

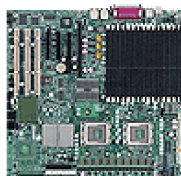


SuperServer 7045B-TR+ / 7045B-TR+B

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Integrated Board



Super X7DBE+

Key Features

1. Dual Intel® 64-bit Xeon® Quad-Core or Dual-Core, with 667 / 1066 / 1333 MHz FSB
2. Up to 64GB 667/533MHz DDR2 ECC FB-DIMM (Fully Buffered DIMM)
3. 2 (x8) & 1 (x4) PCI-Express, 2x 64-bit 133MHz PCI-X, 1x 64-bit 100MHz PCI-X
4. Intel® (ESB2/Gilgal) 82563EB Dual-port Gigabit Ethernet Controller
5. 8x 3.5" Hot-swap Drive Bays
6. 800W Redundant Power Supplies
7. Tower or Rackmount

Available Colors: Black Beige

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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-7045B-TR+	■ SuperServer 7045B-TR+ (Beige)
SYS-7045B-TR+B	■ SuperServer 7045B-TR+B (Black)

Motherboard

Super X7DBE+

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
 - NOTE: Motherboard PCB revision 2.0 or above is required to support Xeon® 5100 (Woodcrest) processors

System Bus ■ 1333 / 1066 / 667 MHz system bus

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

System Memory

- Sixteen 240-pin DIMM slots

Chassis

Form Factor	■ 4U Rackmountable / Tower ■ Optional Rackmount Kit (CSE-PT26)
Model	■ SC745TQ-R800

Dimensions

Height	■ 17.2" (437mm)
Width	■ 7.0" (178mm)
Depth	■ 25.5" (648mm)
Gross Weight	■ 63 lbs (28.6kg)

Available Colors ■ Beige, Black

Front Panel

Buttons	■ Power On/Off button ■ System Reset button
LEDs	■ Power LED ■ Hard drive activity LED ■ 2x Network activity LEDs ■ System Overheat / Fan Fail LED ■ Power Fail LED
Ports	■ 2x USB Ports

Drive Bays

Hot-swap	■ 8x Hot-swap Drive Bays ■ Supports up to 6x SATA Hard Drives
Peripheral Bay(s)	■ 3x 5.25" Peripheral Drive Bay

Peripheral Drives

SATA Backplane

Memory Capacity	- Supports up to 64 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 + PXH + ESB2
SATA	- Intel ESB2 SATA 3.0Gbps Controller - RAID 0, 1, 5, 10 support
IPMI	- Support for Intelligent Platform Management Interface v.2.0 200-pin IPMI slot (SIMLP) (Optional: AOC-SIMLP-B(+)) (Optional: AOC-SIMLP-3(+)) with 3rd LAN support
Network Controllers	- 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	ATI ES1000 controller with 16 MB of video memory
Super I/O	Winbond 83627HG chip

Expansion Slots

PCI-Express	2 (x8) PCI-E slots 1 (x4) PCI-E (using x8) slot
PCI-X	2x 64-bit 133MHz PCI-X (3.3V) slots 1x 64-bit 100MHz PCI-X (3.3V) slot

Input / Output

Serial ATA	- Six Serial ATA ports - Six SATA hard drives supported
IDE	- 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
LAN	2x RJ45 LAN port
USB	2x USB rear ports 3x USB internal headers - Total 5 USB 2.0 Compliant / 1.1 Compliant
VGA	1x VGA Port
Keyboard / Mouse	PS/2 keyboard and mouse ports
Serial Port / Header	1 Fast UART 16550 serial port 1 Fast UART 16550 serial header
Parallel Port	1 ECP / EEP parallel port

SATA Backplane w/ Enclosure Management

System Cooling

Fans	3x 5000 RPM Hot-Swappable Cooling Fans 2x 5000 RPM Hot-Swappable Rear Exhaust Fan
Shroud	1x Air Shroud

Power Supply and Distributor

800W (1 + 1) Redundant AC-DC high-efficiency power supply w/ PFC

AC Voltage	100 - 240V, 50-60Hz, 10-4 Amp
+5V standby	4 Amp
+12V	66 Amp
With Power Distributor	+5V: 30 Amp +3.3V: 24 Amp -12V: 0.6 Amp

PC Health Monitoring

CPU	- Monitors for CPU Cores, +3.3V, +5V, ±12V, +1.2V 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
FAN	- Total of four 3-pin and four 4-pin fan headers supporting up to 8 fans 8x fans with tachometer status monitoring - Status monitor for speed control - Status monitor for on/off control - Low noise fan speed control - Pulse Width Modulated (PWM) fan connectors
Temperature	- Monitoring for CPU and chassis environment - CPU thermal trip support - Thermal Control for 8x fan connectors - PSU I²C temperature sensing logic - Thermal Monitor 2 (TM2) support
LED	CPU / System Overheat LED
Other Features	- Chassis intrusion detection - Chassis intrusion header - SDDC Support

Operating Environment / Compliance

Environmental Spec.	- 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)
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System BIOS

BIOS Type	8Mb Flash EEPROM with Phoenix® BIOS
BIOS Features	- Plug and Play (PnP) - SMBIOS 2.3 - DMI 2.1 - PCI 2.2 - ACPI 1.0 - USB Keyboard support - Hardware BIOS Virus protection

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X7DBE+-O	1	Super X7DBE+ Motherboard
	CSE-745TQ-R800(B)	1	4U SC745TQ-R800 Chassis (B = Black)
Backplane	CSE-SAS-743TQ	1	SAS / SATA Backplane [Manual]
Bezel Filter	-	1	Front Bezel Filter
	CBL-0040L	1	Round Floppy Cable
	CBL-0061L	6	35cm SATA Cable

Cable(s)	CBL-0084	1	6" Split Converter Cable
	CBL-0087	1	Front Panel Ribbon Cable
	CBL-0139L	1	50cm DVD-ROM IDE Cable
	CBL-0157L	2	8-pin to 8-pin Ribbon Cable
CD	CDR-X7	1	Driver CD
Drive Tray(s)	CSE-PT17(B)	8	1" SCA drive tray (B = Black)
Fan(s)	FAN-0072	3	5000 RPM Hot-swappable Cooling Fan
	FAN-0081	2	5000 RPM Rear Hot-swap Cooling Fan
Heatsink / Retention	SNK-P0018	2	Please refer to our Thermal Components Matrix
I/O Shield	CSE-PT55L	1	I/O Shield
Manual(s)	MNL-0847	1	SW7045B-TR+ User's Manual
Power Supply	PWS-801-1R	2	PWS-801-1R 800W Power Supply
	CSE-PT745-PDN24	1	Power Supply Backplane
Air Shroud	CSE-PT0110	1	Air Shroud

Optional Parts List

	Part Number	Qty	Description
IPMI	AOC-SIMLP-3(+)	-	IPMI 2.0 w/ Virtual Media Over LAN, Dedicated LAN, & 3rd Data LAN Port
	AOC-SIMLP-B(+)	-	IPMI 2.0 w/ Virtual Media Over LAN & Dedicated LAN
Mounting Rails	CSE-PT26L	-	Chassis Mounting Rails

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