



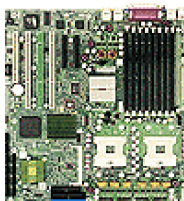


# SuperServer 7044H-TR / 7044H-TRB

Products ▶ Systems ▶ 4U ▶ [ 7044H-TR / 7044H-TRB ]



### Integrated Board



Super X6DHT-G

### Key Features

1. Dual Intel® 64-bit Xeon® Support up to 3.60 GHz
2. Up to 16GB DDR 333MHz SDRAM (or) Up to 32GB DDR 266MHz SDRAM
3. 2 (x8) PCI-Express, 1x 64-bit 133MHz PCI-X, 2x 64-bit 100MHz PCI-X, 1x 32-bit 33MHz PCI
4. Dual Intel® 82541GI Gigabit Ethernet Controllers
5. Zero Channel RAID Support
6. 8x 3.5" Hot-swap SATA Drive Bays
7. Triple-Redundant 760W power supply with I<sup>2</sup>C For Remote Management
8. Tower or Rackmount
9. 100% Cooling Redundancy

Available Colors: Black  Beige

▶ [Drivers & Utilities](#) ▶ [BIOS](#) ▶ [Tested Memory List](#) ▶ [Manuals](#)

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

### Specifications

#### Product SKUs

**SYS-7044H-TR** ■ SuperServer 7044H-TR (Beige)

**SYS-7044H-TRB** ■ SuperServer 7044H-TRB (Black)

#### Motherboard

**Super X6DHT-G**

#### Processor/Cache

- Dual 604-pin FC-mPGA4 Sockets
- Supports up to two Intel® 64-bit Xeon® processor(s) of the same type below:
  - Xeon (Nocona) CPU with 1MB L2 Integrated Advanced Transfer Cache, up to 3.60 GHz
  - Xeon (Irwindale) CPU with 2MB L2 Integrated Advanced Transfer Cache, up to 3.80 GHz
  - Xeon LV (Low Voltage) CPU, up to 2.8 GHz

**System Bus** ■ 800 MHz system bus

**Operating System Software** ■ Supports 64-bit Operating Systems  
 ■ Supports 32-bit Operating Systems  
 ■ [OS Compatibility Chart](#)

#### System Memory

- Eight 184-pin DIMM slots
- Supports up to 16 GB DDR 333MHz memory, or
- Supports up to 32 GB DDR 266MHz memory
- Dual channel memory bus
- Memory must be populated in pairs
- Single-rank modules are recommended for

#### Memory Capacity

#### Chassis

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

**Model** ■ **SC743T-R760**

#### Dimensions

**Height** ■ Tower: 17.2" (437mm)  
 Rackmount: 7.0" (178mm)

**Width** ■ Tower: 7.0" (178mm)  
 Rackmount: 17.2" (437mm)

**Depth** ■ 25.5" (648mm)

**Gross Weight** ■ 69.5 lbs (31.5kg)

**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 LED  
 ■ Power Fail LED

**Ports** ■ 2x USB Ports

#### Expansion Slots

**PCI-Express** ■ 2 (x8) slots

**PCI-X** ■ 1x 64-bit 133MHz PCI-X (3.3V) slot  
 ■ 2x 64-bit 100MHz PCI-X (3.3V) slots

**PCI** ■ 1x 32-bit 33MHz PCI (5V) slot

#### Drive Bays

	6+ DIMM support
<b>Memory Type</b>	<ul style="list-style-type: none"> <li>DDR 333/266MHz buffered (registered) ECC SDRAM 72-bit, 184-pin gold-plated DIMMs</li> </ul>
<b>DIMM Sizes</b>	<ul style="list-style-type: none"> <li>256 MB, 512 MB, 1GB, 2GB, 4GB**</li> </ul>
<b>Memory Voltage</b>	<ul style="list-style-type: none"> <li>2.5 V only</li> </ul>
<b>Error Detection</b>	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> <li>Detects double-bit errors (using ECC memory)</li> <li>Supports Intel® x4 Single Device Data Correction (SDDC)</li> <li>Memory Sparring / Mirroring</li> </ul>

