

SuperServer 5026T-TB

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Integrated Board



Super X8STE

Available Colors:

Black



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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-5026T-TB ■ SuperServer 5026T-TB (Black)

Motherboard

Super X8STE

Processor/Cache

CPU

- LGA 1366 Socket
- Intel® Core™ i7-980X, i7-975 and i7-965 Extreme Edition
- Intel® Core™ i7 series
- Intel® Xeon® 5600/5500 series
- Intel® Xeon® 3600/3500 series

System Bus

- QPI (up to 6.4 GT/s)

System Memory

Memory Capacity

- Supports up to 24 GB 1333 / 1066 / 800MHz DDR3 ECC / non-ECC Un-Buffered memory
- Three Channel memory bus
- 6 DIMM sockets

Memory Type

- 1333 / 1066 / 800MHz Un-Buffered ECC / non-ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

DIMM Sizes

- 256MB, 512MB, 1GB, 2GB, 4GB

Memory Voltage

- 1.5 V

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® X58 Express chipset
- ICH10R

SATA

- Intel ICH10R SATA 3.0Gbps Controller
- RAID 0, 1, 5, 10 support

Network Controllers

- 2x Intel® Gigabit Ethernet Controllers
- Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output

VGA

- Integrated Graphics

Super I/O

- Winbond 83627DHG chip

Clock Generator

- CK505

Expansion Slots (Low-Profile)

PCI-Express

- 3 (x8) PCI-e 2.0 slots (1 using x16 slot)
- 1 (x4) PCI-e slot (using x8 slot)

PCI

- 2x 32-bit PCI slot

Input / Output

Key Features

1. Intel® Core™ i7 / i7 Extreme Edition, and Intel® Xeon® 5600/5500/3600/3500 series (QPI up to 6.4 GT/s)
2. Up to 24GB DDR3 1333, 1066 & 800 ECC / non-ECC Un-Buffered DIMM
3. 3 (x8) PCI-E 2.0 (1 in x16 slot), 1 (x4) PCI-E (using X8 slot), 2x 32-bit PCI Low-Profile slots
4. Dual Intel® 82574L Gigabit Ethernet Controller
5. Integrated Graphics
6. 6 x 3.5" Hot-Swap SATA Drive Bays
7. 400W Power Supply

Chassis

Form Factor ■ 2U Rackmount

Model ■ SC822TQ-400LPB

Dimensions

Height 3.5" (89mm)

Width 16.8" (426mm)

Depth 25.6" (650mm)

Gross Weight 50 lbs (22.7kg)

Available Colors 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

Optional Front Bezel

- Please refer to the [Front Bezel Compatibility Table](#)

Drive Bays

Hot-swap 6x 3.5" SATA Hot-swap drive trays

Peripheral Bay(s) 1x 5.25" full-height peripheral bay

Peripheral Drives

CD-ROM TEAC Slim 24x CDROM Drive (Optional)

Floppy 3.5" 1.44MB Floppy Drive (Optional)

SATA Backplane

1x 2U SATA backplane

System Cooling

Fans ■ 4x 80mm 6300 RPM fans

Power Supply

400W AC high-efficiency power supply w/ PFC

AC Voltage ■ 100 - 240V, 60-50Hz, 6-2.7 Amp

+5V ■ 30 Amp

+5V standby ■ 4 Amp

+12V ■ 32 Amp

-12V ■ 0.5 Amp

+3.3V ■ 25 Amp

Certification



[Certified](#)

Serial ATA	<ul style="list-style-type: none"> Six SATA ports Six SATA hard drives supported
Floppy	<ul style="list-style-type: none"> 1 Floppy controller; 1.44 MB
LAN	<ul style="list-style-type: none"> 2x RJ45 LAN ports
USB	<ul style="list-style-type: none"> 8x USB rear ports 2x USB on-board 1x USB internal header(2 ports) Total 12 USB 2.0 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"> 1x Fast UART 16550 serial port 1x internal header
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 4Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> DMI 2.3 PCI 2.2 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3

PC Health Monitoring	
CPU	<ul style="list-style-type: none"> Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, Memory, Chipset Voltages. 6-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
FAN	<ul style="list-style-type: none"> Total of six fan headers supporting up to 6 fans Six 4-pin fan headers 6x fans with tachometer status monitoring Status monitor for speed control Status monitor for on/off control Support 3-pin fans (w/o speed control) Low noise fan speed control Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support FC temperature sensing logic Thermal Monitor 2 (TM2) support PEC
LED	<ul style="list-style-type: none"> CPU / System Overheat LED +5V Standby alert LED
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header
Operating Environment	
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-X8STE-O	1	Super X8STE Motherboard
	CSE-822T-400LP(B)	1	2U SC822T-400LP Chassis (B = Black)
Backplane	BPN-SAS-823TQ	1	SC823 SAS/SATA Backplane w/AMI 9072
Cable(s)	CBL-0061L	3	35cm SATA Cable
	CBL-0062L	1	12V 8 to 8-Pin Power Connector Extension Cable
	CBL-0112L	1	70cm Floppy Cable
	CBL-0157L	2	8-Pin to 8-Pin Ribbon Cable For SGPIO
	CBL-0178L	3	48cm Flat SATA Cable
Fan(s)	FAN-0044L4	4	80x25 4-Pin PWM Fan Assembly for SC822
Hard Drive	CSE-PT17(B)	6	3.5" Hard Drive Trays
Mounting Rails	CSE-PT25	1	2U Mounting Rail Kit
Peripheral Drives	CDM-PSATA	1	Slim CD/DVD-ROM IDE To SATA Adapter
Power Supply	PWS-401-2H	1	2U 400W Power Supply

Optional Parts List			
	Part Number	Qty	Description
Heat Sink	SNK-P0036A4	-	2U Active CPU HS for Intel LGA 1366 X8 UP MB
Peripheral Drives	DVM-TEAC-DVD-SBT	-	Black slim SATA DVD, TEAC