

SuperServer 6015B-8V / 6015B-8B

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Integrated Board



Super X7DBR-8

Available Colors: Black Silver

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Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs

SYS-6015B-8V ■ SuperServer 6015B-8V (Silver)

SYS-6015B-8B ■ SuperServer 6015B-8B (Black)

Motherboard

Super X7DBR-8

Processor/Cache

CPU

- Dual 771-pin LGA Sockets
- Supports up to two **Intel® 64-bit Xeon®** processor(s) of the same type below:
 - **Quad-Core Intel® Xeon® Processor 5400/5300 sequence (Harpertown /Clovertown processor)** up to 3.16 GHz
 - **Dual-Core Intel® Xeon® Processor 5200/5100/5000 sequence (Wolfdale /Woodcrest/Dempsey processor)** up to 3.40 GHz

System Bus ■ 1333 / 1066 / 667 MHz system bus

Operating System Software ■ Supports 64-bit Operating Systems
 ■ Supports 32-bit Operating Systems

System Memory

Memory Capacity

- Eight 240-pin DIMM sockets
- Supports up to 32 GB 667 / 533MHz DDR2 ECC FB-DIMM memory
- Dual branch memory bus
- Memory must be populated in pairs

Memory Type

- 667 / 533MHz FB-DIMM (Fully Buffered DIMM) ECC DDR2 SDRAM 72-bit, 240-pin gold-plated DIMMs

DIMM Sizes ■ 512 MB, 1GB, 2GB, 4GB

Memory Voltage ■ 1.8V only
 ■ 1.5V(AMB)

Error Detection

- Corrects single-bit errors
- Detects double-bit errors (using ECC memory)
- Supports Intel® x4 and x8 Single Device Data Correction (SDDC)

On-Board Devices

Chipset

- Intel® 5000P (Blackford) chipset
- MCH + ESB2

SCSI

- Adaptec AIC-7902 Controller
- Dual-Channel Ultra320 SCSI (Host RAID only supports 4 drives)

Chassis

Form Factor ■ 1U Rackmount

Model ■ [SC815S-560V\(B\)](#)

Dimensions

Height ■ 1.7" (43mm)

Width ■ 17.2" (437mm)

Depth ■ 25.6" (650mm)

Gross Weight ■ 40 lbs (18.1kg)

Available Colors ■ Silver, Black

Front Panel

Buttons ■ Power On/Off button
 ■ System Reset button

LEDs ■ Power LED
 ■ Hard drive activity LED
 ■ 2x Network activity LEDs
 ■ System Overheat LED

Expansion Slots

Left Universal Slot ■ 1 64-bit 100MHz PCI-X OR
 ■ 1 (x8) PCI-e Slot
 ■ Supports Full-height, Full-length Add-on Cards

Right Universal Slot ■ 1 64-bit 100MHz PCI-X OR
 ■ 1 (x8) PCI-e Slot
 ■ Supports Low-profile Add-on Cards

Drive Bays

Hot-swap ■ 4x 3.5" Hot-swap U320 SCSI drive bays

Peripheral Drives

DVD-ROM ■ Slim 8x DVD, 24x CD, DVD-ROM drive

SCSI Backplane

1U SCSI Backplane w/ SAF-TE

System Cooling

Fans ■ 4x Cooling Fans

Shroud ■ 1x Air Shroud

Power Supply

560W AC power supply w/ PFC (20-pin)

