

SUPERMICR[®]

The Server Solutions Manufacturer

64-bit Xeon



SUPERMICR[®] Server Building Block Solutions[®]

Your Best Server/Workstation Partner

Serverboard • Chassis • Power supply • Thermal Management

Building Block Solutions[®] June 2005



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MODEL	X6DH8-G2/ X6DHE-G2	X6DH3-G2	X6DHT-G	X6DH8-XG2/ X6DHE-XG2	X6DH8-XB/ X6DHE-XB
Processor	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz
Chipset/ System Bus	Intel E7520 800MHz	Intel E7520 800MHz	Intel E7520 800MHz	Intel E7520 800MHz	Intel E7520 800MHz
Form Factor	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"
Optimized Chassis	X6DH8-G2 4U/Tower: SC743S1-R760/650 3U: SC833S-R760/550 SC933S-R760/SC933S1-R760 2U: SC823S-R500RC/R500LP/550LP X6DHE-G2 4U/Tower: SC743i-R760/650 2U: SC823i-R500RC/550LP	2U: SC823T-R500RC/R500LP SC823T-550LP 3U: SC833T-R760, SC833T-550 4U/Tower: SC743T-R760 SC743T-650	2U: SC823T-R500LP SC823T-550LP 3U: SC833T-R760, SC833T-550 4U/Tower: SC743T-R760 SC743T-650	X6DH8-XG2 4U/Tower: SC743S1-R760/650 3U: SC833S-R760/550 SC933S1-R760, SC933S2-R760 2U: SC823S-R500LP/550LP X6DHE-XG2 4U/Tower: SC743i-R760/650 2U: SC823i-550LP	X6DH8-XB 4U/Tower: SC743S1-650 SC743S1-R760 2U: SC823S-550LP/R500LP X6DHE-XB 4U/Tower: SC743i-R760/650 2U: SC823i-550LP
Memory Capacity & Slots	16 GB ECC Reg. DDRII 400 SDRAM in 8 DIMMs	16 GB ECC Reg. DDRII 400 SDRAM in 8 DIMMs	16/32 GB ECC Reg. DDR 333/266 SDRAM in 8 DIMMs	16 GB ECC Reg. DDRII 400 SDRAM in 8 DIMMs	16/32 GB ECC Reg. DDR333/266 SDRAM in 8 DIMMs
Expansion Slots	2 PCI Express x8 1 PCI Express x4 1 PCI-X 133MHz 2 PCI-X 100MHz	2 PCI Express x8 1 PCI-X 133MHz 2 PCI-X 100MHz 1 PCI	2 PCI Express x8 1 PCI-X 133MHz 2 PCI-X 100MHz 1 PCI	1 PCI Express x8 (using x16 slot) 3 PCI-X 133MHz 2 PCI-X 100MHz	1 PCI Express x4 (using x8 slot) 2 PCI-X 133MHz 4 PCI-X 100MHz
Onboard SCSI/ SATA/SATA RAID	Adaptec 7902W dual-channel Ultra 320SCSI w/host RAID (X6DH8-G2 only) Intel ICH5R for 2 SATA RAID 0, 1	Adaptec controller supports 8 SATA/SAS; RAID 0, 1 Intel 6300ESB for 2 SATA RAID 0, 1	Marvell controller supports 8 SATA; RAID 0, 1 Intel 6300ESB for 2 SATA RAID 0, 1	Adaptec 7902W dual-channel Ultra 320SCSI w/host RAID (X6DH8-XG2 only) Intel ICH5R for 2 SATA RAID 0, 1	Adaptec 7902W dual-channel Ultra 320SCSI w/host RAID (X6DH8-XB only) Intel ICH5R for 2 SATA RAID 0, 1
ZCR card support	AOC-LPZCR1 or Adaptec SCSI RAID 2010S (X6DH8-G2 only)	N/A	AOC-LPZCR1 or Adaptec SATA RAID 2020SA	AOC-LPZCR1 or Adaptec SCSI RAID 2010S (X6DH8-XG2 only)	AOC-LPZCR1 or Adaptec SCSI RAID 2010S (X6DHE-XB only)
Onboard LAN	Dual LAN w/Intel 82546GB Gigabit Ethernet controller	Dual LAN w/Intel 82541GI Gigabit Ethernet controller	Dual LAN w/Intel 82541GI Gigabit Ethernet controller	Dual LAN w/Intel 82546GB Gigabit Ethernet controller	Dual LAN w/Broadcom 5721 PCI Express Gigabit Ethernet
Onboard VGA	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller
Built-in EIDE/ USB ports	ATA100/ Up to 5 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 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/EPP parallel port PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port 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 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, +3.3V standby and 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, +5V standby and 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, +5V standby and 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, +3.3V standby and 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +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 indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication	4-pin PWM & 3-pin fan speed control & overheat LED indication
Other Features	ACPI/APM 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/APM 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/APM 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/APM 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/APM 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

Optimized Chassis Highlights



SUPER® SC743S1-R760/650

- 8 hot-swap SCA bays
- Triple redundant 760W power w/I²C mgt. (R760 only)
- 6 Hot-swap fans for 100% cooling redundancy
- Tool-less PCI & rotatable drive bay module
- 4U x 25.5"/Tower



SUPER® SC823T-R500RC

- 6 hot-swap SATA bays
- Redundant 500W power w/I²C mgt.
- 4 high-performance hot-swap fans
- 3 full-size PCI expansion slots
- 2U x 25.5"



SUPER® SC942S-600

- 10 hot-swap SCA bays (SAF-TE compliant)
- Triple redundant 600W power supply
- Optimized for either rack or tower
- 4U x 23.8"/Tower



SUPER® SC833S-R760

- 8 hot-swap SCA bays (SAF-TE compliant)
- Triple redundant 760W power w/I²C mgt.
- 6 Hot-swap fans for 100% cooling redundancy
- Air-shroud for optimal cooling
- 3U x 25.5"



SUPER® SC933S2-R760

- 14 hot-swap SCA bays (SAF-TE compliant)
- Triple redundant 760W power w/I²C mgt.
- 6 Hot-swap fans for 100% cooling redundancy
- Air-shroud for optimal cooling
- 3U x 25.5"



SUPER® SC742T-550

- 7 hot-swap SATA bays
- 550W redundant cooling power supply
- Hot-swap cooling fans
- 4U x 24.2"/Tower

