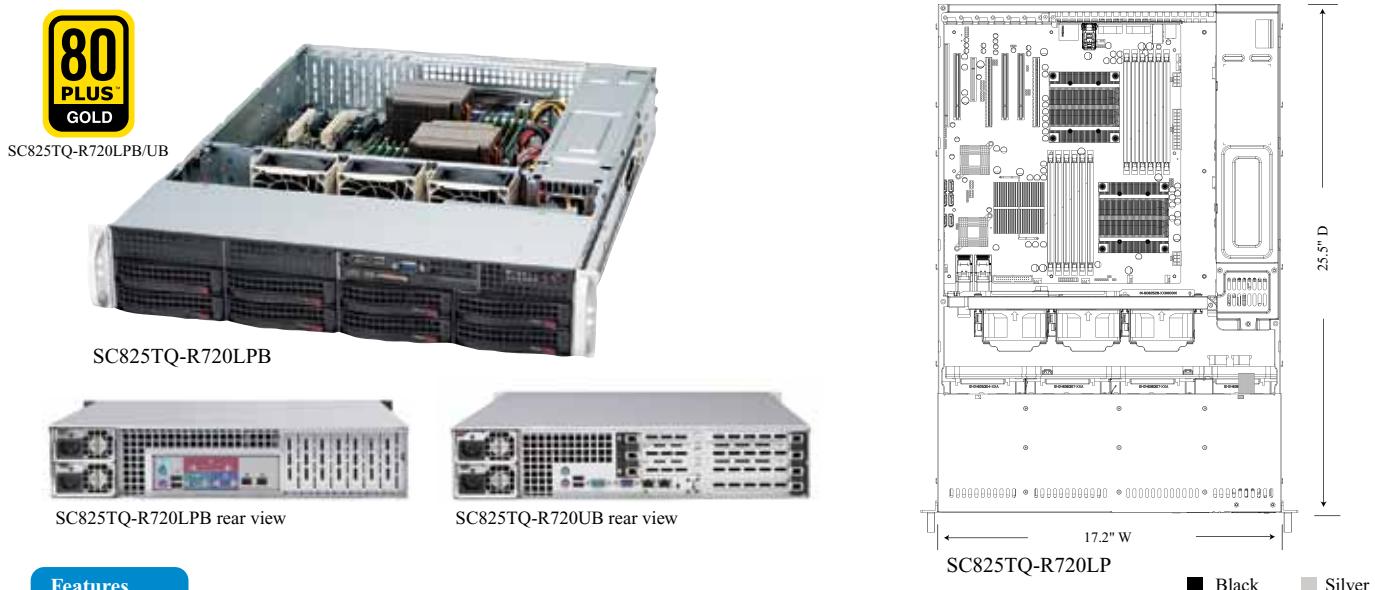
Features

✓ 720W Gold-Level/700W redundant/560W power supply with high efficiency power (93% and up*)
✓ 7 expansion slots, 3 high-performance PWM fans with adjustable air shroud

Specifications

Form Factor	2U chassis support for max. motherboard size - 13.68" x 13"; E-ATX, ATX, or UIO motherboard (-U)
CPU support	Dual and Single Intel® and AMD processors
Expansion	SC825TQ/SI/S2: 7 low-profile expansion slots; SC825TQ-U: 4 full-height & 3 low-profile expansion slots
Peripheral Drives	1 slim DVD-ROM drive, 2 USB 2.0 ports (optional); 2 x 3.5" bays; 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/R720UB/R700U/560U: 8 x 3.5" hot-swap SAS/SATA drive bays w/SES2**
Power Supply	SC825TQ-R720LP/U: 720W Gold-Level redundant high-efficiency power supply w/ PMBus SC825TQ/S1/S2-R700LP/U: 700W (1+1) redundant high-efficiency power supply SC825TQ/S2-560LP/U: 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

New!

Model	MB (Max. 13.68" x 13")				PCI I/O	Drive	Power	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	X6	PD						
SC825TQ-R720LPB	●	●	●	◗	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
SC825TQ-R720UB	●	●	●	◗	4 FH & 3 LP	8 SAS/SATA w/SES2	720W Gold-Level redundant high-efficiency w/ PMBus	3	59	52 lbs
SC825TQ-R700U	●	●	●	◗	4 FH & 3 LP	8 SAS/SATA w/SES2	700W redundant high-efficiency	4	57	52 lbs
SC825TQ-560U	●	●	●	◗	4 FH & 3 LP	8 SAS/SATA w/SES2	560W high-efficiency	3	43	50 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 typical loading operations.
** Full SES-II support is only on SAS motherboard

SUPERMICR® *Server Building Block Solutions® - November 2009*

SC825MS/MTQ(-U) *2U Performance Compact 17.7" Depth*

SC825MTQ-R700UB

SC825MTQ-R700UB rear view

SC825MTQ-R700UB

17.7" D

17.2" W
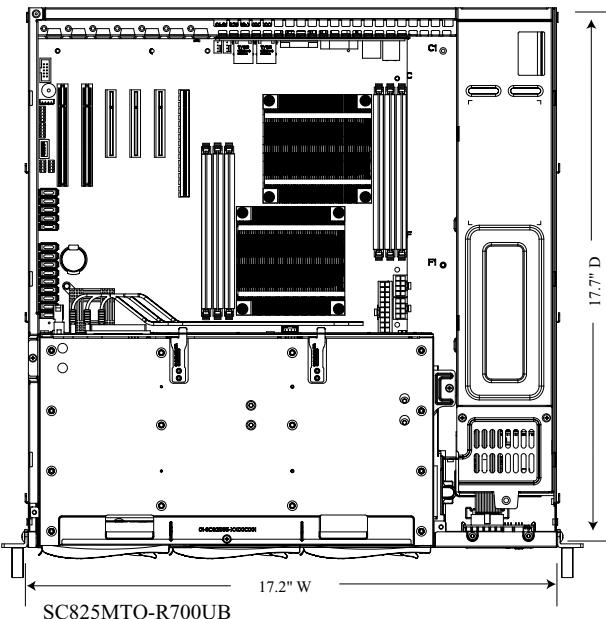
Features
■ Black

✓ 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 typical loading operations.

SC823MTQ-R700LPB

SC823MTQ-R700UB

SC823MTQ-R700LPB rear view

SC823MTQ-R700UB rear view

17.7" D
17.2" W

17.7" D
17.2" W
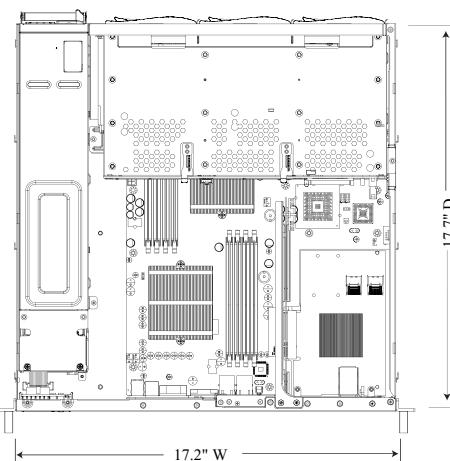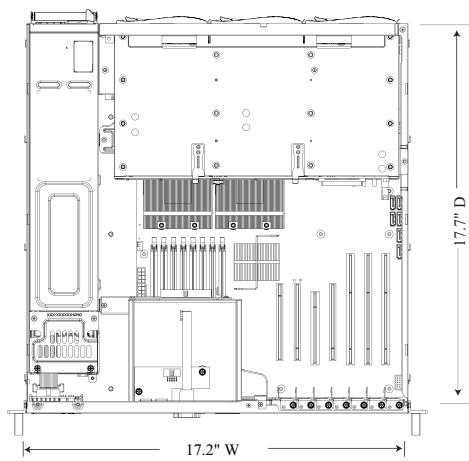
■ Black

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
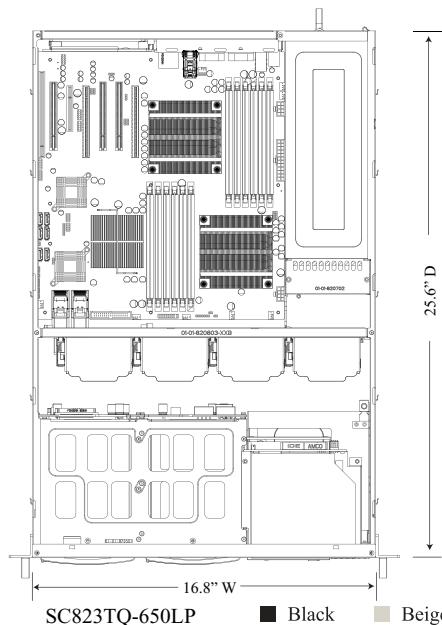
Features

Offers superb benchmark performance and reliability for any rackmount servers, redundant power supply, advanced airflow, and thermal-control design, patented redundant cooling power supply (650W). 7 low-profile expansion slots

