SuperServer 5016I-MTF

Available Colors: Black

Key Features

1. Intel® Xeon® X3400 / L3400 series processors
2. Up to 32GB DDR3 1333/1066/800MHz ECC Registered DIMM / 16GB Unbuffered DIMM
3. 1 (x16) PCI-Express 2.0
4. Dual Intel® 82574L Gigabit Ethernet Controllers
5. 4x 3.5" Hot-swap SATA Drive Bays
6. 280W Power Supply
7. Integrated IPMI 2.0 with KVM and Dedicated LAN

Available Colors:

Drivers & Utilities  BIOS  Tested Memory / HDD  Manuals

Note: Image above may show a varied configuration or optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs
SYS-5016I-MTF  SuperServer 5016I-MTF (Black)

Motherboard
Super X8SIE-F

Processor/Cache
LGA 1156 Socket
- Intel® Xeon® X3400 series
- Intel® Xeon® L3400 series
- Intel® Core™ i3
- Intel® Pentium® G6950
- Intel® Celeron® G1101

System Memory
6x 240-pin DDR3 DIMM sockets
- Supports up to 48 GB DDR3 ECC Registered memory (RDIMM) in 6 DIMM sockets
- Supports up to 16 GB DDR3 ECC Unbuffered memory (UDIMM) in 4 DIMM sockets
- 1333 / 1066 / 800 MHz
- Dual Core processors of Ci3 and Pentium: support ECC UDIMM only
- Note: Supports 1-Gb and 2-Gb x8 devices only - Intel 3420 / 3400 Chipset Memory Requirements

Memory Capacity
- 1333 / 1066 / 800 MHz ECC Registered / ECC Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

CPU
- LGA 1156 Socket
- Intel® Xeon® X3400 series
- Intel® Xeon® L3400 series
- Intel® Core™ i3
- Intel® Pentium® G6950
- Intel® Celeron® G1101

System Cooling
- 4x Cooling Fans

Drives
- 4x 3.5" SAS / SATA Hot-swap drive bays

Ports
- 2x Front USB Ports
- 1x Serial COM Port

LEDs
- Power LED
- Hard drive activity LED
- 2x Network activity LEDs
- System Overheat / Fan Fail LED

Buttons
- Power On/Off button
- System Reset button

Front Panel

Chassis
- 1U Rackmount

Model
CSE-813MTQ-280C

Dimensions
- Height: 1.7" (43mm)
- Width: 17.2" (437mm)
- Depth: 19.8" (503mm)
- Gross Weight: 38 lbs (17.2kg)

Available Colors
Black
### DIMM Sizes
- 1GB, 2GB, 4GB, 8GB

### Memory Voltage
- 1.5 V

### Error Detection
- Corrects single-bit errors
- Detects double-bit errors (using ECC memory)

### On-Board Devices
**Chipset**
- Intel® 3420 chipset

**SATA**
- 6x SATA (3 Gbps)
- RAID 0, 1, 5, 10 support (Windows)
- RAID 0, 1, 10 support (Linux)

**IPMI**
- Support for Intelligent Platform Management Interface v.2.0
- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
- Nuvoton WPCM450 BMC

**Network Controllers**
- 2x Intel® 82574L Gigabit Ethernet Controllers
- Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
- 1x Realtek RTL8201N PHY (dedicated IPMI)

**VGA**
- Matrox G200eW 16MB DDR2

**Super I/O**
- Winbond 83627D/JAE-P

**Clock Generator**
- CK505

**Expansion Slots**
- 1 (x16) PCI-E 2.0 slot via riser card

### Input / Output
**Serial ATA**
- 4 SATA hard drives supported

**LAN**
- 2x RJ45 LAN ports
- 1x RJ45 Dedicated IPMI LAN port

**USB**
- 2x USB rear ports
- 2x USB on-board
- 2x USB internal header (4 ports)
- Total 8 USB 2.0 Compliant

**VGA**
- 1x VGA port

**Keyboard / Mouse**
- PS/2 keyboard and mouse ports

**Serial Port / Header**
- 1x Fast UART 16550 serial port
- 1x internal header

### System BIOS
**BIOS Type**
- 32Mb SPI Flash EEPROM with AMI BIOS

**BIOS Features**
- ACPI 1.0 / 2.0
- USB Keyboard support
- SMBIOS 2.3

### Power Supply
- 280W AC power supply w/ PFC

**AC Voltage**
- 100 - 240V, 50 - 60Hz, 5Amp

**+5V**
- 18 Amp

**+5V standby**
- 2 Amp

**+12V**
- 23Amp @ 100-140V, 27Amp @ 180-240V

**-12V**
- 1.0 Amp

**+3.3V**
- 15 Amp

### PC Health Monitoring
**CPU**
- Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, Voltage, Temperature, Memory, Chipset Voltages.
- 5-Phase-switching voltage regulator with auto-sense from 0.8375V to 1.60V
- Total of 5 fan headers supporting up to 5 fans
- 5x 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

**FAN**
- Monitoring for CPU and chassis environment
- CPU thermal trip support
- FC temperature sensing logic
- Thermal Monitor 2 (TM2) support
- PECI

**LED**
- CPU / System Overheat LED
- +5V Standby alert LED

**Other Features**
- Chassis intrusion detection
- Chassis intrusion header

### Operating Environment / Compliance
**RoHS**
- RoHS Compliant 6/6, Pb Free

**Environmental Spec.**
- 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)

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### Parts List

**Parts List - Items Included**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBX-X8SIE-F</td>
<td>1</td>
<td>Super X8SIE-F Motherboard</td>
</tr>
<tr>
<td>CSE-813MTQ-280C</td>
<td>1</td>
<td>1U Chassis</td>
</tr>
<tr>
<td>BPN-SAS-815TQ-O-P</td>
<td>1</td>
<td>BPN-SAS-815TQ-O-P</td>
</tr>
<tr>
<td>CBL-0157L</td>
<td>1</td>
<td>8pin to 8pin ribbon cable with tube for SGPIO, 40cm, PBF</td>
</tr>
<tr>
<td>CBL-0186L</td>
<td>1</td>
<td>SATA SET OF 4-56/45.35/35/23CM ROUND S-RA</td>
</tr>
<tr>
<td>CBL-0341L</td>
<td>1</td>
<td>1CH internal 10P to 4P USB 2.0 cable for LCD, 70cm</td>
</tr>
<tr>
<td>CDM-USATA-G-O-P</td>
<td>1</td>
<td>mini-SATA to USB adapter for slim DVD</td>
</tr>
<tr>
<td>DVM-PNSC-DVD-SBT1</td>
<td>1</td>
<td>BLACK PANASONIC SLIM DVD ROM SATA DRIVE</td>
</tr>
<tr>
<td>DVM-TEAC-DVD-SBT1</td>
<td>1</td>
<td>BLACK TEAC SLIM DVD ROM SATA DRIVE ROHS</td>
</tr>
</tbody>
</table>
### Optional Parts List

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Bezel</td>
<td></td>
<td>1U Front Bezel Cover</td>
</tr>
</tbody>
</table>

**Note:** ***Only 1 drive is included, these items (*** are interchangeable***

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