

SuperServer 5015TB-TB

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Integrated Boards

Super X7SBT

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.

Key Features

Two systems (nodes) in a 1U form factor. Each node supports the following:

1. Intel® Xeon® 3000 Sequence and Core™ 2 Extreme / Quad / Duo Series in LGA775 Package (FSB 1600/1333/1066/800 MHz)

2. Up to 8GB unbuffered non-ECC DDR3 1333/1066/800 SDRAM or up to 4 GB Non-ECC 1600MHz XMP DDR3 memory

3. 1 (x16) PCI-e 2.0 slot (Low Profile)

5. Intel® 82573V + 82573L Ethernet Controllers

6. 2x Hot-swap SATA Drive Bays

7. 780W High-efficiency Power Supply

Specifications

Product SKUs	
SYS-5015TB-TB	SuperServer 5015TB-TB (Black)
Motherboards	
Super X7SBT + Super X7SBT	
Processor/Cache	
CPU	- Single LGA775 ZIF Socket - Supports Quad-Core Intel® Xeon® X3300/X3200 series - Supports Dual-Core Intel® Xeon® E3100/3000 series - Supports Intel® Xeon® processor L3360 and L3110 series - Supports Intel® Core™2 Quad Q9000/Q8000/Q6000 series - Supports Intel® Core™2 Duo E8000/E7000/E6000/E4000 series - Supports Intel® Pentium® E5000/E2000 series - Supports Intel® Celeron® E1000 and 400 series - NOTE: 1600MHz CPU has to use 1600 MHz XMP Memory
System Bus	1600 / 1333 / 1066 / 800 MHz system bus
System Memory (per Node)	
Memory Capacity	- Four 240-pin DIMM sockets - Supports up to 8 GB of unbuffered, non-ECC DDR3 1333/1066/800MHz memory (Dual Channel) or up to 4 GB Non-ECC 1600MHz XMP DDR3 memory
Memory Type	DDR3 1333/1066/800MHz unbuffered, non-ECC SDRAM, 240-pin gold-plated DIMMs or Non-ECC 1600MHz XMP DDR3 memory
DIMM Sizes	256 MB, 512 MB, 1 GB, 2 GB
Memory Voltage	Dynamic (1.5V to 1.9V)
On-Board Devices (per Node)	
Chipset	- Intel X48 chipset - ICH9R + Intel® 82573V + Intel® 82573L
Serial ATA	- Intel® ICH9R SATA controller built-in (3 Gbps) - RAID 0, 1, 5, 10 (Windows) - RAID 0, 1, 10 (Linux)
IPMI	- Support for Intelligent Platform Management Interface v.2.0 - IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN support - SIMSO Slot - Supermicro Intelligement Management (Optional: AOC-SIMSO-HTC, AOC-SIMSO+) - NOTE: AOC-SIMSO+ must use Dedicated LAN for KVM-over-LAN function
Network Controllers	- Intel® 82573V & 82573L Gigabit Ethernet Controllers - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
VGA	On-board XGI Volari Z9S (32MB) graphics
Super I/O	Winbond 83627DHG chip
Clock Generator	IDT CV152
Input / Output (per Node)	
Serial ATA	- Four Serial ATA ports (3 Gbps performance) - Four SATA hard drives supported
LAN	2x RJ45 LAN ports
USB	- Up to 8x USB 2.0 / 1.1 compliant ports 2 rear ports + 2 internal headers + 2 Type A ports
VGA	1x VGA port
Serial Ports	1x Fast UART 16550 serial port 1x internal header
System BIOS (per Node)	
BIOS Type	16Mb Flash EEPROM with Phoenix BIOS
BIOS Features	- Plug and Play (PnP) - DMI 2.3 support - PCI 2.2 - ACPI 1.0 / 2.0 (S3 Optional) - ACPI 1.0 (limited) - USB Keyboard support - Hardware BIOS Virus protection
Chassis	
Form Factor	1U Rackmount
Model	CSE-808LT-780B
Dimensions	
Height	1.7" (43mm)
Width	17.2" (437mm)
Depth	27.75" (705mm)
Gross Weight	40 lbs (18.1kg)
Available Colors	Black
Front Panel (per Node)	
Buttons	- Power On/Off button - System Reset button
LEDs	- Power LED - Hard drive activity LED 2x Network activity LEDs - System Overheat LED
Expansion Slots (per Node)	
PCI-Express	1 (x16) PCI-e 2.0 slot (Low Profile)
Drive Bays (per Node)	
Hot-swap	2x 3.5" SATA Hot-swap drive bays
SATA Backplane	
1U SATA Backplane	
System Cooling	
Fans	6x Cooling Fans
Power Supply	
780W AC to DC power supply w/ PFC	
AC Input	100-240V, 60-50Hz, 9.5-3.5Amp
+5V sb	4 Amp
+12V	65 Amp @ 180-240Vac 58 Amp @ 100-140Vac
Management	
Software	- SuperDoctor® III - Watch Dog - NMI
Power Configurations	- ACPI / ACPM Power Management - Main Switch Override Mechanism - Keyboard Wakeup from Soft-Off - CPU Fan auto-off in sleep mode - Power-on mode control for AC power loss recovery
PC Health Monitoring (per Node)	
CPU	- Monitors for CPU Cores (+1.8V, +3.3V, +5, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, Memory, Chipset) - CPU Core 5-Phase-switching voltage regulator with auto-sense from 0.3750V-1.6000V
FAN	- Total of three 4-pin fan headers 3x fans with tachometer monitoring - Status monitor with firmware / software speed control - Status monitor for on/off control - Low noise fan speed control
Temperature	- Monitoring for CPU and chassis environment - CPU Thermal Trip support - Thermal Control for 8x Fan Connectors - PSU I²C temperature sensing logic - Thermal Monitor (TM2) Support - PECI
LED	- CPU / System Overheat LED - Suspend-state indicator LED
Operating Environment / Compliance	
RoHS	RoHS Compliant 5/6, Server Exemption
Environmental Specifications	- Operating Temperature: 10°C to 35°C (50°F to 95°F) - Non-operating Temperature: -40°C to 70°C (-40°F 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-X7SBT-B	2	Super X7SBT Motherboard
	CSE-808LTS-780	1	1U CSE-808LTS-780 Chassis
Backplnae	BPN-SAS-808	1	1U SAS / SATA Backplane
Cable(s)	CBL-0087	2	Front Panel Switch Cable (Round), 16-pin to 16-pin, 51cm, Pb-free
	CBL-0226L	2	43CM SATA ROUND S-RA PBF
	CBL-0227L	2	48CM SATA ROUND S-RA PBF
	CBL-0212L	1	Power Cord
CD	CDR-X7	1	Driver CD
Fan(s)	FAN-0107L4	6	4-pin Counter-rotating Cooling Fan
Front Panel	MCP-280-81301-0N	2	Front Control Panel
Hard Drive	MCP-220-00001-03(01)	4	Silver Hot-swappable Hard Drive Trays (01 = Black)
Heatsink / Retention	SNK-P0016P	2	Please refer to our Thermal Components Matrix
Mounting Rails	CSE-PT51L	1	1U Mounting Rail Kit
Power Distributor	PDB-PT808-S20	1	Power Backplane
Power Supply	PWS-781-1S	1	780W 1U Cold Swap 12V power supply
Riser Card	RSC-R1U-E16R	2	1U: PCI- E x16 Slot to 1 PCI-E x16 Slot
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