Specifications

Form Factor	2U chassis supports motherboard sizes - 12"x13" E-ATX and 12"x10" 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)
Cooling System	4x 8cm hot-swap redundant PWM 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 80PLUS® certified		4	54	50 lbs
SC823i -R400LP	●	●	●	6 fixed	Slim/Opt.	4x 3400rpm fans	400W 80PLUS® certified		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 80PLUS® certified		4	54	53 lbs
SC822T-400LPB	●	●	●	6 SCA	Slim/Opt.	4x 3400rpm fans	400W 80PLUS® certified		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)

SC936A/E1/E2 — 3U Chassis with 100% Cooling Redundancy

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

SC936A/E1/E2-R1200B

SC936A-R1200B

Rear view
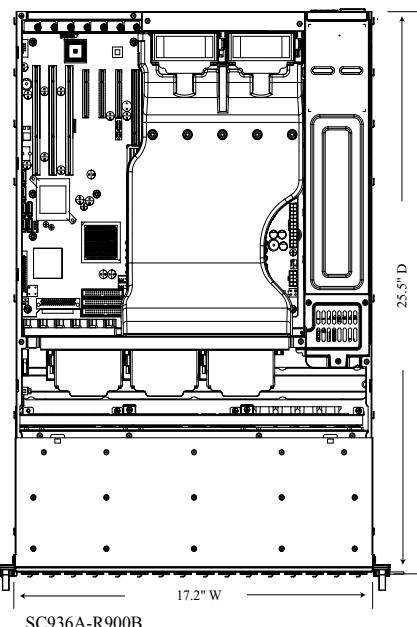
25.5" D
17.2" W
SC936A-R900B

Features

■ Black

✓ Redundant 1200W Gold-Level (93%+) or redundant 900W high-efficiency power supply w/ PMBus
✓ 100% cooling redundancy, 5 hot-plug redundant cooling fans with adjustable air shroud*
✓ Superior quality; can be configurated 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: 16x 3.5" hot-swap SATA/SAS drive bays with SES2 and Mini-i-Pass (SFF 8087) connectivity
	SC936E2-R1200BR900B: 16x 3.5" hot-swap SATA/SAS drive bays with SES2 (2 expanders for dual-port support)
	SC936E1-R1200BR900B: 16x 3.5" hot-swap SATA/SAS drive bays with SES2 (1 expander for single-port support)
Power Supply	Redundant 1200W Gold-Level (93%+) / redundant 900W (1+1) high-efficiency power supply w/I²C & fan speed control
Cooling System	3x 8cm hot-swap 4-pin PWM cooling fans, 2x 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.	5x 6300rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	80 lbs
SC936A-R900B	●	●	●	◖	16 SAS w/SES-II, 4 iPass conn.	5x 6300rpm fans	900W redundant high-efficiency	4	75	75 lbs
SC936E2-R1200B	●	●	●	◖	16 SAS w/SES-II (Dual expanders w/ IPASS connectors)	5x 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)	5x 6300rpm fans	900W redundant high-efficiency	4	75	75 lbs
SC936E1-R1200B	●	●	●	◖	16 SAS w/SES-II (Single expander w/ IPASS connector)	5x 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)	5x 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")
JBOD Power Board	CSE-PTJBOD-CB1	JBOD storage power-up control board

* 100% cooling redundancy applies to HDD, CPU, memory & other components on main board.

100% cooling redundancy

SC933S1-R760

25.5" D

17.7" W

SC933S1-R760

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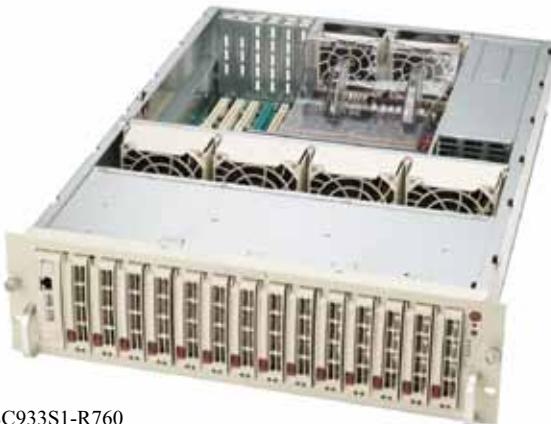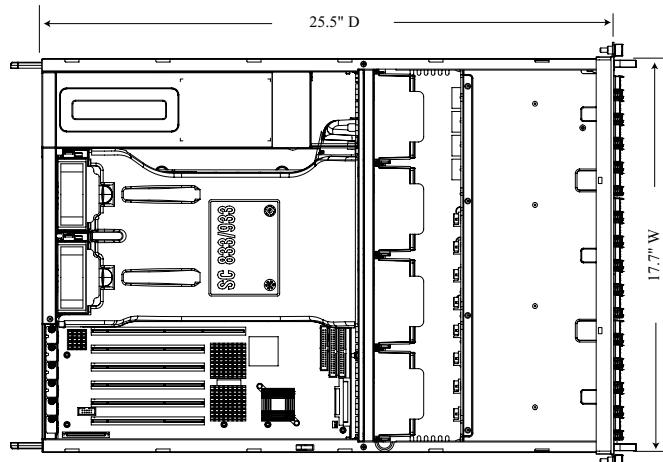
✓ 100% cooling redundancy, supports up to 15 hot-swap SAS/SATA drives*
✓ 760W triple redundant power supply & up to 6 hot-plug redundant cooling fans with adjustable air shroud

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

* 100% cooling redundancy applies to HDD, CPU, memory & other components on main board.

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

SC836A/E1/E2/E16/E26-R1200B

SC836TQ-R1200

25.5" D

17.2" W

SC836TQ-R800
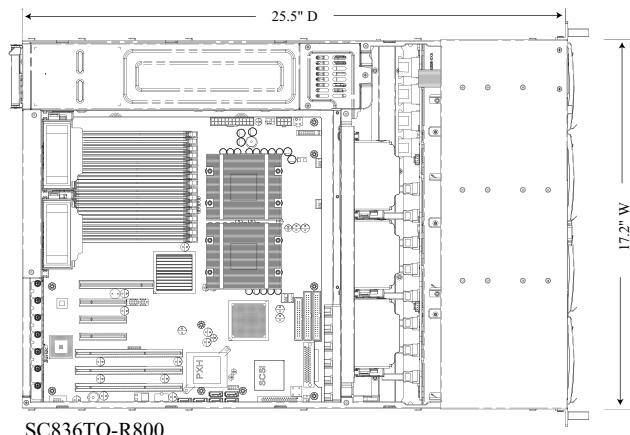
Features

■ 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 Optional slim DVD-ROM drive, 2 Optional 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	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD						
SC836A-R1200B	●	●	◐	16 SAS/SATA w/SES2	5 x 6300rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	75 lbs
SC836E1/E2-R1200B	●	●	◐	16 SAS/SATA w/SES2 (Single/Dual expander w/IPASS connector)	5 x 6300rpm fans	1200W Gold-Level redundant high-efficiency	4	83/100	75 lbs
SC836E16/E26-R1200B	●	●	◐	16 SAS2 w/SES2 (Single/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

Coming Soon! (note next to SC836E16/E26-R1200B row)

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
JBOD Power Board	CSE-PTJBOD-CB1	JBOD storage power-up control board

* 100% cooling redundancy applies to HDD, CPU, memory & other components on main board.

SUPERMICRO® *Server Building Block Solutions® - November 2009*

SC835TQ

3U Chassis with 100% Cooling Redundancy

100% cooling redundancy

SC835TQ-720B

SC835TQ-800B

Rear view

25.5" D

17.2" W

SC835TQ-800B
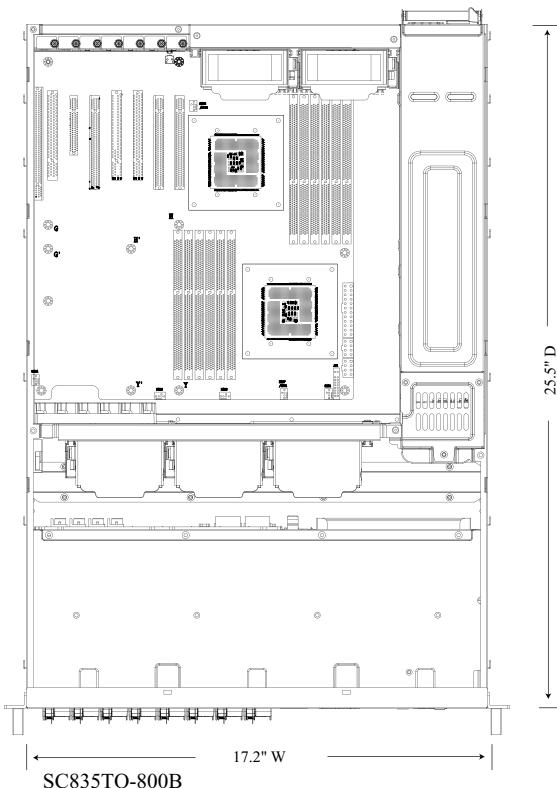
Features

✓ 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 motherboard size - 13.68"x13", E-ATX and ATX
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	8x 3.5" hot-swap SAS/SATA drive bays with SGPIO & 2x 5.25" drive bays
Cooling System	5x 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

Model	MB (Max. 13.68" x 13")			Drive	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
	X8	X7	PD						
SC835TQ-R800B	●	●	◑	8 SAS/SATA with SES2	5x 8cm 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 applies to HDD, CPU, memory & other components on main board.

