

SuperServer 5015M-T+ / 5015M-T+B

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Integrated Board



Super PDSMi+

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-5015M-T+	■ SuperServer 5015M-T+B(Beige)
SYS-5015M-T+B	■ SuperServer 5015M-T+B (Black)
Motherboard	
Super PDSMi+	
Processor/Cache	
CPU	■ Single LGA775 ZIF Socket
	■ Supports a Quad-Core Intel® Xeon® 3200 series processor
	■ Supports a Dual-Core Intel® Xeon® 3000 series processor
	■ Supports a Quad-Core Intel® Core™2 Extreme series processor
	■ Supports an Intel® Core™2 Quad series processor
	■ Supports an Intel® Core™2 Duo series processor
	■ Supports an Intel® Pentium® processor E2000 series
	■ Supports a Dual-Core Intel® Pentium® D processor
	■ Supports an Intel® Pentium® Extreme Edition processor
	■ Supports an Intel® Pentium® 4 processor
System Bus	■ Supports an Intel® Celeron® processor E1000 series
	■ Supports an Intel® Celeron® processor 400 series
	■ NOTE: This board DOES NOT support Q9000, E8000, E7000, E5000 series or 45nm processor
	■ 1066 / 800 / 533 MHz system bus
System Memory	
Memory Capacity	■ Four 240-pin DIMM sockets
	■ Supports up to 8 GB of memory (Single / Dual Channel)
Memory Type	■ DDR2 667/533MHz unbuffered, ECC / non-ECC SDRAM, 240-pin gold-plated DIMMs
DIMM Sizes	■ 256 MB, 512 MB, 1 GB, 2GB
Memory Voltage	■ 1.8V only
On-Board Devices	
Chipset	■ Intel 3000 (Mukilteo-2) chipset
	■ ICH7R + PXH-V + Intel® 82573L + Intel® 82573L
Serial ATA	■ Intel® ICH7R SATA controller built-in
	■ RAID 0, 1, 5, 10 support (Windows Only)
	■ RAID 0, 1, 10 support (Linux)

Chassis	
Form Factor	■ 1U Rackmount
Model	■ SC811T-300
Dimensions	
Height	■ 1.7" (43mm)
Width	■ 16.8" (426mm)
Depth	■ 22.6" (574mm)
Gross Weight	■ 35 lbs (15.9kg)
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	■ none
Drive Bays	
Hot-swap	■ 2x 3.5"SATA Hot-swap drive bays
System Cooling	
Fans	■ 3x 3-pin Counter-rotatign 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	
CPU	■ Monitors for CPU Cores (+1.8V, +3.3V, +5, ±12V, +3.3V/+5V Standby, VBAT)
	■ CPU Core 4-Phase-switching voltage regulator with auto-sense from 0.8375V-1.6000V
	■ Adjustable CPU clock frequency ratio
FAN	■ Fan Speed Control
	■ Total of six 4-pin fan headers
	■ 6x fans with tachometer monitoring
	■ Status monitor with firmware speed control
■ Low noise fan speed control	

Key Features

1. Xeon® 3200/3000 Series, Pentium® D, Pentium 4, Pentium Extreme Edition, & Celeron D in LGA775 Package (FSB 1066/800/533)
2. Up to 8GB unbuffered ECC / non-ECC DDR2 667/533MHz SDRAM
3. 1 (x8) PCI-Express or 1x 64-bit 133MHz PCI-X
4. 1x Intel® 82573L PCI-e Gigabit LAN
1x Intel® 82573V PCI-e Gigabit LAN
5. On board ATI ES1000 Graphics
6. 2x 3.5" Hot-swap SATA Drive Bays
7. 300W Power Supply

IPMI	<ul style="list-style-type: none">■ Support for Intelligent Platform Management Interface v.2.0■ (Optional: AOC-IPMI20-E)
Network Controllers	<ul style="list-style-type: none">■ 1x Intel® 82573V Gigabit PCI-Express Ethernet■ 1x Intel® 82573L Gigabit PCI-Express Ethernet■ Supports 10Base-T, 100Base-TX, 1000BASE-T, RJ45 output
VGA	<ul style="list-style-type: none">■ On-board ATI ES1000 16MB graphics
Super I/O	<ul style="list-style-type: none">■ Winbond 83627EHG chip
Clock Generator	<ul style="list-style-type: none">■ CK410
Expansion Slots	
Universal Slot	<ul style="list-style-type: none">■ 1x 64-bit PCI-X 133MHz Slot (via Riser Card) OR■ 1 (x8) PCI-Express Slot (via Riser Card) - Optional
Input / Output	
Serial ATA	<ul style="list-style-type: none">■ Four Serial ATA ports (3 Gbps performance)■ Four SATA hard drives supported
IDE	<ul style="list-style-type: none">■ One EIDE channel supports up to two UDMA IDE devices■ IDE Master / Slave 2 ports■ Supports UDMA Mode 5, PIO Mode 4, and ATA/100■ White Connector for Compact Flash (CF, 40-pin IDE connector) card only
LAN	<ul style="list-style-type: none">■ 2x RJ45 LAN ports
USB	<ul style="list-style-type: none">■ Up to 6x USB 2.0 compliant / 1.1 compatible ports■ 4x Internal USB headers■ 2x Rear USB ports
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 Header
Parallel Port	<ul style="list-style-type: none">■ 1x ECP / EEP Parallel Header

Temperature	<ul style="list-style-type: none">■ Status monitor for on/off control■ Support 3-pin fans (without speed control)■ Pulse Width Modulated (PWM) fan connector
LED	<ul style="list-style-type: none">■ Monitoring for CPU and chassis environment■ CPU thermal trip support■ Thermal Monitor (TM2) Support
Other Features	<ul style="list-style-type: none">■ CPU / System Overheat LED■ +5V Standby Alert LED■ Suspend-state indicator LED■ Chassis Intrusion Detection■ Chassis Intrusion Header
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)■ DMI 2.3 support■ PCI 2.2■ ACPI 1.0■ USB Keyboard support■ SMBIOS 2.3

Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-PDSMi+-B	1	Super PDSMi+ Motherboard
	CSE-811T-300(B)	1	1U SC811T-300 Chassis (B = Black)
Air Shroud	CSE-PT97	1	Air Shroud
Backplane	CSE-SATA-810	1	2-Port SATA Backplane
Cable(s)	CBL-0051L	1	23.6" Floppy Round Cable
	CBL-0052L	1	23.6" IDE Round CD-ROM Cable
	CBL-0056L	1	SATA LED Cable (18", 10 Pin, LED, 1X5+1X5 Ribbon)
	CBL-0061L	2	24" SATA Cable
	CBL-0099	1	Power Extension Cable: one HDD to two HDD and two FDD
Fan(s)	FAN-0087	3	1U, 3-pin Counter-rotating Cooling Fan
Hard Drive Carrier(s)	CSE-PT10-(B)OEM	2	Hard Drive Carrier (B = Black)
Heatsink / Retention	SNK-P0016	1	1U, Pentium® D LGA775, Passive Heatsink
I/O	CSE-PT0119	1	Standard I/O Shield
Mounting Rail(s)	CSE-PT8	1	1U Chassis Mounting Rails and Kit
Peripheral Drives	CDM-TEAC-24(B)	1	Slim 24x TEAC CD-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

Optional Parts List			
	Part Number	Qty	Description
Riser Card (for PCI-e x8)	CSE-RR1U-ELi	-	1U Universal (SXB-E) Slot to PCI-E Slot Riser Card for PDSMi+