#### On-Board Devices

<b>Chipset</b>	<ul style="list-style-type: none"> <li>Intel® E7520 chipset</li> <li>MCH + 6300ESB + PXH/V +82541GI</li> </ul>
<b>SATA</b>	<ul style="list-style-type: none"> <li>Marvel® 88SX6081 8-port SATA Controller</li> <li>RAID 0, 1, JBOD support</li> </ul>
<b>SATA</b>	<ul style="list-style-type: none"> <li>6300ESB 2-port SATA Controller</li> <li>RAID 0, 1, JBOD support</li> </ul>
<b>Zero Channel RAID</b>	<ul style="list-style-type: none"> <li>Support for Zero-Channel RAID</li> <li>(Card not included)</li> </ul>
<b>IPMI</b>	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>(Optional: <b>AOC-IPMI20-E</b>)</li> </ul>
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>2x Intel® 82541GI Single Port Gigabit Controller</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>ATI Rage XL SVGA PCI video controller with 8MB of video memory</li> </ul>
<b>Super I/O</b>	<ul style="list-style-type: none"> <li>Winbond 83627HF chip</li> </ul>
<b>Clock Generator</b>	<ul style="list-style-type: none"> <li>CK409</li> </ul>

#### Input / Output

<b>Serial ATA</b>	<ul style="list-style-type: none"> <li>Ten Serial ATA ports</li> <li>Up to ten SATA hard drives supported</li> <li>6300ESB - 2 SATA ports</li> <li>Marvell 885X6081- 8 SATA ports</li> </ul>
<b>IDE</b>	<ul style="list-style-type: none"> <li>Dual EIDE channels support up to four UDMA IDE devices</li> <li>Supports UDMA Mode 5, PIO Mode 4, and ATA/100</li> </ul>
<b>Floppy</b>	<ul style="list-style-type: none"> <li>1 Floppy controller; 1.44 MB, 2.88 MB, 3-mode support</li> </ul>
<b>ZCR</b>	<ul style="list-style-type: none"> <li>Adaptec 2020SA (Card not included)</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>2x RJ45 LAN port</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>2x USB rear ports</li> <li>2x USB internal headers</li> <li>USB 2.0 Compliant / 1.1 Compliant</li> </ul>
<b>VGA</b>	<ul style="list-style-type: none"> <li>1x VGA port</li> </ul>
<b>Keyboard / Mouse</b>	<ul style="list-style-type: none"> <li>PS/2 keyboard and mouse ports</li> </ul>
<b>Serial Ports</b>	<ul style="list-style-type: none"> <li>2 Fast UART 16550 serial ports</li> </ul>
<b>Parallel Port</b>	<ul style="list-style-type: none"> <li>1 ECP/EEP parallel port</li> <li>1 parallel port header</li> </ul>

<b>Hot-swap</b>	<ul style="list-style-type: none"> <li>8x 3.5"SATA Hot-swap Drive Bays</li> </ul>
<b>Peripheral Bay(s) [90° Rotatable]</b>	<ul style="list-style-type: none"> <li>2x 5.25" Peripheral Drive Bay</li> <li>1x 5.25" Bay For Floppy Drive</li> </ul>

#### Peripheral Drives

<b>Floppy</b>	<ul style="list-style-type: none"> <li>Panasonic 3.5" 1.44MB Floppy Drive</li> </ul>
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#### SATA

SATA Hard Drive Backplane

#### System Cooling

<b>Fans</b>	<ul style="list-style-type: none"> <li>4x 5000 RPM Hot-swappable Cooling Fans</li> <li>2x 5000 RPM Hot-swappable Rear Exhaust Fans</li> </ul>
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#### Power Supply

760W Triple-redundant AC power supply w/ PFC [ 24-pin, (4-pin, 8-pin) = 12V ]