SC833S/S2/T/TQ

## 3U Chassis with 100% Cooling Redundancy

100% cooling redundancy

SC833T-650

25.5" D

17.7" W

SC833T-650
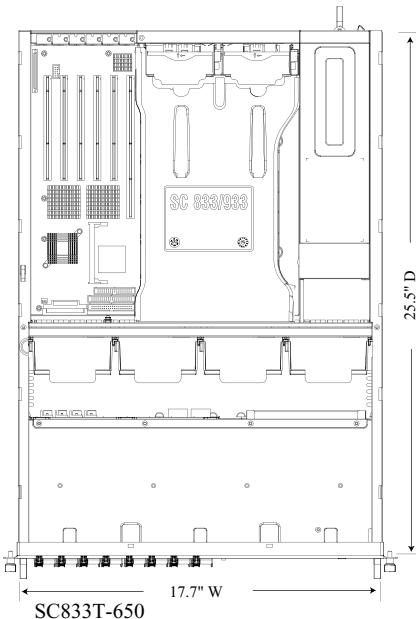
■ Black   ■ Beige

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 motherboard sizes - 12"x13" E-ATX and 12"x10" 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: 8x 3.5" hot-swap SAS/SATA drive bays & 2x 5.25" drive bays
Cooling System	4x 9cm hot-swap cooling fans, 2x 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	6x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	72 lbs
SC833S-R760		●	◑	8 SCA w/SAF-TE	6x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	72 lbs
SC833T-R760	●	●	◑	8 SAS/SATA	6x 5000rpm fans	760W+380W triple-redundant w/I²C	3.5	50	72 lbs
SC833S2-650		●	◑	8 dual-channel (4+4) SCA w/SAF-TE	6x 5000rpm fans	650W 80 PLUS® Certified	4	54	67 lbs
SC833S-650		●	◑	8 SCA w/SAF-TE	6x 5000rpm fans	650W 80 PLUS® Certified	4	54	67 lbs
SC833T-650	●	●	◑	8 SAS/SATA	6x 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) DVM-PNSC-824(B)	Slim 24x TEAC CD-ROM Drive Slim 8x DVD ROM/24x CD-ROM Combo Drive (B= Black)

* 100% cooling redundancy applies to HDD, CPU, memory & other components on main board.

SC832T/S

3U Form Factor Supports Full-Size Slots

SC832T-650

Rear view

25.5" D

17.7" W

SC832T-650
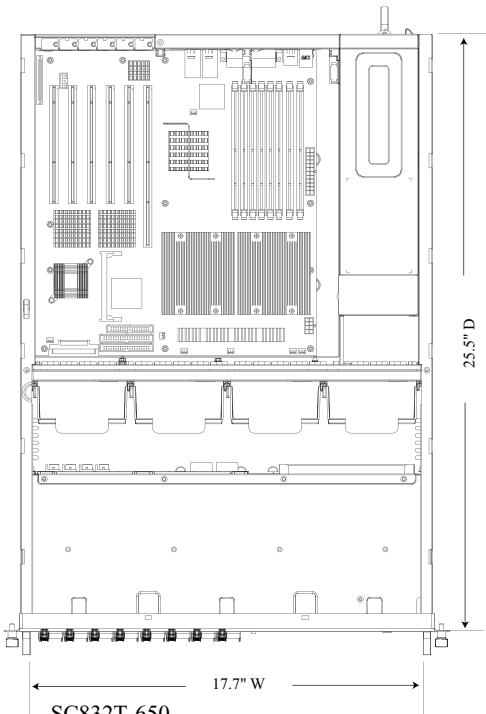
■ Black   ■ Beige

Features

✓ 3U form factor supports full-size slots
✓ 760W triple redundant power & 4 hot-swap heavy-duty fans, support up to 8 hot-swap drives
✓ 650W patented redundant cooling power supply

Specifications

Form Factor	3U chassis support for motherboard size - 13.68"x13", 13"x12" E-ATX and 12"x10" 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 & 2x 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 80 PLUS® Certified high-efficiency 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)

80 PLUS BRONZE

SC733TQ-665B

SC733TQ-665B

20.9" D

16.8" H
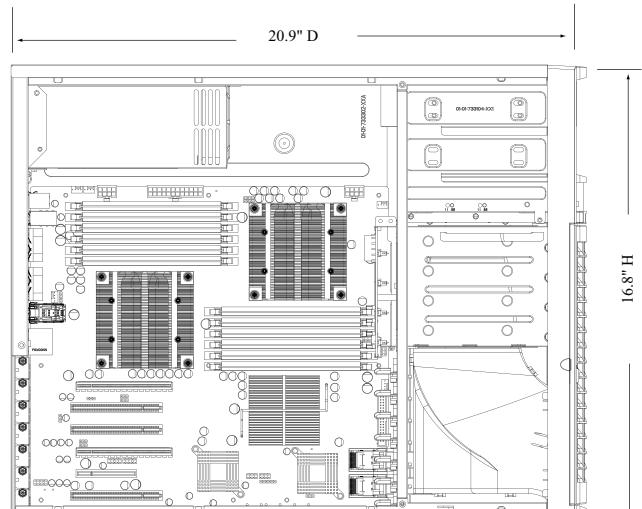
SC733TQ-665B

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 & 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-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-450	●	●	●	●	●	●	●	●	4 SAS/SATA	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
SC733T-500B *(Coming Soon!)*	●	●	●	●	●	●	●	●	4 fixed	No chassis fan	465W 80 PLUS® Certified high-efficiency, low-noise	39 lbs
SC733TQ-500B *(Coming Soon!)*	●	●	●	●	●	●	●	●	4 fixed	No chassis fan	465W 80 PLUS® Certified high-efficiency, low-noise	39 lbs
SC733i-500B *(Coming Soon!)*	●	●	●	●	●	●	●	●	4 fixed	No chassis fan	465W 80 PLUS® Certified high-efficiency, low-noise	39 lbs
SC733E-500B *(Coming Soon!)*	●	●	●	●	●	●	●	●	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

25dB Whisper-Quiet

80 PLUS BRONZE

SC731i/D-300B

SC731D: Card reader

SC731i

SC731D-300B

16.75" D

14.25" H
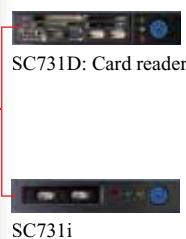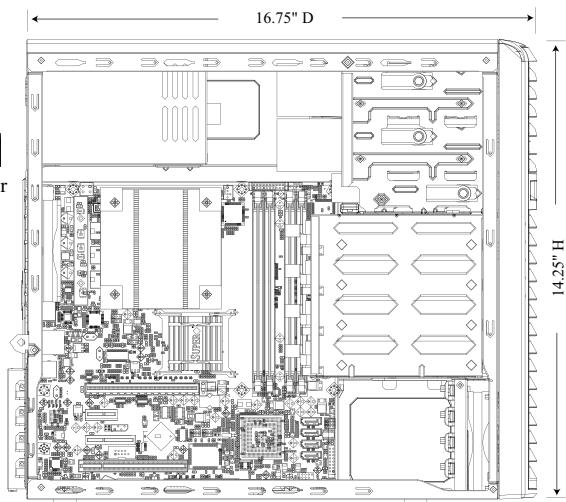
SC731i-300B

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) Packing: 11" x 21" x 23"
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

* For OEMs Only - Minimum quantity required.