Key Features & Accessories

MB Chassis	X6DH8-G2/XG2/G/XB	X6DHT-G/G2	X6DHE-G2/XG2/G/XB	Fan Setting
SC743-R760	SC743S1-R760 - High-performance & 100% cooling redundancy • 8 hot-swap SCA drive bays • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	SC743T-R760 - High-performance & 100% cooling redundancy • 8 hot-swap SATA drive bays • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	SC743i-R760 - High-performance & 100% cooling redundancy • 2 fixed drive cartridges (up to 8 HDD) • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	3-pin Server
SC743-650	SC743S1-650 - Cost-effective & 100% cooling redundancy • 8 hot-swap SCA drive bays • 650W redundant cooling power supply • Passive heatsink: SNK-P0010*	SC743T-650 - Cost-effective & 100% cooling redundancy • 8 hot-swap SATA drive bays • 650W redundant cooling power supply • Passive heatsink: SNK-P0010*	SC743i-650 - Cost-effective & 100% cooling redundancy • 2 fixed drive cartridges (up to 8 HDD) • 650W redundant cooling power supply • Passive heatsink: SNK-P0010*	3-pin Server
SC833-R760	SC833S-R760 - High-performance & 100% cooling redundancy • 8 hot-swap SCA drive bays • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	SC833T-R760 - High-performance & 100% cooling redundancy • 8 hot-swap SATA drive bays • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	N/A	3-pin Server
SC833-550	SC833S-550 - Cost-effective & 100% cooling redundancy • 8 hot-swap SCA drive bays • 550W power supply • Passive heatsink: SNK-P0010*	SC833T-550 - Cost-effective & 100% cooling redundancy • 8 hot-swap SATA drive bays • 550W power supply • Passive heatsink: SNK-P0010*	N/A	3-pin Server
SC933-R760	SC933S2-R760 - High-performance & 100% cooling redundancy • 14 hot-swap SCA drive bays for dual-channel SCSI • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	SC933T-R760 - High-performance & 100% cooling redundancy • 15 hot-swap SATA drive bays • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	N/A	3-pin Server
SC823-R500 (Riser Card)	SC823S-R500RC - High-performance & power redundancy (X6DH8-G2 only) • 6 hot-swap SCA drive bays • Redundant 500W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010* • 2U active riser card: CSE-RR2UE-AX*	N/A	SC823i-R500RC - High-performance & power redundancy (X6DHE-G2 only) • 2 fixed drive cartridges (up to 6 HDD) • Redundant 500W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010* • 2U active riser card: CSE-RR2UE-AX*	3-pin Server
SC823-R500 (Low profile)	SC823S-R500LP - High-performance & power redundancy • 6 hot-swap SCA drive bays • Redundant 500W power supply with I ² C for remote mgt. • 7 low-profile expansion slots • Passive heatsink: SNK-P0010*	SC823T-R500LP - High-performance & power redundancy • 6 hot-swap SATA drive bays • Redundant 500W power supply with I ² C for remote mgt. • 7 low-profile expansion slots • Passive heatsink: SNK-P0010*	SC823i-R500LP - High-performance & power redundancy • 2 fixed drive cartridge (up to 6 HDD) • Redundant 500W power supply with I ² C for remote mgt. • 7 low-profile expansion slots • Passive heatsink: SNK-P0010*	3-pin Server
SC823-550 (Low Profile)	SC823S-550LP - Cost-effective • 6 hot-swap SCA drive bays • 7 low-profile expansion slots • 550W power supply • Passive heatsink: SNK-P0010*	SC823T-550LP - Cost-effective • 6 hot-swap SATA drive bays • 7 low-profile expansion slots • 550W power supply • Passive heatsink: SNK-P0010*	SC823i-550LP - Cost-effective • 2 fixed drive cartridges (up to 6 HDD) • 7 low-profile expansion slots • 550W power supply • Passive heatsink: SNK-P0010*	3-pin Server
SC942-600	SC942S-600 - High-performance & power redundancy • 10 hot-swap SCA drive bays • Triple redundant 600W power supply • Active heatsink: SNK-P0008A*	N/A	SC942i-600 - High-performance & power redundancy • 3 fixed drive cartridges (up to 15 HDD) • Triple redundant 600W power supply • Active heatsink: SNK-P0008A*	3-pin Server
SC742-600/500	SC742S-600/500 - Cost-effective & power redundancy • 7 hot-swap SCA drive bays • Triple redundant 600W/500W power supply • Active heatsink: SNK-P0008A*	N/A	SC742i-600 - Cost-effective & power redundancy • 2 fixed drive cartridges (up to 7 HDD) • Triple redundant 500W power supply • Active heatsink: SNK-P0008A*	3-pin Server
SC742-420/650	SC742S-420 - Cost-effective • 7 hot-swap SCA drive bays • 420W redundant cooling power supply • Active heatsink: SNK-P0008A*	SC742T-650 - Cost-effective • 7 hot-swap SATA drive bays • 550W redundant cooling power supply • Active heatsink: SNK-P0008A*	SC742i-420 - Cost-effective • 2 fixed drive cartridges (up to 7 HDD) • 420W redundant cooling power supply • Active heatsink: SNK-P0008A*	3-pin Server

Note: Optional Rail Kit CSE-PT26(B) and Floppy Drive are available for SC743, SC742 and SC942 series chassis

