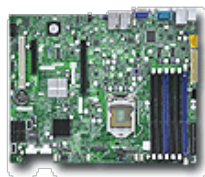


SuperServer 5016I-MTF

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Integrated Board



Super X8SIE-F

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:

Black



[▶ 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

CPU

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

System Memory

Memory Capacity

- 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 Type

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

Chassis

- **Form Factor** 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

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" SAS / SATA Hot-swap drive bays

System Cooling


- **Fans** 4x Cooling Fans

DIMM Sizes	<ul style="list-style-type: none"> 1GB, 2GB, 4GB, 8GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® 3420 chipset
SATA	<ul style="list-style-type: none"> 6x SATA (3 Gbps) RAID 0, 1, 5, 10 support (Windows) RAID 0, 1, 10 support (Linux)
IPMI	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 2x Intel® 82574L Gigabit Ethernet Controllers Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
VGA	<ul style="list-style-type: none"> Matrox G200eW 16MB DDR2
Super I/O	<ul style="list-style-type: none"> Winbond 83627DHG-P
Clock Generator	<ul style="list-style-type: none"> CK505
Expansion Slots	
PCI-Express	<ul style="list-style-type: none"> 1 (x16) PCI-E 2.0 slot via riser card
Input / Output	
Serial ATA	<ul style="list-style-type: none"> 4 SATA hard drives supported
LAN	<ul style="list-style-type: none"> 2x RJ45 LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2x USB rear ports 2x USB on-board 2x USB internal header (4 ports) Total 8 USB 2.0 Compliant
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 Port / Header	<ul style="list-style-type: none"> 1x Fast UART 16550 serial port 1x internal header
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 32Mb SPI Flash EEPROM with AMI BIOS
BIOS	<ul style="list-style-type: none"> DMI 2.3 PCI 2.2
Features	<ul style="list-style-type: none"> ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3

Power Supply	
280W AC power supply w/ PFC	
AC Voltage	<ul style="list-style-type: none"> 100 - 240V, 50 - 60Hz, 5Amp
+5V	<ul style="list-style-type: none"> 18 Amp
+5V standby	<ul style="list-style-type: none"> 2 Amp
+12V	<ul style="list-style-type: none"> 23Amp @ 100-140V, 27Amp @ 180-240V
-12V	<ul style="list-style-type: none"> 1.0 Amp
+3.3V	<ul style="list-style-type: none"> 15 Amp

PC Health Monitoring	
CPU	<ul style="list-style-type: none"> Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, Memory, Chipset Voltages. 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
FAN	<ul style="list-style-type: none"> Total of 5 fan headers supporting up to 5 fans Five 4-pin fan headers 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
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support FC temperature sensing logic Thermal Monitor 2 (TM2) support PECI
LED	<ul style="list-style-type: none"> CPU / System Overheat LED +5V Standby alert LED
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header

Operating Environment / Compliance

RoHS	 <ul style="list-style-type: none"> RoHS Compliant 6/6, Pb Free
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-X8SIE-F	1	Super X8SIE-F Motherboard
	CSE-813MTQ-280C	1	1U Chassis
Backplane	BPN-SAS-815TQ-O-P	1	BPN-SAS-815TQ-O-P
Cable 1	CBL-0157L	1	8pin to 8pin ribbon cable with tube for SGPIO, 40cm, PBF
Cable 2	CBL-0186L	1	SATA SET OF 4-56/45.5/35/23CM ROUND S-RA
Cable 3	CBL-0341L	1	1CH internal 10P to 4P USB 2.0 cable for LCD,DVD, 70cm
Peripheral Drive 1	CDM-USATA-G-O-P	1	mini-SATA to USB adapter for slim DVD
Peripheral Drive 2 ***	DVM-PNSC-DVD-SBT1	1	BLACK PANASONIC SLIM DVD ROM SATA DRIVE
Peripheral Drive 3 ***	DVM-TEAC-DVD-SBT1	1	BLACK TEAC SLIM DVD ROM SATA DRIVE ROHS

CD	CDR-X8-UP	1	DRIVER CD FOR X8 UP MOTHERBOARD
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PCI-E x16 output
Heatsink / Retention	SNK-P0046P	1	1U PASSIVE CPU HS FOR INTEL LGA1156
Power Supply	PWS-281-1H	1	AC TO DC HIGH EFFICIENCY 280W PWS
Cable 4	CBL-0049L	1	Front ctrl cable 16 PIN TO 16 PIN, LF, Flat (L=54cm)
Cable 5	CBL-0051L	1	ROUND FLOPPY CABLE 60CM FOR 5013S, LF
Fan 1	FAN-0061L4	4	40X28MM 4-PIN PWM FAN FOR SC813
Drive Tray(s)	MCP-220-00093-0B	4	Black 3.5
Mounting Rails	CSE-PT52	1 set	THIRD GENERATION GUIDE RAIL ASSY. Outer slides extendable length: 26" to 33.5"

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

Optional Parts List

	Part Number	Qty	Description
Front Bezel	CSE-PTFB-813	-	1U Front Bezel Cover

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