SC942s/i   *4U/Tower Rackmount High-End Server Chassis*

SC942i-R760

D: 23.8"

W: 17.8"
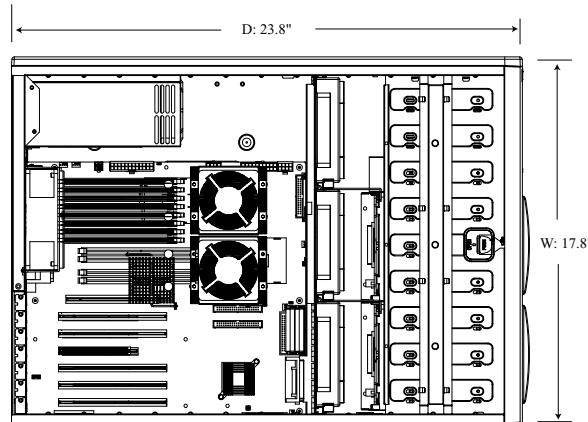
SC942i-R760

■ 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	+5V$_{SB}$	+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-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 CSE-M34S CSE-M34T CSE-M28E1 CSE-M28E2	SATA Mobile Rack 3 x 5.25" Openings to 5 x 3.5" Drives SCSI Mobile Rack 3 x 5.25" Openings to 4 x 3.5" Drives SATA Mobile Rack 3 x 5.25" Openings to 4 x 3.5" Drives SAS/SATA Mobile Rack 2 x 5.25" Openings to 8 x 2.5" Drives 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
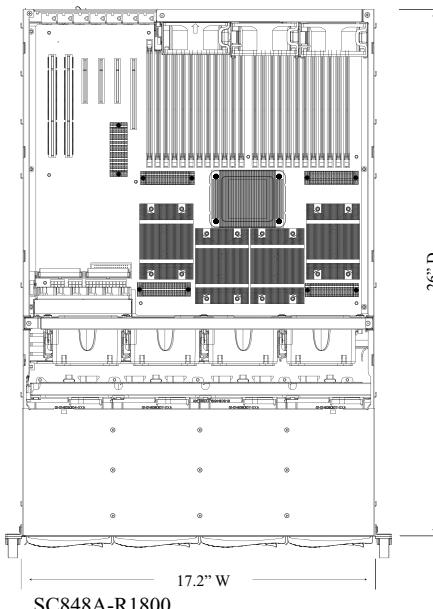
Features

■ Black

✓ 1200W(1+1) Gold-Level / 1800W(2+1) high-efficiency redundant power supply
✓ Mini-I-Pass (SFF 8087) connectivity
✓ 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)

# SC847A/E16/E26 — *4U Extra High-Density Storage Chassis*

SC847A/E16/E26-R1400B

SC847A/E16/E26-R1400B

Rear View

27.5" D

17.2" W
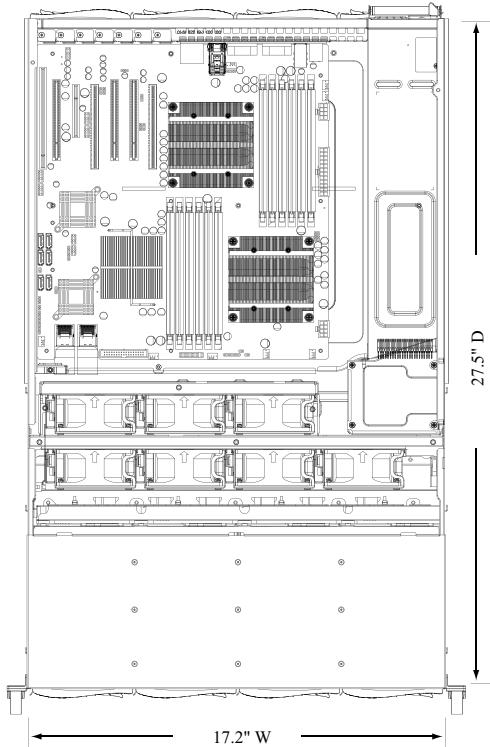
SC847A/E1/E2/E16/E26-R1400B

■ Black

Features

✔ 36x (24 front + 12 rear) 3.5" hot-swap HDD bays for server chassis; 45x (24 front + 21 rear) 3.5" hot-swap HDD bays for JBOD chassis
✔ Redundant (1+1) 1400W Gold Level (93%+) power supply with PMBus function
✔ 7x low-profile or 4x full-height + 3x low-profile (UIO) expansion slots
✔ 7x 8cm (middle) hot-swap cooling fans, redundant cooling

Specifications

Form Factor	4U chassis support for motherboard size - 13.68" x 13", E-ATX
CPU support	Dual and Single Intel® and AMD processors
Expansion	7x low-profile or 4x full-height + 3x low-profile (UIO) 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	36x (24 front + 12 rear) 3.5" hot-swap HDD bays for server chassis 45x (24 front + 21 rear) 3.5" hot-swap HDD bays for JBOD chassis
Cooling System	7x 8cm hot-swap cooling fans, redundant cooling
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	Redundant (1+1) 1400W Gold Level (93%+) power supply with PMBus function
Dimensions	W x H x D: 17.2" (434mm) x 7" (178mm) x 27.5" (699mm)
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. 13.68" x 13")			Drive	Cooling System	Power Supply	+5V$_{SB}$	+12V	Gross Weight
	X8	X7	PD						
SC847A-R1400B *Coming Soon!*	●	●	◖	36x (24 front + 12 rear) 3.5" hot-swap HDD bays for server chassis	7x 8cm hot-swap redundant cooling	1400W Gold Level (1+1) redundant power supply with PMBus	4	83/100	80 lbs
SC847E1/E2-R1400B *Coming Soon!*	●	●	◖	36x (24 front + 12 rear) 3.5" hot-swap SAS/SATA w/SESII (Single/Dual expander w/ IPASS connectors	7x 8cm hot-swap redundant cooling	1400W Gold Level (1+1) redundant power supply with PMBus	4	75	75 lbs
SC847E16/E26-R1400B *Coming Soon!*	●	●	◖	36x (24 front + 12 rear) 3.5" hot-swap SAS/SATA w/SESII (Single/Dual expander w/ IPASS connectors	7x 8cm hot-swap redundant cooling	1400W Gold Level (1+1) redundant power supply with PMBus	4	75	75 lbs

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

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

80 PLUS GOLD

SC846A-R1200B

SC846A-R1200B

SC846A-R1200B

26" D

17.2" W
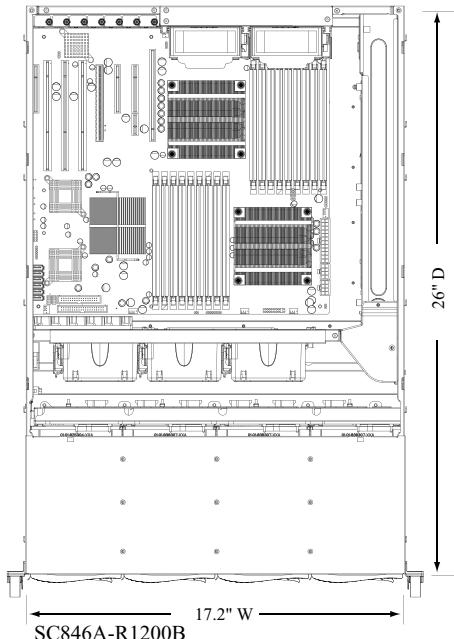
Features

■ 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 motherboard size - 13.68"x13" E-ATX and 12"x10" 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 SC846E1/E2-R900: 24x 3.5" hot-swap SAS drive bays with SES2 (Single/Dual expanders w/ IPASS connectors) SC846E16/E26-R900: 24x 3.5" hot-swap SAS2 drive bays with SES2 (Single/Dual expander w/ IPASS connectors)
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 (93%+) / 900W redundant power supply w/I²C 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

| Model	MB (Max. 13.68" x 13")			Drive	Cooling System	Power Supply	+5Vsв	+12V	Gross Weight
	X8	X7	PD						
SC846A-R1200B	●	●	◗	24 SAS/SATA w/SES2	5x 5000rpm fans	1200W Gold-Level redundant w/I²C	4	83/100	80 lbs
SC846TQ-R900B	●	●	◗	24 SAS/SATA w/SES2	5x 5000rpm fans	900W redundant w/I²C	4	75	75 lbs
SC846E1/E2-R900B	●	●	◗	24 SAS w/SES2 (Single/Dual expanders w/ IPASS connectors)	5x 5000rpm fans	900W redundant w/I²C	4	75	75 lbs
SC846E16/E26-R1200B	●	●	◗	24 SAS2 w/SES2 (Single/Dual expander w/ IPASS connector)	5x 5000rpm fans	1200W Gold-Level redundant w/I²C	4	75	75 lbs
SC846E1-R1200B	●	●	◗	24 SAS w/SES2 (Single expander w/ IPASS connector)	5x 5000rpm fans	1200W Gold-Level redundant w/I²C	4	75	75 lbs

Coming Soon!