AC Voltage ■ 100 - 240V, 50 - 60Hz, 8.5 - 4Amp

+5V ■ 25 Amp

+5V standby ■ 3 Amp

+12V ■ 43.6 Amp

-12V ■ 0.6 Amp

	<ul style="list-style-type: none">■ 1 Internal Channel, 1 External Channel■ Host RAID 0, 1, & 10 support
RAID	<ul style="list-style-type: none">■ Support for Zero-Channel RAID■ Optional: (Card not included)■ RAID 0, 1, 5, 10
IPMI	<ul style="list-style-type: none">■ Support for Intelligent Platform Management Interface v.2.0■ 200-pin IPMI SO-DIMM Socket (SIMSO)■ (Optional: AOC-SIMSO(+))
Network Controllers	<ul style="list-style-type: none">■ Intel® (ESB2/Gilgal) 82563EB Dual-Port Gigabit Ethernet Controller■ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output■ Intel® I/OAT support for fast, scalable, and reliable networking
Graphics	<ul style="list-style-type: none">■ ATI ES1000 controller with 16 MB of video memory
Clock Generator	<ul style="list-style-type: none">■ CK410B
Super I/O	<ul style="list-style-type: none">■ Winbond 83627HG chip
Input / Output	
IDE	<ul style="list-style-type: none">■ Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF(Compact Flash) Card■ Compact Flash (40-pin connector, IDE 1, single channel) slot■ Supports UDMA Mode 5, PIO Mode 4, and ATA/100
Floppy	<ul style="list-style-type: none">■ 1 Floppy controller; 1.44 MB, 2.88 MB
LAN	<ul style="list-style-type: none">■ 2x RJ45 LAN ports
USB	<ul style="list-style-type: none">■ 2x USB rear ports■ 4x USB internal headers■ Total 6 USB 2.0 Compliant / 1.1 Compliant
VGA	<ul style="list-style-type: none">■ 1x VGA Port
Keyboard / Mouse	<ul style="list-style-type: none">■ PS/2 keyboard and mouse ports
Serial Port / Header	<ul style="list-style-type: none">■ 1 Fast UART 16550 serial port■ 1 Fast UART 16550 serial header

+3.3V	<ul style="list-style-type: none">■ 21 Amp
System BIOS	
BIOS Type	<ul style="list-style-type: none">■ 8Mb Flash EEPROM with Phoenix® BIOS
BIOS Features	<ul style="list-style-type: none">■ Plug and Play (PnP)■ SMBIOS 2.3■ DMI 2.3■ PCI 2.2■ ACPI 1.0■ USB Keyboard support
Operating Environment / Compliance	
Environmental Spec.	<ul style="list-style-type: none">■ Operating Temperature: 10°to 35°C (50°to 95°F)■ Non-operating Temperature: -40°to 70°C (-40°to 158°F)■ Operating Relative Humidity: 8% to 90% (non-condensing)■ Non-operating Relative Humidity: 5 to 95% (non-condensing)

Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X7DBR-8-O-P	1	Super X7DBR-8 Motherboard
	CSE-815S-560V(B)	1	1U Silver SC815 Chassis (B = Black)
Cable(s)	CBL-0043L	1	9" Two-drop Round SCSI Cable
	CBL-0139L	1	50cm 80-Wire IDE (DVD-ROM) Cable
CD	CDR-X7	1	Driver CD
Fan(s)	FAN-0086L	4	3-pin Cooling Fan
Heatsink / Retention	SNK-P0017	2	Please refer to our Thermal Components Matrix
Mounting Rails	CSE-PT51L	1	1U Mounting Rail Kit
Peripheral Drives	DVM-PNSC-824V(B)	1	Silver Panasonic 8x DVD, 24x CD, DVD-ROM Drive (B = Black)
Power Supply	PWS-561-1H20	1	560W 1U power supply
Riser Card	CSE-RR1U-X	1	1U 1-Slot 64-bit 3.3V PCI-X - Left Side
	CSE-RR1U-XLP	1	1U 1-Slot 64-bit 3.3V PCI-X - (Low-profile) Right Side
	CSE-RR1U-EL	1	1U PCI-E to PCI-E Riser Card (x8) - Left Side
	CSE-RR1U-ELP	1	1U PCI-X to PCI-E Riser (Low-profile) - Right Side
Hard Drive	MCP-220-00001-03(01)	4	Silver Hot-swappable Hard Drive Trays (01 = Black)
	CSE-SCA-813S	1	1U U320 SCSI Backplane [Manual]

Optional Parts List			
	Part Number	Qty	Description
IPMI	AOC-SIMSO	-	IPMI 2.0 w/ Virtual Media Over LAN
	AOC-SIMSO+	-	IPMI 2.0 w/ Virtual Media + KVM Over LAN
Peripheral Drives	FPD-CITZN-S(B)	-	Slim Silver Floppy Drive (B = Black)