* Sold separately



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MODEL	X6DHR-8G2/ X6DHR-iG2	X6DHR-TG2	X6DHR-TG	X6DHR-8G/iG	X6DHR-X8G/ X6DHR-XiG
Processor	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz
Chipset/ System Bus	Intel E7520 800MHz	Intel E7520 800MHz	Intel E7520 800MHz	Intel E7520 800MHz	Intel E7520 800MHz
Form Factor	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"
Optimized Chassis	X6DHR-8G2 IU: SC813S-500/SC812S-420 X6DHR-iG2 IU: SC812i-420/SC812L-420	IU: SC813T-500	IU: SC813T-500	X6DHR-8G IU: SC813S-500, SC812S-420 X6DHR-iG IU: SC812i-420, SC812L-420	X6DHR-X8G IU: SC813S-500, SC812S-420 X6DHR-XiG IU: SC812i-420, SC812L-420
Memory Capacity & Slots	16 GB ECC Reg. DDRII 400 SDRAM in 8 DIMMs	16 GB ECC Reg. DDRII 400 SDRAM in 8 DIMMs	16/32 GB ECC Reg. DDR333/266 SDRAM in 8 DIMMs	16/32 GB ECC Reg. DDR333/266 SDRAM in 8 DIMMs	16/32 GB ECC Reg. DDR333/266 SDRAM in 8 DIMMs
Expansion Slots	1 Universal PCI-X 133MHz/ 1 PCI Express x8 1 Universal PCI-X 100MHz/ 1 PCI Express x8	1 Universal PCI-X 133MHz/ 1 PCI Express x8 1 Universal PCI-X 100MHz/ 1 PCI Express x8	1 Universal PCI-X 133MHz/ 1 PCI Express x8 1 Universal PCI-X 100MHz/ 1 PCI Express x8	1 Universal PCI-X 133MHz/ 1 PCI Express x8 1 Universal PCI-X 133MHz/ 1 PCI Express x4	2 PCI-X 133MHz
Onboard SCSI/ SATA/SATA RAID	Adaptec 7902W dual-channel Ultra 320SCSI w/host RAID (X6DHR-8G2 only) Intel ICH5R for 2 SATA RAID 0, 1	Marvell controller for 4 SATA RAID 0, 1 Intel ICH5R for 2 SATA RAID 0, 1	Marvell controller for 4 SATA RAID 0, 1 Intel ICH5R for 2 SATA RAID 0, 1	Adaptec 7902W dual-channel Ultra 320SCSI w/host RAID (X6DHR-8G only) Intel ICH5R for 2 SATA RAID 0, 1	Adaptec 7902W dual-channel Ultra 320SCSI w/host RAID (X6DHR-X8G only) Intel ICH5R for 2 SATA RAID 0, 1
ZCR card support	AOC-SOZCR1 or Adaptec SCSI RAID 2015S (X6DHR-8G2)	AOC-SOZCR1 or Adaptec SATA RAID 2025SA	AOC-SOZCR1 or Adaptec SATA RAID 2025SA	AOC-SOZCR1 or Adaptec SCSI RAID 2015S (X6DHR-8G)	AOC-SOZCR1 or Adaptec SCSI RAID 2015S (X6DHR-X8G)
Onboard LAN	Dual LAN w/Intel 82546GB Gigabit Ethernet	Dual LAN w/Intel 82546GB Gigabit Ethernet	Dual LAN w/Intel 82546GB Gigabit Ethernet	Dual LAN w/Intel 82546GB Gigabit Ethernet	Dual LAN w/Intel 82546GB Gigabit Ethernet
Onboard VGA	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller
Built-in EIDE/ USB ports	ATA100/ Up to 4USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 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 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, & +5V standby and 5-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, & +5V standby and 5-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, & +5V standby and 5-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, & +5V standby and 5-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, & +5V standby and 5-fan status, supports system management utility, chassis intrusion header
Thermal Control	3-pin fan speed control & overheat LED indication	3-pin fan speed control & overheat LED indication	3-pin fan speed control & overheat LED indication	3-pin fan speed control & overheat LED indication	3-pin fan speed control & overheat LED indication
Other Features	ACPI/APM 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/APM 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/APM 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/APM 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/APM 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

Optimized Chassis Highlights



SUPER SC813S-500

- 4 hot-swap SCA bays
- 500W cold swap power supply w/I²C mgt.
- 2 PCI-X/Express slots
- 1 slim CD & 1 slim floppy drive
- 1U x 25.6"



SUPER SC812S-420

- 3 hot-swap SCA bays
- 420W power supply
- 2 PCI-X/Express slots
- Front side USB & COM ports
- 1U x 25.6"



SUPER SC812L-420

- 3 internal drive bays
- 420W power supply
- 2 PCI-X/Express slots
- Optimized for clustering
- 1U x 25.6"

Key Features & Accessories

MB Chassis	X6DHR-8G2/8G	X6DHR-TG2/TG	X6DHR-iG2/iG	Fan Setting
SC813-500	SC813S-500 - High performance & PCI-X/PCI-Express <ul style="list-style-type: none"> • 4 hot-swap SCA drive bays • 500W cold-swap power supply with I²C mgt. • 1U Passive heatsink: SNK-P0009* • 1U riser cards*: <ul style="list-style-type: none"> PCI-X: CSE-RR1U-X PCI-X low profile: CSE-RR1U-XLP PCI-Express: CSE-RR1U-EL PCI-Express low profile: CSE-RR1U-ELP 	SC813T-500 - High performance & PCI-X/PCI-Express <ul style="list-style-type: none"> • 4 hot-swap SATA drive bays • 500W cold-swap power supply with I²C mgt. • 1U Passive heatsink: SNK-P0009* • 1U riser cards*: <ul style="list-style-type: none"> PCI-X: CSE-RR1U-X PCI-X low profile: CSE-RR1U-XLP PCI-Express: CSE-RR1U-EL PCI-Express low profile: CSE-RR1U-ELP 	N/A	3-pin Server
SC812-420	SC812S-420 - Cost-effective & PCI-X/PCI-Express <ul style="list-style-type: none"> • 3 hot-swap SCA drive bays • 420W power supply • Optional slim CDROM & slim floppy • 1U Passive heatsink: SNK-P0009* • 1U riser cards*: <ul style="list-style-type: none"> PCI-X: CSE-RR1U-X PCI-X low profile: CSE-RR1U-XLP PCI-Express: CSE-RR1U-EL PCI-Express low profile: CSE-RR1U-ELP 	N/A	SC812i-420 - Cost-effective & PCI-X/PCI-Express <ul style="list-style-type: none"> • 3 fixed drive bays • 420W power supply • Optional slim CDROM & slim floppy • 1U Passive heatsink SNK-P0009* • 1U riser cards*: <ul style="list-style-type: none"> PCI-X: CSE-RR1U-X PCI-X low profile: CSE-RR1U-XLP PCI-Express: CSE-RR1U-EL PCI-Express low profile: CSE-RR1U-ELP 	3-pin Server
SC812L-420	SC812L-420 - Cost-effective & PCI-X/PCI-Express <ul style="list-style-type: none"> • 3 internal drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U riser cards*: <ul style="list-style-type: none"> PCI-X: CSE-RR1U-X PCI-X low profile: CSE-RR1U-XLP PCI-Express: CSE-RR1U-EL PCI-Express low profile: CSE-RR1U-ELP 	N/A	SC812L-420 - Cost-effective & PCI-X/PCI-Express <ul style="list-style-type: none"> • 3 internal drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U riser cards*: <ul style="list-style-type: none"> PCI-X: CSE-RR1U-X PCI-X low profile: CSE-RR1U-XLP PCI-Express: CSE-RR1U-EL PCI-Express low profile: CSE-RR1U-ELP 	3-pin Server

* Sold Separately

Riser Card Configurations for X6 Series Motherboards (800FSB Xeon)

1U Riser Cards:

