

SuperServer 5015M-MF+ / 5015M-MF+B

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Integrated Board



Super PD6Mi+

Available Colors: Black Beige

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Specifications

Product SKUs	
SYS-5015M-MF+	▪ SuperServer 5015M-MF+ (Beige)
SYS-5015M-MF+B	▪ SuperServer 5015M-MF+B (Black)
Motherboard	
Super PDSMi+	
Processor/Cache	
	▪ 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 ▪ 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
CPU	
System Bus	▪ 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® 82573V + Intel® 82573L
Serial ATA	▪ Intel® ICH7R SATA controller built-in ▪ RAID 0, 1, 5, 10 support (Windows Only) ▪ RAID 0, 1, 10 support (Linux)
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ (Optional: AOC-IPMI20-E)
Network Controllers	▪ 1x Intel® 82573V Gigabit PCI-Express Ethernet ▪ 1x Intel® 82573L Gigabit PCI-Express Ethernet ▪ Supports 10Base-T, 100Base-TX, 1000BASE-T, RJ45 output
VGA	▪ On-board ATI ES1000 16MB graphics
Super I/O	▪ Winbond 83627EHG chip
Clock Generator	▪ CK410
Expansion Slots	
Universal Slot	▪ 1x 64-bit PCI-X 133MHz Slot (via Riser Card) OR ▪ 1 (x8) PCI-Express Slot (via Riser Card) - Optional
Input / Output	
Serial ATA	▪ Four Serial ATA ports (3 Gbps performance) ▪ Four SATA hard drives supported
IDE	▪ 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
Floppy	▪ 1 Floppy controller; 1.44 MB
LAN	▪ 2x RJ45 LAN ports
USB	▪ Up to 6x USB 2.0 compliant / 1.1 compatible ports ▪ 4x Internal USB headers ▪ 2x Rear USB ports
VGA	▪ 1x VGA Port
Keyboard / Mouse	▪ PS/2 keyboard and mouse ports
Serial Ports	▪ 1x Fast UART 16550 serial port ▪ 1x Header
Parallel Port	▪ 1x ECP / EEP Parallel Header

Chassis	
Form Factor	▪ 1U Rackmount
Model	▪ SC513F-260 (For SuperServers Only)
Dimensions	
Height	▪ 1.7" (43mm)
Width	▪ 16.8" (426mm)
Depth	▪ 14" (356mm)
Gross Weight	▪ 16.5 lbs (7.5kg)
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
Ports	▪ 2x USB Ports (2.0 Ready)
Drive Bays	
Internal Bay	▪ 1x 3.5" internal drive bay
System Cooling	
Fans	▪ 2x 16cm 3-pin Nidec Counter-rotating Fans
Power Supply	
Thermal control 260W AC power supply with PFC [24-pin, 4-pin=12V, (2) 4-pin]	
AC Voltage	▪ 100 - 240V, 60-50Hz, 4 Amp Max
DC Output	▪ 5V + 3.3V ≤ 140W
+5V	▪ 25.0 Amp
+5V standby	▪ 2.0 Amp
+12V	▪ 18.0 Amp
-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 ▪ Status monitor for on/off control ▪ Support 3-pin fans (without speed control) ▪ Pulse Width Modulated (PWM) fan connector
Temperature	▪ Monitoring for CPU and chassis environment ▪ CPU thermal trip support ▪ Thermal Monitor (TM2) Support
LED	▪ CPU / System Overheat LED ▪ +5V Standby Alert LED ▪ Suspend-state indicator LED
Other Features	▪ Chassis Intrusion Detection ▪ Chassis Intrusion Header
System BIOS	
BIOS Type	▪ 8Mb Flash EEPROM with Phoenix BIOS®
BIOS Features	▪ 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-513F-260(B)	1	1U SC513F-260 Chassis (B = Black)
Air Shroud	CSE-PT95	1	Air Shroud
Cable(s)	CBL-0061L	1	35cm SATA Cable
	CBL-0087	1	Front Panel Ribbon Cable
	CBL-0160L	1	Power Cord
Fan(s)	FAN-0088	2	3-pin Counter-rotating Fans
	CSE-PT0111	1	1U Fan Tray for 2 Cooling Fans
Heatsink	SNK-P0016	1	1U Passive Heatsink
Manual	MNL-0809	1	SS5015M-MF+ User's Manual
Power Supply	PWS-0055	1	SP262-1S 260W 1U Power Supply
Riser Card	CSE-RR1U-XI	1	1U 1-Slot PCI-X Riser

Optional Parts List			
	Part Number	Qty	Description
Mounting Rails	CSE-PT8L	-	1U Chassis Mounting Rails and Kit
Riser Card (for PCI-e x8)	CSE-RR1U-ELi	-	1U Universal (SXB-E) Slot to PCI-E Slot Riser Card for PDSMi+