<b>AC Voltage</b>	<ul style="list-style-type: none"> <li>100 - 240V, 50/60Hz, 14-8 Amp</li> </ul>
<b>DC Output</b>	<ul style="list-style-type: none"> <li>5V + 3.3V ≤ 200W</li> <li>12V Total ≤ 50A</li> </ul>
<b>+5V</b>	<ul style="list-style-type: none"> <li>36.0 Amp</li> </ul>
<b>+5V standby</b>	<ul style="list-style-type: none"> <li>3.5 Amp</li> </ul>
<b>+12V<sub>1</sub></b>	<ul style="list-style-type: none"> <li>18.0 Amp</li> </ul>
<b>+12V<sub>2</sub></b>	<ul style="list-style-type: none"> <li>18.0 Amp</li> </ul>
<b>+12V<sub>3</sub></b>	<ul style="list-style-type: none"> <li>19.0 Amp</li> </ul>
<b>+12V<sub>4</sub></b>	<ul style="list-style-type: none"> <li>19.0 Amp</li> </ul>
<b>-12V</b>	<ul style="list-style-type: none"> <li>1.0 Amp</li> </ul>
<b>+3.3V</b>	<ul style="list-style-type: none"> <li>36.0 Amp</li> </ul>

#### PC Health Monitoring

<b>CPU</b>	<ul style="list-style-type: none"> <li>Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V &amp; +5V Standby</li> </ul>
<b>FAN</b>	<ul style="list-style-type: none"> <li>Four 4-pin fan headers</li> <li>Four 3-pin fan headers</li> <li>8x fans with status tachometer monitoring</li> <li>Status monitor for speed control</li> <li>Status monitor for on/off control</li> <li>Low noise fan speed control</li> <li>Support 3-pin fans</li> <li>Pulse Width Modulated (PWM) fan connector</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Monitoring for CPU, chassis environment</li> <li>CPU thermal trip support</li> <li>Thermal control for 8x fan connectors</li> <li>PC temperature sensing logic</li> <li>Thermal Monitor 2 (TM2) support</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>CPU / System Overheat LED</li> <li>Suspend-state indicator LED</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>Chassis intrusion detection</li> <li>Chassis intrusion header</li> <li>SDDC</li> </ul>

#### System BIOS

<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>8Mb Flash EEPROM with Phoenix® BIOS</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>DMI 2.3</li> <li>PCI 2.2</li> <li>ACPI 1.0</li> <li>USB Keyboard support</li> </ul>

### Parts List

#### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X6DHT-G-O	1	Super X6DHT-G Motherboard
	CSE-743T-R760(B)	1	4U SC743T-R760 Chassis (B = Black)
<b>Backplane</b>	CSE-SATA-743	1	SATA Hard Drive Backplane
<b>Bezel Filter</b>	-	1	Front Bezel Filter

<b>Cable(s)</b>	CBL-0039	1	20" IDE CD-ROM Cable
	CBL-0040	1	13.8" Floppy Cable
	CBL-0061	8	SATA Cable
	CBL-0077	1	SATA LED Cable
	CBL-0084	1	6" Split Converter Cable
	CBL-0087	1	Front Panel Ribbon Cable (16-pin to 16-pin)
<b>Drive Tray(s)</b>	CSE-PT17(B)	8	Hot-swappable Drive Trays (B = Black)
<b>Fan(s)</b>	FAN-0072	4	5000 RPM Hot-swappable Cooling Fan
	FAN-0081	2	5000 RPM Hot-swappable Rear Exhaust Fan
<b>Manual(s)</b>	MNL-0775	1	SS7044H-TR User's Manual
<b>Rear I/O</b>	CSE-PT55	1	Color I/O Shield with Gasket
<b>Peripheral Drives</b>	FPD-PNSC-02 (01)	1	Panasonic 3.5" 1.44MB Floppy Drive (01 = Black)
<b>Power Supply</b>	PWS-0050	1	SP762-TS Triple Redundant 760W power supply set
<b>Air Shroud</b>	CSE-PT54	1	Air Shroud

## Optional Parts List

	Part Number	Qty	Description
<b>Heatsink / Retention</b>	SNK-P0010	-	Passive Copper Heatsink for 2U Chassis and above Please refer to our <a href="#">Thermal Components Matrix</a>
<b>Mounting Rails</b>	CSE-PT26L	-	Chassis Mounting Rails

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