Left Slot

PCI-X

CSE-RR1U-X
Fit: PCI-X
Output: PCI-X
(SC812, SC813, SC814)

PCI-Express

CSE-RR1U-EL
Fit: Universal PCI slot
Output: PCI-Express
(SC812, SC813, SC814)

PCI-Express

CSE-RR1U-E16
Fit: PCI-Express x16
Output: PCI-Express x16
(SC812, SC813)

Right Slot (butterfly design)

CSE-RR1U-XLP
Fit: PCI-X
Output: PCI-X Low-profile
(SC812, SC813)

CSE-RR1U-ELP
Fit: Universal PCI slot
Output: PCI-Express low-profile
(SC812, SC813)

CSE-RR1U-XR
Fit: PCI-X
Output: PCI-X Full-height Full-length
(SC814)

CSE-RR1U-ER
Fit: Universal PCI slot
Output: PCI-Express
(SC814)

2U Riser Cards:

CSE-RR2U-X
2U Passive Riser
Fit: PCI-X
Output: 2 slot PCI-X

CSE-RR2UE-AX
2U Active Riser
Fit: PCI-Express x8 with SEPC
Output: 3 slot PCI-X



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Onboard Infiniband



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MODEL	X6DVL-INF	X6DVL-EG2	X6DVA-4G/ X6DVA-EG	X6DVL-EG	X6DVL-G
Processor	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz
Chipset/ System Bus	Intel E7320 800MHz	Intel E7320 800MHz	Intel E7320 800MHz	Intel E7320 800MHz	Intel E7320 800MHz
Form Factor	ATX 12" x 10"	ATX 12" x 10"	ATX 12" x 10"	ATX 12" x 10"	ATX 12" x 10"
Optimized Chassis	IU: SC813MT-420C SC811T-420 SC513L-420	IU: SC811i-420, SC811T-420, SC513L-420 Mid tower: SC733i-450 4U/Tower: SC742i-420	X6DVA-4G IU: SC813MS-420C, SC811S-420 X6DVA-EG IU: SC811i-420, SC811T-420, SC513L-420 Mid tower: SC733i-450 4U/Tower: SC742i-420	Mid tower: SC733i-450 4U/Tower: SC743i-645	Mid tower: SC733i-450 4U/Tower: SC743i-645
Memory Capacity & Slots	16 GB ECC Reg. DDRII 400 SDRAM in 8 DIMMs	8 GB ECC Reg. DDRII 400 SDRAM in 4 DIMMs	12/24 GB ECC Reg. DDR333/266 SDRAM in 6 DIMMs	8/16 GB ECC Reg. DDR333/266 SDRAM in 4 DIMMs	8/16 GB ECC Reg. DDR333/266 SDRAM in 4 DIMMs
Expansion Slots	1 PCI 66MHz	2 PCI Express x4 (using x8 slot) 1 PCI 66MHz 3 PCI	1 PCI Express x4 1 PCI-X 133MHz 1 PCI-X 100MHz 1 PCI	1 PCI Express x8 (using x16 slot) 2 PCI-X 66MHz 2 PCI	1 PCI Express x8 (using x16 slot) 2 PCI-X 66MHz 3 PCI
Onboard SCSI/ SATA/SATA RAID ZCR card support	Intel 6300ESB for 2 SATA RAID 0, 1	Intel 6300ESB for 2 SATA RAID 0, 1	LSI Ultra320 SCSI w/mirroring (X6DVA-4G only) Intel 6300ESB for 2 SATA RAID 0, 1	Intel 6300ESB for 2 SATA RAID 0, 1	Intel 6300ESB for 2 SATA RAID 0, 1
Onboard LAN	Dual Intel 82541GI Gigabit Ethernet	Dual Intel 82541GI Gigabit Ethernet	Dual Intel 82541GI Gigabit Ethernet	Intel 82541GI Gigabit Ethernet	Intel 82541GI Gigabit Ethernet
Onboard VGA	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller	ATI Rage XL 8MB PCI graphics controller	N/A
Built-in EIDE/ USB ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard con 1 dual-port x4 Infiniband with 1 Memory DIMM slot	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn.
Manageability	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	Watch Dog, Super Doctor III	Watch Dog, Super Doctor III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM fan speed control & overheat LED indication	4-pin PWM fan speed control & overheat LED indication
Other Features	ACPI/APM 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/APM 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/APM 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/APM power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM & CPU thermal trip support for processor protection	ACPI/APM power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM & CPU thermal trip support for processor protection
BIOS	AMI 8 Mb Flash ROM	AMI 8 Mb Flash ROM	AMI 8 Mb Flash ROM	AMI 8 Mb Flash ROM	AMI 8 Mb Flash ROM

Optimized Chassis Highlights



SUPER SC743S1-650

- 8 hot-swap SCA bays
- 650W redundant cooling power
- 6 hot-swap fans for 100% cooling redundancy
- Tool-less PCI & rotatable drive bay module
- 4U x 25.5"/Tower



SUPER SC742i-420

- 7 fixed & 4 5.25" drive bays
- 420W redundant cooling fan
- Hot-swap cooling fans
- 4U x 23.8"/Tower



SUPER SC733T-645

- 4 hot-swap SATA bays
- 645W w/low-noise cooling fan
- Maximum cost-effectiveness
- Mid tower: 7" x 16.8" x 20.9"



SUPER SC513L-420

- 2 x 2.5" fixed drives bays
- 420W power supply
- 3 x 4cm counter-rotating fans
- Front I/O access
- 1U x 14"



SUPER SC813MT-420C

- 4 hot-swap SATA bays
- 420W power supply
- High performance 4cm fans
- Shortened chassis for shallow racks
- 1U x 19.8"



SUPER SC811S-420

- 2 hot-swap SCA bays
- 420W power supply
- 2 10cm blower fans
- 1U x 22.6" cost-effective solution