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

28.4" D

17.8" W
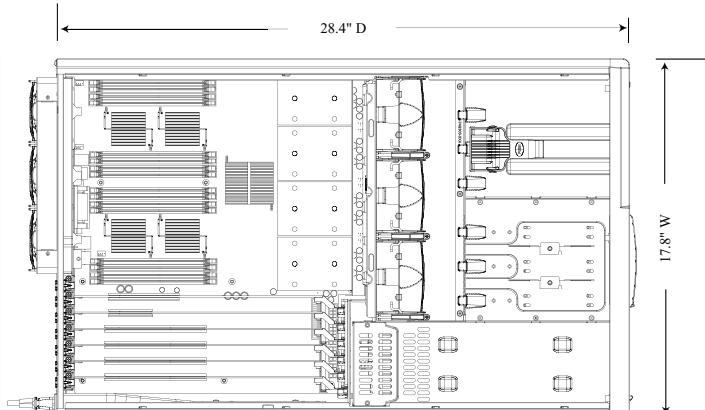
SC748TQ-R1000B

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 28.4" (721mm) 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 X7	Quad MB X6	Drive	Power Supply	+5V$_{SB}$	+12V	Gross Weight
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/TG   *4U/Tower Rack Chassis with 11x PCI-E Expansion Slots*

SC747TQ/TG

SC747TQ-R1400

Up to 11 PCI-E Full-Height/Full-Length Expansion Slots,
or 4 Double-Width GPUs + 2 FH/FL & 1 FH/HL I/O Cards

SC747TQ-R1400   SC747TG-R1400-SQ
FCC Class B
Certification Power Supply

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, 3.5" device bay
- ✔ 11x(TQ) or 9x(TG) full-height, full-length PCI-E expansion slots, support 4x double-width GPUs + 2 FH/FL & 1 FH/HL I/O cards
- ✔ Super-quiet workstation solution, 38dB & up (TG)

Specifications

Form Factor	4U tower/rackmount chassis supports motherboards: 15.2"x13.2"; E-ATX & ATX (SC747TQ); 13.68"x13.2"; E-ATX & ATX (SC747TG)
CPU support	Dual and single Intel® Xeon® and AMD Opteron™ processors
Expansion	SC747TQ: 11x full-height, full-length expansion slots; SC747TG: 9x 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 (93%+) 1400W redundant (1+1) power supply with Power Management (PMBus) support
Cooling System	SC747TQ: 4x 92mm hot-swap fans and 2x 80mm hot-swap exhaust PWM fan SC747TG: 2x 92mm hot-swap fans and 2x 80mm rear 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: 17.8" (452mm) x 7" (178mm) x 26.5" (673mm) Packing: 26.6"W x 17.4"H x 38.6"D
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	Motherboard supported	Drive Bays	Cooling System	Power Supply	+5VSB	+12V	Gross Weight
SC747TQ-R1400	15.2" x 13.2", E-ATX & ATX	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
SC747TG-R1400-SQ	13.68" x 13.2", E-ATX & ATX	8x 3.5" Hot-swap SAS / SATA	3x 92mm hot-swap fans and 1x 80mm hot-swap exhaust fan	Gold-Level high-efficiency 1400W redundant (1+1) w/ PMBus FCC Class B Certification	4	66	62 lbs

Optional Kit	Model Part #	Description
Rails	MCP-290-00059-0B	4U ball bearing quick release rail kit (includes side handles)
Cable	CBL-0153L	Adapter 6PM power cable from 2x 4PM connector

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

100% cooling redundancy

SC745TQ-R1200B

SC745TQ-R1200B

25.5" D

17.2" H
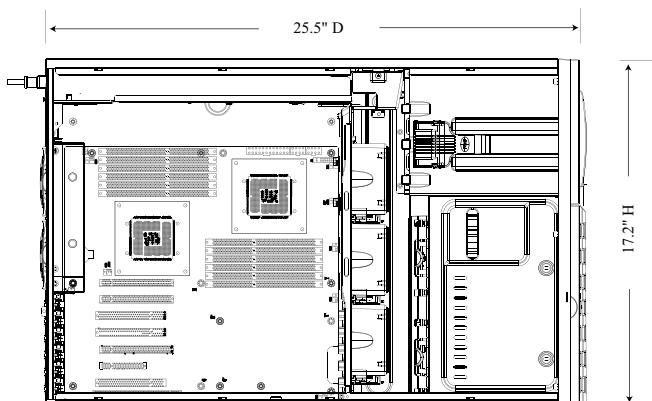
SC745TQ-R800B

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-R1200B	●	●	●	●	◐	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
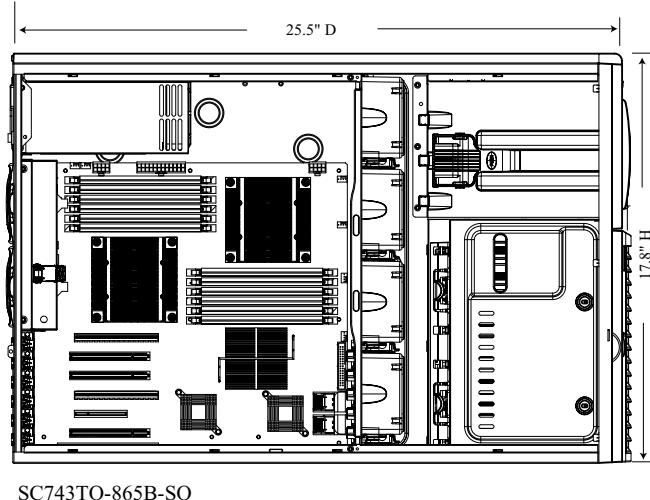
Features

■ Black   ■ Beige

✓ 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
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

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	

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 & failure LED • Fan failure LED & Alarm	• Overheat LED & alarm • Fan failure LED & alarm • Drive activity LED & failure LED	• Overheat LED & alarm • Drive activity LED
Dimensions	5.8"W x 3.4"H x 8.7"H (146mm x 85mm x 220mm)	5.8"W x 3.4"H x 8.7"H (146mm x 85mm 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**

Model Part#	CSE-M35S	CSE-M35T-1/CSE-M35TQ	CSE-M34T
Occupancy	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 SAS/SATA hard drives
Expander Card	N/A	N/A	N/A
Cooling Subsystem	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 • Drive activity LED
Dimensions	5.8"W x 5"H x 9.7"H (146mm x 129mm x 245mm)	5.8"W x 5"H x 9.7"H (146mm x 129mm x 245mm)	5.8"W x 5"H x 9.7"H (146mm x 129mm x 245mm)
Gross Weight	7.5 lbs	7.5 lbs	6.8 lbs

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
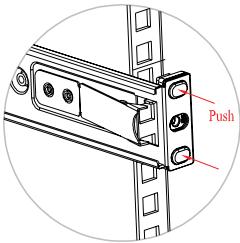
Model Part#	MCP-290-00054-0N	MCP-290-00052-0N-BULK
Product	Optional rail set	Optional outer rail bulk pack
Content	Quick-release inner rail + quick-release outer rail	Quick-release outer rail (10 set/pack)
Chassis Type	1U, 17.2" width	1U, 17.2" width
Mechanism	Linear, for square hole racks	Linear, for 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, 847, 848	Optional for SC213, 216, 823M, 825, 825M, 826, 827, 828, 835, 836, 936, 747, 846, 847, 848

14U Mini Rack Cabinet

✓ **Small/Medium Business IT**

✓ **Scientific and Engineering R&D**

✓ **Professional Audio and Video Production**

- Dimension: 21.65"W x 34.65D x 30.64"H
- Capacity: 14U
- Package Dimension: 24.5" x 37.8" x 36.7"
- Gross Weight: 155 lbs

Detachable Front Door

Hexagonal Air Intakes

Gauge Label Indicator

Lock

Cable Egress (rear)

Rack Casters w/ Brake

Adjustable Supporting Stands

CSE-RACK14U

Rack Grounding Wire
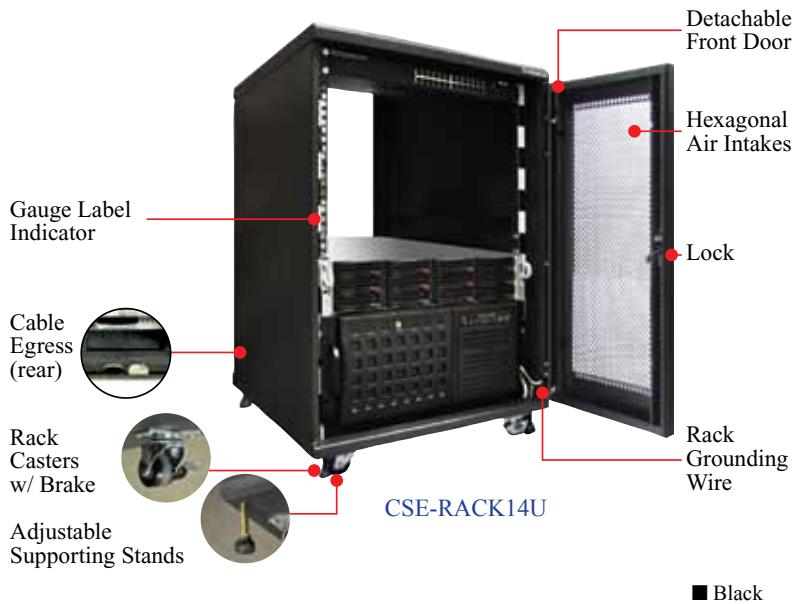
■ Black

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

Optional Parts:

Parts #	Descriptions
MCP-670-00001-0N	14U rack front door filter
MCP-670-00002-0N	14U rack cable management kit / PDU bracket
MCP-670-00004-0N	14U rack rear door

