

SuperServer 5015B-MT / 5015B-MTB

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Integrated Board



Super X7SBI

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-5015B-MTB	■ SuperServer 5015B-MTB (Black)
SYS-5015B-MT	■ SuperServer 5015B-MT (Beige)
Motherboard	
Super X7SBI	
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: Intel Xeon processor L3014 requires an LGA771 socket and is not supported.	
System Bus	■ 1333 / 1066 / 800 MHz system bus
System Memory	
Memory Capacity	■ Four 240-pin DIMM sockets
	■ Supports up to 8 GB of memory (Dual Channel)
Memory Type	■ DDR2 800/667 MHz unbuffered, ECC SDRAM, 240-pin gold-plated DIMMs
DIMM Sizes	■ 256 MB, 512 MB, 1 GB, 2GB, 4GB
Memory Voltage	■ 1.8V only
On-Board Devices	
Chipset	■ Intel 3210 chipset
	■ ICH9R + PXH + Intel® 82573V + Intel® 82573L
Serial ATA	■ Intel® ICH9R SATA2 (3 Gbps) controller built-in
	■ RAID 0, 1, 5, 10 support (Windows Only)
	■ RAID 0, 1, 10 support (Linux)

Chassis	
Form Factor	■ 1U Rackmount
Model	■ SC813MTQ-300C (Chassis not sold separately)
Dimensions	
Height	■ 1.7" (43mm)
Width	■ 17.2" (437mm)
Depth	■ 19.8" (503mm)
Gross Weight	■ 38 lbs (17.2kg)
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
Ports	■ 2x Front USB Ports
	■ 1x Serial COM Port
Drive Bays	
Hot-swap	■ 4x 3.5" SATA Hot-swap drive bays
System Cooling	
Fans	■ 3x Cooling Fans
Power Supply	
Fixed 300W AC power supply module with PFC [24-pin, (4-pin=12V), 4-pin HDD]	
AC Voltage	■ 100 - 240V, 60-50Hz, 5 Amp
DC Output	■ 5V + 3.3V ≤ 100W
+5V	■ 25 Amp
+5V standby	■ 2.0 Amp
+12V	■ 24.0 Amp (Max)
-12V	■ 1.0 Amp
+3.3V	■ 15.0 Amp
PC Health Monitoring	
■ Monitors for CPU Cores (+1.8V, +3.3V, +5, ±12V, +3.3V Standby, +5V Standby, VBAT,	

IPMI	<ul style="list-style-type: none"> 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 Intelligence Management (Optional: AOC-SIMSO-HTC, AOC-SIMSO+) NOTE: AOC-SIMSO+ must use Dedicated LAN for KVM-over-LAN function
Network Controllers	<ul style="list-style-type: none"> 2x Single-port Gigabit PCI-Express Ethernet Controllers Intel® 82573V + Intel® 82573L Supports 10BASE-T, 100BASE-T, 1000BASE-T, RJ45 output
VGA	<ul style="list-style-type: none"> On-board ATI ES1000 (32MB) graphics
Super I/O	<ul style="list-style-type: none"> Winbond 83627DHG chip
Clock Generator	<ul style="list-style-type: none"> CK505
Expansion Slots	
PCI-Express	<ul style="list-style-type: none"> 1 Universal (x8) PCI-e slot (OR)
PCI-X	<ul style="list-style-type: none"> 1 64 bit PCI-X 133 Mhz slot
Input / Output	
Serial ATA	<ul style="list-style-type: none"> Six Serial ATA ports (3 Gbps performance) Four SATA hard drives supported External SATA supported
IDE	<ul style="list-style-type: none"> One EIDE channel supports up to two UDMA IDE devices Supports UDMA Mode 5, PIO Mode 4, and ATA/100
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"> Up to 8x USB 2.0 / 1.1 compliant ports 2 rear ports 4 internal headers + 2 on-board
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 Ports	<ul style="list-style-type: none"> 1x Fast UART 16550 serial port 1x internal header
Parallel Port	<ul style="list-style-type: none"> 1x ECP / EEP Parallel Port
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)
	<ul style="list-style-type: none"> DMI 2.3 support
	<ul style="list-style-type: none"> PCI 2.2
	<ul style="list-style-type: none"> ACPI 1.0/2.0
	<ul style="list-style-type: none"> SMBIOS 2.3 USB Keyboard support

CPU	<ul style="list-style-type: none"> HT, Memory, Chipset) CPU Core 3-Phase-switching voltage regulator with auto-sense from 0.3750V-1.6000V Adjustable CPU clock frequency ratio
FAN	<ul style="list-style-type: none"> Total of six 4-pin fan headers 6x fans with tachometer monitoring Status monitor with firmware / software speed control Status monitor for on/off control Support 3-pin fans (without speed control) Low noise fan speed control Pulse Width Modulated (PWM) fan connector
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU Thermal Trip support Thermal Monitor (TM2) Support PECI
LED	<ul style="list-style-type: none"> CPU / System Overheat LED +5 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-X7SBI-B	1	Super X7SBI Motherboard
	CSE-813MTQ-300C(B)	1	1U SC813MTQ-300C Chassis (B = Black)
Air Shroud	MCP-310-81201-0B	1	Air Shroud
Backplane	BPN-SAS-815TQ	1	4 x 1 SAS/SATA Backplane
Cable(s)	CBL-0049L	1	16-pin to 16-pin Front Cable
	CBL-0051L	1	23.6" Floppy Round Cable
	CBL-0068	1	16-Pin Front Panel Split Cable
	CBL-0175L	1	50cm 4-Lane SAS TO SATA Cable
	CBL-0186L	1	SATA Cable (Set of 4)
Fan(s)	FAN-0061L4	3	4cm 4-pin PWM fan
Front Side USB	CSE-PT40(B)	-	Front USB and COM Port Tray (B = Black)
Hard Drive Carrier(s)	CSE-PT39(B)OEM	4	Hard Drive Carrier (B = Black)
Heatsink / Retention	SNK-P0016P	1	1U, Passive CPU Heatsink
I/O	CSE-PT0119	1	Standard I/O Shield
Mounting Rail(s)	CSE-PT52	1	1U Chassis Mounting Rails and Kit
Peripheral Drives	DVM-PNSC-824(B)	1	DVD-ROM Drive (B = Black)
Power Supply	PWS-0054	1	SP302-1S 300W 1U power supply
Riser Card(s)	CSE-RR1U-Xi	1	1U 1-Slot PCI-X Riser
	CSE-RR1U-ELi	1	1U Universal (SXB-E) Slot to PCI-E Slot Riser Card for X7SBI

Optional Parts List			
	Part Number	Qty	Description
Front Bezel	CSE-PTFB-813	-	1U Front Bezel Cover
Peripheral Drives	FPD-TEAC-S(B)	-	Slim Floppy Drive (B = Black)

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