Key Features & Accessories

MB	X6DVA-4G/4G2	X6DVA-TG	X6DVA-EG/G/EG2 & X6DVL-EG/G	Fan Setting
SC743-650	SC743S1-650 - Cost-effective & 100% cooling redundancy • 8 hot-swap SCA drive bays • 650W redundant cooling power supply • Passive heatsink: SNK-P0010* • 3-pin fan power extension cable: CBL-0064*	SC743T-650 - Cost-effective & 100% cooling redundancy • 8 hot-swap SATA drive bays • 650W redundant cooling power supply • Passive heatsink: SNK-P0010* • 3-pin fan power extension cable: CBL-0064*	SC743i-650 - Cost-effective & 100% cooling redundancy • 2 fixed drive cartridges (up to 8 HDD) • 650W redundant cooling power supply • Passive heatsink: SNK-P0010* • 3-pin fan power extension cable: CBL-0064*	3-pin Server
SC742-650	N/A	SC742T-650 - Cost-effective • 7 hot-swap SATA drive bays • 550W redundant cooling power supply • Active heatsink: SNK-P0008A*	N/A	3-pin Server
SC742-420	SC742S-420 - Cost-effective • 7 hot-swap SCA drive bays • 420W redundant cooling power supply • Active heatsink: SNK-P0008A*	N/A	SC742i-420 - Cost-effective • 2 fixed drive cartridges (up to 7 HDD) • 420W redundant cooling power supply • Active heatsink: SNK-P0008A*	3-pin Server
SC733-645	N/A	SC733T-645 - Cost-effective & low-noise • 4 hot-swap SATA drive bays • 645W low-noise power supply • Active heatsink: SNK-P0008A4*	SC733i-645 - Cost-effective & low-noise • 4 fixed drive bays • 645W low-noise power supply • Active heatsink: SNK-P0008A4*	4-pin Server
SC813M-420	SC813MS-420C - High-performance 1U short-depth • 4 hot-swap SCA drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-X riser card: CSE-RR1U-X*	SC813MT-420C - High-performance 1U short-depth • 4 hot-swap SATA drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-X riser card: CSE-RR1U-X*	N/A	3-pin Server
SC811-420	SC811S-420 - Cost-Effective 1U • 2 hot-swap SCA drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-X riser card: CSE-RR1U-X*	SC811T-420 - Cost-effective 1U • 2 hot-swap SATA drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-X riser card: CSE-RR1U-X*	SC811i-420 - Cost-effective 1U • 2 fixed drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-X riser card: CSE-RR1U-X* (for X6DVA-EG/G/EG2) • 1U PCI-E riser card: CSE-RR1U-E16* (for X6DVL-EG/G)	3-pin Server
SC513L-420	SC513L-420 - Cost-Effective Mini 1U • 2 x 2.5" fixed drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-X riser card: CSE-RR1U-X	SC513L-420 - Cost-Effective Mini 1U • 2 x 2.5" fixed drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-X riser card: CSE-RR1U-X	SC513L-420 - Cost-Effective Mini 1U • 2 x 2.5" fixed drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-X riser card: CSE-RR1U-X (for X6DVA-EG/G/EG2) • 1U PCI-X riser card: CSE-RR1U-E16 (for X6DVL-EG/G)	3-pin Server

Note: Optional Rail Kit CSE-PT26(B) and Floppy Drive are available for SC743, SC742 and SC942 series chassis

* Sold separately

Heatsink/Chassis Configuration for X6 Series Motherboards (800FSB Xeon)

SNK-P0008A

Active heatsink for 3U and above



SC942i-R760
SC942S/R-600
SC742S-600
SC742S-500
SC742S-420
SC742i-450
SC743i-525

SNK-P0008A4

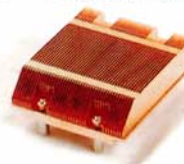
4-wire Active heatsink for 3U and above



SC733T-645
SC733i-645
SC733T-450
SC733i-450

SNK-P0009

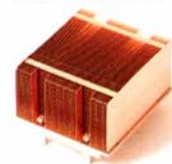
Passive heatsink for 1U



SC813S-500
SC812S/i-420
SC812L-420
SC811S/T/i-420
SC813MS-420
SC813MT-420

SNK-P0010

Passive heatsink for 2U and above



SC823S/i-R500RC
SC823S/i-550LP
SC833S/T-R760
SC833S/T-550
SC933S2/T-R760
SC743S/T/i-R760
SC743S/T/i-650
SC743S/i-645



NEW!



MODEL	X6DA8-G2	X6DAE-G2	X6DA8-G	X6DAE-G	X6DAT-G/ X6DAi-G
Processor	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz
Chipset/ System Bus	Intel E7525 800MHz	Intel E7525 800MHz	Intel E7525 800MHz	Intel E7525 800MHz	Intel E7525 800MHz
Form Factor	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"	Ext. ATX 12" x 13.05"
Optimized Chassis	Tower/4U: SC743S1-645/650 SC743S1-R760 3U: SC833S-R760/550 SC933S1-R760 SC933S2-R760 2U: SC823S-R500LP/550LP	Tower/4U: SC743i-645/650 SC743i-R760 SC742i-600 2U: SC823i-550LP	Tower/4U: SC743S1-645/650 SC743S1-R760 3U: SC833S-R760/550 SC933S1-R760 SC933S2-R760 2U: SC823S-R500LP/550LP	Tower/4U: SC743i-645/650 SC743i-R760 SC742i-600 2U: SC823i-550LP	X6DAT-G: Tower/4U: SC743T-R760/650 SC743T-645 3U: SC833T-R760/550 2U: SC823T-R500LP/550LP X6DAi-G Tower/4U: SC743i-R760/650/645 Mid tower: SC823i-550LP
Memory Capacity & Slots	16 GB ECC Reg. DDRII 400 SDRAM in 8 DIMMs	16 GB ECC Reg. DDRII 400 SDRAM in 8 DIMMs	16/32 GB ECC Reg. DDR333/266 SDRAM in 8 DIMMs	16/32 GB ECC Reg. DDR333/266 SDRAM in 8 DIMMs	16/32 GB ECC Reg. DDR333/266 SDRAM in 8 DIMMs
Expansion Slots	1 PCI Express x16 1 PCI Express x4 (using x16 slot) 1 PCI-X 133MHz 2 PCI-X 100MHz 1 PCI 33MHz	1 PCI Express x16 1 PCI Express x4 (using x16 slot) 1 PCI-X 133MHz 2 PCI-X 100MHz 1 PCI 33MHz	1 PCI Express x16 1 PCI Express x4 (using x16 slot) 1 PCI-X 133MHz 2 PCI-X 100MHz 1 PCI 33MHz	1 PCI Express x16 1 PCI Express x4 (using x16 slot) 1 PCI-X 133MHz 2 PCI-X 100MHz 1 PCI 33MHz	1 PCI Express x16 1 PCI Express x8 (using x16 slot) 2 PCI-X 66MHz 2 PCI 33MHz
Onboard SCSI/ SATA/SATA RAID	Adaptec 7902W dual channel Ultra 320SCSI w/host RAID Intel ICH5R for 2 SATA RAID 0, 1	Intel ICH5R for 2 SATA RAID 0, 1	Adaptec 7902W dual channel Ultra 320SCSI w/host RAID Intel ICH5R for 2 SATA RAID 0, 1	Intel ICH5R for 2 SATA RAID 0, 1	Marvell controller for 8 SATA RAID 0, 1 (X6DAT-G only) Intel 6300ESB for 2 SATA RAID 0, 1
ZCR card support	AOC-LPZCR1 or Adaptec SCSI RAID 2010S	N/A	AOC-LPZCR1 or Adaptec SCSI RAID 2010S	N/A	AOC-LPZCR1 or Adaptec SATA RAID 2020SA (X6DAT-G)
Onboard LAN	Dual LAN w/Intel 82546GB Gigabit Ethernet	Dual LAN w/Intel 82546GB Gigabit Ethernet	Intel 82545GM Gigabit Ethernet	Intel 82545GM Gigabit Ethernet	Intel 82541GI Gigabit Ethernet
Onboard VGA	N/A	N/A	N/A	N/A	N/A
Built-in EIDE/ USB ports	ATA100/ Up to 8 USB 2.0 ports	ATA100/ Up to 8 USB 2.0 ports	ATA100/ Up to 8 USB 2.0 ports	ATA100/ Up to 8 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound
Manageability	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	IPMI 2.0 socket, Watch Dog, Super Doctor III	Watch Dog, Super Doctor III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 8-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 8-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	4-pin PWM or 3-pin fan speed control & overheat LED indication
Other Features	ACPI/APM 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/APM 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/APM 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/APM 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/APM 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