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* *UIO*

Model	AOC-UINF-m2	AOC-UIBQ-m1	AOC-UTG-i2	AOC-UG-i4
Description	UIO Low-profile dual-port InfiniBand 20Gb Card	UIO Low-profile single-port InfiniBand 40Gb Card	UIO full-height dual-port 10GbE card*	UIO full-height quad-port 1GbE card*
Interface	PCI-E x8 2.0 (5GT/s)	PCI-E x8 2.0 (5GT/s)	PCI-E x8	PCI-E x8
Port	2 CX4 ports	1 QSFP port	2 CX4 ports	4 RJ45 ports
Speed	20 Gigabit/port	40 Gigabits/second per port	10 Gigabit/port	1 Gigabit/port
Controller	Mellanox® ConnectX DDR	Mellanox® ConnectX QDR	Intel® 82598EB	2x Intel® 82571EB
Compatible Motherboards	X8DTU-F, X8DTN+, H8DMU, H8SMU, X7DWU, X7DWN+, X7DWA-N, X7DCU, X7DBU, X7DBN, X7DWE, X7DAL-E, X7DAL-E+, X7DBU, PDSMU			
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, 6015W-Hi, 6015C-NT, 6015A-NT, 6015B-U(R), 6015B-NT, 5015B-UB, 5015B-NTB, 5015M-U(R), 5015M-NT(R), 6025W-NTR+, 6025W-URB, 6025C-URB, 7045W-NTR+, 7045A-WT			

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 (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 (Require RSC-R1UU-E8PR)	All servers with PCI-E low-profile or full-height expansion slot

* Standard form factor is available as bundled solution with Supermicro server and motherboards.

Layer 3 Ethernet Switch Family

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

These Layer 3 Ethernet Switches offer 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.   They are 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
	   - 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 43mm (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 45°C	

Heatsinks

1U Passive CPU Heatsinks for DP and MP Motherboards

1U Passive CPU Heatsinks for UP Motherboards

X8 DP

New! X8 UP

X8 UP

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

Part Number	SNK-P0046P	SNK-P0016	SNK-P0016P	SNK-P0036
Form Factor	1U, Passive	1U, Passive	1U, Passive	1U, Passive
CPU Type	Intel® Xeon® 3400 Series	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 1156	LGA 775	LGA 775	LGA 1366
Material	Aluminum Base, Aluminum Fins, Heat Pipe	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	3.74"L x 3.74"W x 1.06"H	3.54"L x 3.54"W x 1.06"H
Mounting Method	Screw + Spring + Back Plate	Screw + Spring + Back Plate	Screw + Spring + Back Plate	Screw + Spring + Back Plate

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

X8 DP

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

Active CPU Heatsinks for DP Motherboards

Active CPU Heatsinks for UP Motherboards

X8 DP

New! X8 UP

X8 UP

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

Part Number	SNK-P0046A4	SNK-P0015A4	SNK-P0032A4	SNK-P0035AP4	SNK-P0036A4
Form Factor	2U(+), Active	2U(+), Active	1U, Active	4U(+), Active	2U(+), Active
CPU Type	Intel® Xeon® 3400 Series	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 1156	LGA 775	LGA 775	LGA 775 / 1366	LGA 1366
Material	Copper Base, Aluminum Fins, Bracket	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 2.68"H	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	Push-in Pin	Screw + Spring + Back Plate	Screw + Spring + Back Plate	Screw + Spring + Back Plate
Fan Location	Top	Top	Top	Side	Top

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.

6Gb/s *6Gb/s* *6Gb/s*

Model	AOC-USAS2-L8i	AOC-USAS2-L8E	AOC-USAS2LP-H8iR*	AOC-USAS-L8i
Type	UIO	UIO	UIO	UIO
Controller/IOP	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, Low Profile	8 ports, 3Gb/s per port 8 Internal
RAID	RAID 0,1,10, 1E	IT mode / HBA	RAID 0, 1, 5, 6, 10, 50, 60	IT/HBA Mode
Onboard Cache	-	-	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.

IPMI *(Server Remote Management)*

Onboard IPMI 2.0 for X8 (-F) Motherboards

Many Supermicro X8 motherboards now offer IPMI 2.0 capabilities onboard through a dedicated LAN port to support both Virtual Media over LAN and KVM-over-LAN. This convenient remote management feature is provided through an onboard BMC (Baseboard Management Controller) that improves reliability and maintainability while reducing costs.

	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	-	-

Note: KVM-over-IP is not supported using shared connections for motherboards with 82573 or 82546 LAN chip.

SuperDoctor® III Server Management

| System Information	Health Monitoring	Performance Monitoring	Remote Control	Administration	Systems Management	Local GUI Management
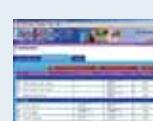
UIO Riser Cards

Model	RSC-R1UU-UAX	RSC-R1UU-E16	RSC-R1UU-UE8	RSC-R1UU-2E8	RSC-R1UU-2U	RSC-R1UU-AXE8	RSC-R1UU-UE16
Position	1U Left	1U Left	1U Left	1U Left	1U Left	1U Left	1U Left
Motherboard Fit Type	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)
Riser Card Output Type	1x UIO, 1PCI-X (133/100/66 MHz)	1x PCI-E x16	1x UIO, 1x PCI-E x8	2x PCI-E x8	2x UIO	1x PCI-X (133/100/66MHz), 1x PCI-E x8	1x UIO, 1x PCI-E x16
Motherboards	PDSMU, X7DBU, X7DGU, H8SMU, H8DMU+, X7DWU, X7DCU, X7SBU	X8DTU/-F, X7DBU, X7DGU, X7DWU, X7DCU, X7SBU, PDSMU, H8DMU+, H8SMU	X8DTU/-F, X7DBU, X7DGU, X7DWU, X7DCU, X7SBU, PDSMU, H8DMU+, H8SMU	X8DTU/-F, X7DBU, X7DGU, X7DWU, X7DCU, X7SBU, PDSMU, H8DMU+, H8SMU	X8DTU/-F, X7DBU, X7DGU, X7DWU, X7DCU, X7SBU, PDSMU, H8DMU+, H8SMU	X7DBU, X7DGU, X7DWU, X7DCU, X7SBU, PDSMU, H8DMU+, H8SMU, X8DTU/-F*	X8DTU/-F
Chassis	SC815TQ-R650U/ R450U/560U, SC812L-520U/280U	SC815TQ-R650U/450U/ 560U, SC812l-520U/ 280U	SC815TQ-R650U/450U/ 560U, SC812l-520U/ 280U	SC815TQ-R650U/450U/ 560U, SC812l-520U/ 280U	SC815TQ-R650U/450U/ 560U, SC812l-520U/ 280U	SC815TQ-R650U/450U/ 560U, SC812l-520U/ 280U	SC113TQ-700U/R650U, SC815TQ-560U/R650U, SC812L-520U/560U
Gen. 2 Support	Yes depending on the MB	Yes depending on the MB	Yes depending on the MB	Yes depending on the MB	Yes depending on the MB	Yes depending on the MB	Yes
GPU Support	No	No	No	No	No	No	No

Model	RSC-R2UU-A2XE8	RSC-R2UU-UA3E8	RSC-R2UU-UA3E8+	RSC-R2UU-UAX	RSC-R2UU-A3XE8	RSC-R2UU-2U
Position	2U Left	2U Left	2U Left	2U Left	2U Left	2U Left
Motherboard Fit Type	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)
Riser Card Output Type	1x PCI-E x8, 2x PCI-X (133/100/66MHz)	2x PCI-E x8, 3x PCI-X (133/100/66MHz)	2x PCI-E x8, 3x PCI-X (133/100/66MHz),	1x UIO, 3x PCI-X (133/100/66 MHz)	1x PCI-E x8, 3x PCI-X (133/100/66 MHz)	2x UIO
Motherboards	H8DMU+, H8SMU, X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, PDSMU	H8DMU+, H8SMU, X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, PDSMU	H8DMU+, H8SMU, X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, PDSMU, X8DTU/-F	H8DMU+, H8SMU, X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, PDSMU, X8DTU/-F	H8DMU+, H8SMU, X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, X8DTU/-F*, PDSMU	H8DMU+, H8SMU, X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, X8DTU, X8DTU-F, PDSMU
Chassis	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U
Gen. 2 Support	No	No	Yes depending on the MB	Yes depending on the MB	Yes depending on the MB	Yes depending on the MB
GPU Support	No	No	No	No	No	No