*2 OEM only

Optimized Chassis Highlights



SUPER SC743S1-645

- 8 hot-swap SCA bays
- 90-degree rotatable drive bay module
- 645W low-noise power supply
- Hot-swap redundant PWM cooling fans
- 4U x 25.5"/Tower



SUPER SC743S1-R760/650

- 8 hot-swap SCA bays
- Triple redundant 760W power w/I²C mgt. (R760 only)
- 6 Hot-swap fans for 100% cooling redundancy
- Tool-less PCI & rotatable drive bay module
- 4U x 25.5"/Tower



SUPER SC942i-R760/550

- Flexible for SCA/SATA via mobile rack
- Triple redundant 760W power w/I²C mgt. (R760 only)
- Fan speed control
- 4U x 23.8"/Tower



SUPER SC733T-645

- 4 hot-swap SATA bays
- 645W low-noise power supply
- 4-wire Pulse Width Modulated (PWM) fans
- Mid tower: 7" x 16.8" x 20.9"



SUPER SC742i-600/S-600

- 7 fixed/7 dual-channel (3+4) hot-swap SCA (SAT-TE compliant) & 4 x 5.25" drive bays
- 600W triple redundant power
- Hot-swap cooling fans
- 4U x 23.8"/Tower



SUPER SC833S-R760

- 8 hot-swap SCA bays (SAF-TE compliant)
- Triple redundant 760W power w/ I²C mgt.
- 6 Hot-swap fans for 100% cooling redundancy
- Air-shroud for better cooling
- 3U x 25.5"

Key Features & Accessories

MB Chassis	X6DA8-G2/G	X6DAT-G2/G	X6DAE-G2/G & X6DAI-G	Fan Setting
SC743-645	SC743S1-645 - Cost-effective & extreme low-noise • 8 hot-swap SCA drive bays • 645W low-noise power supply • Passive heatsink: SNK-P00010*	SC743T-645 - Cost-effective & extreme low-noise • 8 hot-swap SATA drive bays • 645W low-noise power supply • Passive heatsink: SNK-P00010*	SC743i-645 - Cost-effective & extreme low-noise • 2 fixed drive cartridges (up to 8 HDD) • 645W low-noise power supply • Passive heatsink: SNK-P0010*	4-pin SuperQuiet/ 4-pin Quiet Workstation
SC743-R760	SC743S1-R760 - High-performance & 100% cooling redundancy • 8 hot-swap SCA drive bays • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	SC743T-R760 - High-performance & 100% cooling redundancy • 8 hot-swap SATA drive bays • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	SC743i-R760 - High-performance & 100% cooling redundancy • 2 fixed drive cartridges (up to 8 HDD) • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	3-pin Server/ Workstation
SC743-650	SC743S1-650 - Cost-effective & 100% cooling redundancy • 8 hot-swap SCA drive bays • 650W redundant cooling power supply • Passive heatsink: SNK-P0010*	SC743T-650 - Cost-effective & 100% cooling redundancy • 8 hot-swap SATA drive bays • 650W redundant cooling power supply • Passive heatsink: SNK-P0010*	SC743i-650 - Cost-effective & 100% cooling redundancy • 2 fixed drive cartridges (up to 8 HDD) • 650W redundant cooling power supply • Passive heatsink: SNK-P0010*	3-pin Server/ Workstation
SC942-R760	SC942i-R760 - High-performance & flexible HD mobile racks • 5 hot-swap SCA drive bays (optional: CSE-M35S) • Triple redundant 760W power supply with I ² C for remote mgt. • Active heatsink: SNK-P0008A* • SCSI cable: CBL-0043*	SC942i-R760 - High-performance & flexible HD mobile racks • 5 hot-swap SATA drive bays (optional CSE-M35T) • Triple redundant 760W power supply with I ² C for remote mgt. • Active heatsink: SNK-P0008A*	SC942i-R760 - High-performance & flexible HD mobile racks • 9 5.25" drive bays flexible for IDE/SATA devices • Triple redundant 760W power supply with I ² C for remote mgt. • Active heatsink: SNK-P0008A*	3-pin Server/ Workstation
SC733-645	N/A	SC733T-645 - Cost-effective & low-noise • 4 hot-swap SATA drive bays • 645W low-noise power supply • Active heatsink: SNK-P0008A4*	SC733i-645 - Cost-effective & low-noise • 4 fixed drive bays • 645W low-noise power supply • Active heatsink: SNK-P0008A4*	4-pin Quiet Workstation
SC733-450	N/A	SC733T-450 - Cost-effective & low-noise • 4 hot-swap SATA drive bays • 450W redundant cooling low-noise power supply • Active heatsink: SNK-P0008A4*	SC733i-450 - Cost-effective & low-noise • 4 fixed drive bays • 450W redundant cooling low-noise power supply • Active heatsink: SNK-P0008A4*	4-pin Quiet Workstation
SC742-600	SC742S-600 - Power redundancy • 7 hot-swap SCA drive bays • Triple redundant 600W power supply • Active heatsink: SNK-P0008A*	N/A	SC742i-600 - Power redundancy • 2 fixed drive cartridges (up to 7 HDD) • Triple redundant 600W power supply • Active heatsink: SNK-P0008A*	3-pin Server
SC742-650/450	N/A	SC742T-650 - Cost-effective • 7 hot-swap SATA drive bays • 550W redundant cooling power supply • Active heatsink: SNK-P0008A*	SC742i-450 - Cost-effective & low-noise • 2 fixed drive cartridges (up to 7 HDD) • 450W redundant cooling low-noise power supply • Active heatsink: SNK-P0008A*	3-pin Workstation
SC833S-R760	SC833S-R760 - High-performance & 100% cooling redundancy • 8 hot-swap SCA drive bays • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	SC833T-R760 - High-performance & 100% cooling redundancy • 8 hot-swap SATA drive bays • Triple redundant 760W power supply with I ² C for remote mgt. • Passive heatsink: SNK-P0010*	N/A	3-pin Server/ Workstation
SC833S-550	SC833S-550 - Cost-effective & 100% cooling redundancy • 8 hot-swap SCA drive bays • 550W power supply • Passive heatsink: SNK-P0010*	SC833T-550 - Cost-effective & 100% cooling redundancy • 8 hot-swap SATA drive bays • 550W power supply • Passive heatsink: SNK-P0010*	N/A	3-pin Server/ Workstation

Note: Optional Rail Kit CSE-PT26(B) and Floppy Drive are available for SC743, SC742 and SC942 series chassis

* Sold separately



NEW!



NEW!



MODEL	X6DAL-TB2	X6DAL-B2	X6DAL-TG	X6DAL-G	X6DAL-XTG/ X6DAL-XG
Processor	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz	Dual 64-bit Xeon up to 3.60GHz
Chipset/ System Bus	Intel E7525 800MHz	Intel E7525 800MHz	Intel E7525 800MHz	Intel E7525 800MHz	Intel E7525 800MHz
Form Factor	ATX 12" x 10"	ATX 12" x 10"	ATX 12" x 10"	ATX 12" x 10"	ATX 12" x 10"
Optimized Chassis	Mid tower: SC733T-450 SC733T-645	Mid tower: SC733i-450 SC733i-645	Mid tower: SC733T-450 SC733T-645	Mid tower: SC733i-450 SC733i-645	X6DAL-XTG Mid tower: SC733T-450/645 X6DAL-XG Mid tower: SC733i-450/645
Memory Capacity & Slots	12 GB ECC Reg. DDRII 400 SDRAM in 6 DIMMs	12 GB ECC Reg. DDRII 400 SDRAM in 6 DIMMs	12/24 GB ECC Reg. DDR333/266 SDRAM in 6 DIMMs	12/24 GB ECC Reg. DDR333/266 SDRAM in 6 DIMMs	12/24 GB ECC Reg. DDR333/266 SDRAM in 6 DIMMs
Expansion Slots	1 PCI Express x16 2 PCI-X 66MHz 2 PCI 33MHz	1 PCI Express x16 2 PCI-X 66MHz 2 PCI 33MHz	1 PCI Express x16 1 PCI Express x8 2 PCI-X 66MHz 2 PCI 33MHz	1 PCI Express x16 1 PCI Express x8 2 PCI-X 66MHz 2 PCI 33MHz	1 PCI Express x16 2 PCI-X 66MHz 2 PCI 33MHz
Onboard SCSI/ SATA/SATA RAID	Marvell controller for 4 SATA RAID 0, 1 Intel 6300ESB SATA controller for 2 SATA; RAID 0, 1	Intel 6300ESB SATA controller for 2 SATA RAID 0, 1	Marvell controller for 4 SATA RAID 0, 1 Intel 6300ESB SATA controller for 2 SATA; RAID 0, 1 Adaptec SATA RAID 2020SA	Intel 6300ESB SATA controller for 2 SATA RAID 0, 1	Marvell controller for 4 SATA RAID 0, 1 (X6DAL-XTG) Intel 6300ESB SATA controller for 2 SATA; RAID 0, 1 Adaptec SATA RAID 2020SA (X6DAL-XTG)
ZCR card support	AOC-LPZCR1 or Adaptec SATA RAID 2020SA				
Onboard LAN	Dual LAN w/Broadcom 5721 PCI Express Gigabit Ethernet	Dual LAN w/Broadcom 5721 PCI Express Gigabit Ethernet	Intel 82541GI Gigabit Ethernet	Intel 82541GI Gigabit Ethernet	Intel 82541GI Gigabit Ethernet
Onboard VGA	N/A	N/A	N/A	N/A	N/A
Built-in EIDE/ USB ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports	ATA100/ Up to 4 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header PS/2 mouse and keyboard conn. AC'97 audio CODEC high quality 6-channel sound
Manageability	Watch Dog, Super Doctor III	Watch Dog, Super Doctor III	Watch Dog, Super Doctor III	Watch Dog, Super Doctor III	Watch Dog, Super Doctor III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, ±12V, +5V standby and 6-fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication	4-pin PWM or 3-pin fan speed control & overheat LED indication
Other Features	ACPI/APM 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/APM 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/APM 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/APM 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/APM 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	AMI 8 Mb Flash ROM	AMI 8 Mb Flash ROM	AMI 8 Mb Flash ROM	AMI 8 Mb Flash ROM	AMI 8 Mb Flash ROM

*2 OEM only

Optimized Chassis Highlights



SUPER SC733T-645

- 4 hot-swap SATA bays
- 645W low-noise power supply
- 4-wire Pulse Width Modulated (PWM) fans
- Mid tower: 7" x 16.8" x 20.9"



SUPER SC743T-645

- 8 hot-swap SATA bays
- 90-degree rotatable drive bay module
- 645W low-noise power supply
- Hot-swap redundant PWM cooling fans
- 4U x 25"/Tower



SUPER SC742i-450

- 7 fixed & 4 x 5.25" drive bays
- 450W redundant cooling low-noise power
- Hot-swap cooling fans
- 4U x 23.8"/Tower



SUPER SC813S-500

- 4 hot-swap SCA bays
- 500W cold swap power supply w/I²C mgt.
- 2 PCI-X/Express slots
- 1 slim CD & 1 slim floppy drive
- 1U x 25.6"