Model	RSC-R2UU-2E8	RSC-R2UU-A4E8	RSC-R2UU-A4E8+	RSC-R2UU-3E8G	RSC-R2UU-E8E16	RSC-R2UU-UE8
Position	2U Left	2U Left	2U Left	2U Left	2U Left	2U Left
Motherboard Fit Type	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)
Riser Card Output Type	2x PCI-E x8	4x PCI-E x8	4x PCI-E x8	3x PCI-E x8	1x PCI-E x16, 1x PCI-E x8	1x UIO, 1x PCI-E x8
Motherboards	PDSMU, X7DBU, X7DWU, X7DCU, X7DGU, X7SBU, H8SMU, H8DMU+	H8DMU+, H8SMU, X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, PDSMU	H8DMU+, H8SMU, X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, X8DTU/-F, PDSMU	X8DTU/-F	X8DTU/-F	H8DMU+, H8SMU, X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, PDSMU
Chassis	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U
Gen. 2 Support	No	No	Yes depending on the MB	Yes	Yes	No
GPU Support	No	No	No	No	No	No

Model	RSC-R1UU-E8R+	RSC-R1UU-XR	RSC-R1UU-E8PR**	RSC-R2UU-2E8R	RSC-R2UU-X2E4R
Position	1U Right	1U Right	1U Right	2U Right	2U Right
Motherboard Fit Type	Universal Slot (UIO)	Universal Slot (UIO)	PCI-E x8	Universal Slot (UIO)	Universal Slot (UIO)
Riser Card Output Type	1x PCI-E x4	1x PCI-X (133/100/66MHz)	1x PCI-E x8	2x PCI-E x8	2x PCI-E x4, 1x PCI-X (133/100/66MHz)
Motherboards	X7DCU, X7SBU, H8SMU and PDSMU	X7DBU, X7DGU	X8DTU/-F, X7DWU, X7DCU	X7DWU, H8DMU+	X7DGU, X7DBU
Chassis	SC815TQ-R650U/R450U/560U	SC815TQ-R650U/ R450U/ 560U, SC812l-520U/280U	SC113TQ-700U/R650U, SC815TQ-560U/R650U, SC812L-520U/560U	SC825TQ-R700U	SC825TQ-R700U
Gen. 2 Support	No	No	Yes depending on the MB	Yes depending on the MB	No
GPU Support	No	No	No	No	No

Rev. 2.0 only
**AOC-PG-i2+ suported*
***Rev. 3.2 only*

Riser Cards

Model	RSC-R1UT-E16	RSC-R1UEP-2E8	RSC-R1UEP-UE	RSC-R1UXE-HTi	RSC-R1UEP-A2X	RSC-RR1U-32L	RSC-RR1UE-AXL
Position	1U Left	1U Left	1U Left	1U Left	1U Left	1U Left	1U Left
Motherboard Fit Type	PCI-E x16	SEPC-E12 Slot	SEPC-E12 Slot	PCI-X + HT	SEPC-E12 Slot	PCI-32	PCI-E x8
Riser Card Output Type	1x PCI-E x16	2x PCI-E x8	1x PCI-E x4, 1x UIO	1x HT-HTX	2x PCI-X (133/100/66/33MHz)	1x PCI-32 (33MHz)	1x PCI-X (133/100/66/33 MHz)
Motherboards	X8DTT Series	X7DBX Series	X7DBX Series	H8DSL-Hti	X7DBX Series	PDSBM-LN2/+, X7SBL-LN1/LN2, PDSML-LN1/2/2+/E+, X7SML-L	H8QCE+/8+
Chassis	SC808T, SC809T	SC819	SC819	SC813, SC812	SC819	"SC811, SC512, SC513, SC813M"	SC818
Gen. 2 Support	Yes	No	No	No	No	No	No
GPU Support	No	No	No	No	No	No	No

Model	RSC-RR1U-EHT	RSC-RR1U-HT	CSE-RR1U-E8	CSE-RR1U-Xi	CSE-RR1U-X	CSE-RR1U-EL
Position	1U Left	1U Left	1U Left	1U Left	1U Left	1U Left
Motherboard Fit Type	PCI-E x8	PCI-E x8	PCI-E x8	Universal PCI (SXB-E) Slot	PCI-X	Universal PCI
Riser Card Output Type	1x PCI-E x8 + HT	1x PCI-E x8 + HT	1x PCI-E x8	1x PCI-X (133/100/66/33 MHz)	1x PCI-X (133/100/66/33MHz)	1x PCI-E x8
Motherboards	H8QC Seires, H8QM Series	H8QC Series, H8QM Series	X7SBL Series, X7DCL-I/3, X7SB3 Seires H8DME-2, H8QM Series, H8SMi-2, X7DWE, X8STi Series	PDSMi, PDSMi+, X7SBi	X7DVL-E, H8SSL-i/i2, PDSMi-LN4+, X7SBi-LN4	H8DCR-3, X7DBXSeires X7DVL-i
Chassis	SC818+	SC818+	SC811, SC812, SC813, SC818+	SC811F, SC512F, SC513F	SC811, SC812, SC813, SC814, SC815	SC811, SC812, SC813, SC814, SC815
Gen. 2 Support	No	No	Yes depending on MB slots	No	No	No
GPU Support	No	No	No	No	No	No

Model	CSE-RR1U-E16	CSE-RR1U-Eli	RSC-R1U-E8R	RSC-R1UG-UR	RSC-R1UG-2E8G	RSC-R1UG-E16R	RSC-R1UG-2E8GR
Position	1U Left	1U Left	1U Right	1U Right	1U left	1U Right	1U Right
Motherboard Fit Type	PCI-E x16	Universal PCI (SXB-E) Slot	PCI-E x8	PCI-E x8	Universal Slot (UIO)	Universal Slot (UIO)	Universal Slot (UIO)
Riser Card Output Type	1x PCI-E x16	1x PCI-E x8	1x PCI-E x8	1x PCI-E x8	2x PIC-E x8	1x PCI-E x16	2x PCI-E x 8
Motherboards	H8SMi-2, H8QM Series X7QCE/3, X8DTL Series, X8DTi Series***	X7SBi, PDSMi Series	X7DBT, X7DWT Series, X8DTT series, X7SBT	X8DTG Series	X8DTG Series	X8DTG Series	X8DTG Series
Chassis	SC811, SC812, SC813	SC811F, SC512F, SC513F	SC808, SC809	SC818G	SC818G	SC818G	SC818G
Gen. 2 Support	Yes depending on MB slots	No	Yes depending on the MB	Yes,	Yes	Yes	Yes,
GPU Support	No	No	No	Yes	Yes	Yes	Yes

Model	CSE-RR1U-XR	CSE-RR1U-ELP	CSE-RR1U-ER	RSC-R1U-UL	RSC-R2U-A3E8+	RSC-R2UE-A3E8	RSC-R2UT-2E8R
Position	1U Right	1U Right	1U Right	1U Right	2U Left	2U Left	2U Right
Motherboard Fit Type	PCI-X	Universal SXB-C	Universal SXB-E	PCI-E x8	PCI-E x8 Slot with SEPC	PCI-E x8 Slot with SEPC	PCI-E x16
Riser Card Output Type	1x PCI-X full-size (133/100/66/33MHz)	1x PCI-E x8 low-profile	1x PCI-E x8 low-profile	1x UIO	3x PCI-E x8	3x PCI-E x8	2x PCI-E x8
Motherboards	X7DBX-i/8/3, X7DBP-i/8, PDSMP-i/8	X7DBR-E/8/3, H8DCR-3	X7DBX-i/8, X7DBP-i/8, PDSMP-i/8, H8DSP-i	X8DTN+, X7DWN+, X8SAX X8STi Series, X7SBL Series	X7DWN+, X8DTN+, X8DTi, X8DT3	X7DBE/8, X7DWN+, X7DB8+/E+, X8DNT+, X8DT3/i Series, H8DM8-2, H8DME-2, H8DM3-2, H8DMi-2	X7DWT Series, X8DTT Series
Chassis	SC814, SC816, SC819	SC812, SC813, SC815	SC814, SC816, SC819	SC113M, SC813M, SC 815	SC825	SC825, SC826	SC827T, SC827H
Gen. 2 Support	No	No	No	No	Yes	No	Yes depending on the MB
GPU Support	No	No	No	No	No	No	No

Rev. 2.0 only
**AOC-PG-i2+ suported*
***Rev. 3.2 only*

Power Supplies

Model	PWS-865-PQ	PWS-665-PQ	PWS-465-PQ	PWS-303-PQ
Total Output Power	865W	665W	465W	300W
Input	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
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
Output Type*	24 Pin ATX Cable Output	24Pin ATX Cable Output	24 Pin ATX Cable Output	24 Pin ATX Cable Output
Redundant	N/A	N/A	N/A	N/A
I2C Remote Monitoring	SMBus	N/A	N/A	N/A
+5V	30A	30A	20A	20A
+12V	70A	54A	35A	12V1 11A 12V2 11.5A
+3.3V	30A	24A	15A	16A
5VSB	6.5A	6A	3A	2A
-12V	1A	.5A	.5A	.15A
Application	Workstation, Server, Gaming Machine, Desktop			
Efficiency	80 PLUS	80 PLUS BRONZE	80 PLUS	80 PLUS BRONZE