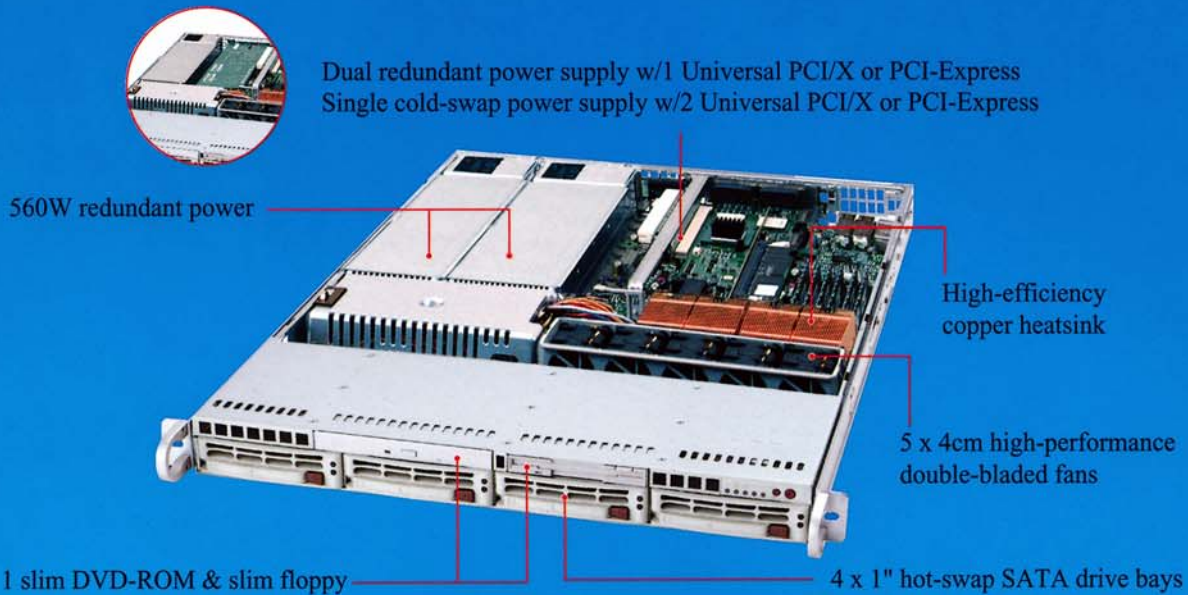
Key Features & Accessories

MB Chassis	X6DAL-XTG/TG/TB2	X6DAL-G/B2/XG	X6DAR-8G/iG	Fan Setting
SC733-645	SC733T-645 - Cost-effective & extreme low-noise <ul style="list-style-type: none"> • 4 hot-swap SATA drive bays • 645W low-noise power supply • Active heatsink: SNK-P0008A4* 	SC733i-645 - Cost-effective & extreme low-noise <ul style="list-style-type: none"> • 4 fixed drive bays • 645W low-noise power supply • Active heatsink: SNK-P0008A4* 	N/A	4-pin SuperQuiet/ 4-pin Quiet Workstation
SC733-450	SC733T-450 - Cost-effective & low-noise <ul style="list-style-type: none"> • 4 hot-swap SATA drive bays • 450W redundant cooling low-noise power supply • Active heatsink: SNK-P0008A4* 	SC733i-450 - Cost-effective & low-noise <ul style="list-style-type: none"> • 4 fixed drive bays • 450W redundant cooling low-noise power supply • Active heatsink: SNK-P0008A4* 	N/A	4-pin Quiet Workstation
SC743-645	SC743T-645 - Cost-effective & low-noise <ul style="list-style-type: none"> • 8 hot-swap SATA drive bays • 645W low-noise power supply • Passive heatsink: SNK-P0010* • Fan power cable CBL-0088* 	SC743i-645 - Cost-effective & low-noise <ul style="list-style-type: none"> • 2 fixed drive cartridges (Up to 8 HDD) • 645W low-noise power supply • Passive heatsink: SNK-P0010* • Fan power cable CBL-0088* 	N/A	4-pin Quiet Workstation
SC742-450	N/A	SC742i-450 - Cost-effective & low-noise <ul style="list-style-type: none"> • 2 fixed drive cartridges (Up to 7 HDD) • 450W redundant cooling low-noise power supply • Active heatsink: SNK-P0008A* 	N/A	3-pin Workstation
SC811-420	SC811T-420 - Cost-effective & 1U <ul style="list-style-type: none"> • 2 hot-swap SATA drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-Express x16 riser card CSE-RR1U-E16* 	SC811i-420 - Cost-effective & 1U <ul style="list-style-type: none"> • 2 fixed drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U PCI-Express x16 riser card CSE-RR1U-E16* 	N/A	3-pin Server/ Workstation
SC813-500	N/A	N/A	SC813S-500 - High performance & PCI-X/PCI-Express <ul style="list-style-type: none"> • 4 hot-swap SCA drive bays • 500W cold-swap power supply with I²C mgt. • 1U Passive heatsink: SNK-P0009* • 1U riser cards*: PCI-X: CSE-RR1U-X PCI-X low profile: CSE-RR1U-XLP PCI-Express: CSE-RR1U-EL PCI-Express low profile: CSE-RR1U-ELP 	3-pin Server
SC812-420	N/A	N/A	SC812S/i-420 - Cost-effective & PCI-X/PCI-Express <ul style="list-style-type: none"> • 3 hot-swap SCA drive bays / 3 fixed drive bays • Front side USB ports & COM port • 420W power supply • Optional slim CDROM & slim floppy • 1U Passive heatsink: SNK-P0009* • 1U riser cards*: PCI-X: CSE-RR1U-X PCI-X low profile: CSE-RR1U-XLP PCI-Express: CSE-RR1U-EL PCI-Express low profile: CSE-RR1U-ELP 	3-pin Server
SC812L-420	N/A	N/A	SC812L-420 - Cost-effective & PCI-X/PCI-Express <ul style="list-style-type: none"> • 3 internal drive bays • 420W power supply • 1U Passive heatsink: SNK-P0009* • 1U riser cards*: PCI-X: CSE-RR1U-X PCI-X low profile: CSE-RR1U-XLP PCI-Express: CSE-RR1U-EL PCI-Express low profile: CSE-RR1U-ELP 	3-pin Server

Note: Optional Rail Kit CSE-PT26(B) and Floppy Drive are available for SC743, SC742 and SC942 series chassis

* Sold separately

1U 560W Redundant power supply



4U Rackmount/Tower perfectly convertible

100% cooling redundancy
with noise control

760W triple-redundant
power supply w/I²C
for remote management

Tool-less PCI/PCI-X/
PCI-Express expansion slots

4 x 8cm high-performance fans

8 x 1" hot-swap SCA/SATA drive bays

Washable air filter blocks dust particles

90° rotatable module
includes 2 USB ports
& 3 x 5.25" drive bays



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