Model	PWS-502-PQ	PWS-401-2H	PWS-652-2H	PWS-563-1H/20
Total Output Power	500W	400W	650W	560W/600W
Input	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz
Form Factor	Standard ATX	2U	2U	1U
Dimension (L x W x H) cm	14 x 15 x 8.6	30 x 10.6 x 8.32	30 x 10.6 x 8.32	28 x 7.6 x 4
Output Type*	24Pin ATX Cable Output	24 Pin ATX Cable Output	24 Pin ATX Cable Output	20 or 24pin ATX Cable Output
Redundant	N/A	N/A	Redundant Cooling Fan	N/A
I2C Remote Monitoring	N/A	N/A	SMBus	N/A
+5V	20A	30A	30A	18A
+12V	41A (spilt in 4 rails)	32A	54A	46A (100-140Vac) 49A (180-240Vac)
+3.3V	15A	25A	25A	15A
5VSB	3A	4A	4A	3A
-12V	.5A	.5A	.5A	.5A
Application	Workstation, Server, Gaming Machine, Desktop	High Availability Server, Datacenter, Networking		
Efficiency	Bronze Level (*Certification Pending*)	80 PLUS	80 PLUS	Gold Level (*Certification Pending*)

Model	PWS-562-1H/1H20	PWS-333-1H/1H20	PWS-351-1H	PWS-721P-1R
Total Output Power	560W	330W/380W	350W	720W
Input	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz
Form Factor	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
Output Type*	20 or 24 Pin ATX Cable Output	20 or 24pin ATX Cable Output	24pin ATX Cable Output	Backplanes Available
Redundant	N/A	N/A	N/A	Yes
I²C Remote Monitoring	SMBus	N/A	N/A	PMBus
+5V	15A	18A	18A	59A
+12V	46.5A	27A (100-140Vac) 31A (180-240Vac)	29A	-
+3.3V	15A	15A	15A	-
5VSB	2A	3A	3A	3A
-12V	.5A	.5A	.5A	-
Application	High Availability Server, Datacenter, Networking			High Performance, Storage, Networking
Efficiency	80 PLUS SILVER	Gold Level (*Certification Pending*)	80 PLUS GOLD	80 PLUS GOLD

Model	PWS-1K21P-1R	PWS-1K41P-1R	PWS-1K41F-1R	PWS-1K41P-SQ
Total Output Power	1000W/1200W	1100W/1400W	1200W/1400W	1100W/1400W
Input	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz	100-240Vac / 50-60hz
Form Factor	1U	1U	1U	1U
Dimension (L x W x H) cm	36 x 7.6 x 4	36 x 7.6 x 4	28.5 x 10.5 x 4	36 x 7.6 x 4
Output Type*	Backplanes Available	Backplanes Available	Backplanes Available	Backplanes Available
Redundant	Yes	Yes	Yes	Yes
I²C Remote Monitoring	SMBus and PMBus	SMBus and PMBus	SMBus and PMBus	SMBus and PMbus
+5V	-	-	-	-
+12V	83A(100-140Vac) 100A(180-240Vac)	92A (100-140Vac) 116A (180-240Vac)	100A (100-140Vac) 116A (180-240Vac)	92A (100-140Vac) 116A (180-240Vac)
+3.3V	-	-	-	-
5VSB	4A	4A	4A	4A
-12V	-	-	-	-
Application	High Performance, Storage, Networking			
Efficiency	80 PLUS GOLD	80 PLUS GOLD	80 PLUS GOLD	Gold Level (*Certification Pending*)

* Consult website for all cable output connectors.

Front Bezels

1U Rackmount Front Bezel	Compatible Chassis	Image
MCP-210-00009-01	SC814, SC816 series *Please contact tech support for LCD programming instruction package*	
MCP-210-00009-02		
MCP-210-00007-01	SC813, SC813M, SC815 series *Please contact tech support for LCD programming instruction package*	
MCP-210-00007-02		
MCP-210-00007-0V		
CSE-PTFB-813L	SC813, SC813M, SC815, SC818 series *Does not support SC818G series*	
CSE-PTFB-813LB		
CSE-PTFB-813-02	SC813, SC813M, SC815, SC818 series *Does not support SC818G series*	
CSE-PTFB-813-02B		
CSE-PTFB-812	SC812 series *Does not support SC812L series*	
CSE-PTFB-812B		
CSE-PTFB-814-01	SC814, SC816, SC819 series	
CSE-PTFB-814-02		
CSE-PTFB-814-01B		
CSE-PTFB-814-02B		
MCP-210-00028-01	SC512, SC512L, SC512F-260 series *Does not support SC512F-280/520 series*	
MCP-210-00028-02		
MCP-210-00005-01	SC512, SC512L, SC512F-260 series *Does not support SC512F-280/520 series*	
MCP-210-00005-02		
MCP-210-00033-01(OEM)	SC512, SC512L, SC512F-260 series *Does not support SC512F-280/520 series*	
MCP-210-00033-02(OEM)		
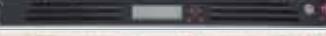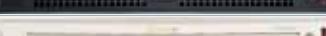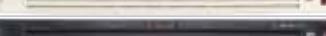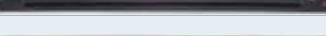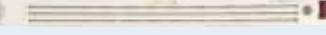
2U Rackmount Front Bezel	Compatible Chassis	Image
CSE-PTFB-820	SC822, SC823 series	
CSE-PTFB-820B		
MCP-210-82503-0B	SC825, SC828 series	
MCP-210-82502-0B	SC825M series	
MCP-210-82601-0B	SC213, SC216, SC826 series SC827 series (Rev. A5 or later)	
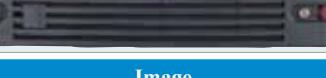
3U Rackmount Front Bezel	Compatible Chassis	Image
MCP-210-83501-0B	SC835 series	
MCP-210-83601-0B	SC836 series	

4U Rackmount Front Bezel	Compatible Chassis	Image
MCP-210-84601-0B	SC846, SC848 series	

With advanced in-house server building block designs 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.

The Most Extensive Server Building Block Product Line in the Industry
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.

Intel® Xeon® Processor 5500/3500 and 3400 Series Solutions
Supermicro's industry-leading line of Intel® Xeon® processor 5500/3500 series and 3400 series based Building Block Solutions® feature the latest Intel® components and technologies. These multi-core based solutions are loaded with features and engineered to perform with minimal power.

6Gb/s SAS (SAS 2.0): Advanced Storage Technology
Supermicro's 6Gb/s SAS (SAS 2.0) products provide superior performance, advanced scalability, better compatibility, and a zero price premium when compared to previous generation SAS solutions. The second-generation 6Gb/s SAS link speed doubles the data transfer rate to 6.0 Gbps and is backward compatible with 3Gb/s SAS (SAS1).

Onboard IPMI 2.0
Many Supermicro X8 motherboards now offer IPMI 2.0 capabilities onboard through a dedicated LAN port to support both Virtual Media over LAN and KVM-over-LAN. This convenient remote management feature is provided through an onboard BMC (Baseboard Management Controller) that improves reliability and maintainability while reducing costs.

Hybrid CPU + GPU Supercomputing Systems
With supercomputer-level performance scaling to 2 teraflops in 1U and 4 teraflops in 4U, these hybrid CPU + GPU supercomputing solutions are ideal for scientific computing, CAD/CAM, oil and gas exploration, medical imaging, and other computationally-intensive applications.

Advanced Power Saving Components
Supermicro's motherboards utilize high-end components such as high-efficiency VRMs optimized to reduce energy consumption. These energy-efficient designs make Supermicro an industry leader in performance-per-watt and per-dollar.

93%+ Peak Power Supply efficiency Designed for Power Savings & Environmental Protection
Supermicro has mastered the power supply design challenge to produce high-quality, high-performance solutions with peak efficiency ratings of 93% and higher. This makes Supermicro systems the leading green standard for server chassis solutions.

100% Redundant Cooling Systems
With patented 100% redundant cooling designs, Supermicro systems can run continuously at their full potential, even when a fan failure occurs. With expertly engineered high-performance fans and unique air shrouds, Supermicro offers dramatically reduced downtime due to thermal issues.

Supermicro is RoHS Compliant
Supermicro is proud to rally a migration to earth-friendly server products that contain minimal amounts of hazardous substances. With the RoHS Directive changing the electronics industry worldwide, Supermicro produces environmentally safe products that meet or exceed RoHS requirements.

Windows 7 and Windows Server 2008 R2
Supermicro endorses the use of Windows 7 and Windows Server 2008 R2, the most recent released publicly available versions of Microsoft Windows, for its motherboard products. Please contact Supermicro for the very latest compatible and logo certified products.

The Industry's Broadest Selection of Optimized Server Systems
Supermicro's server systems are carefully designed with our Server Building Block Solutions® to provide the ultimate in performance, efficiency and improved TCO. With the industry's broadest variety of advanced technology server systems, Supermicro has the best solution for every IT need.