



SuperServer 5016I-NTF

Products ▶ Systems ▶ 1U ▶ [5016I-NTF]



Integrated Board



Super X8SIU-F

Key Features

1. Intel® Xeon® X3400 / L3400 series, Core™ i3 & Pentium® processors with LGA 1156 socket
2. Up to 32GB DDR3 1333/1066/800MHz ECC Registered DIMM or 16GB Unbuffered DIMM
3. Left Slot (Full-height / Full-length):
1 (x16) PCI-E 2.0 or 2 (x8)PCI-E 2.0
4. Right Slot: 1 (x8) PCI-E 2.0 slot
4. Dual Intel® 82574L Gigabit Ethernet Controllers
6. 4 x 3.5" Hot-swap SATA Drive Bays, For Customizable Storage
7. 330W Gold Level Power Supply

Available Colors:

Black



▶ [Drivers & Utilities](#) ▶ [BIOS](#) ▶ [IPMI](#) ▶ [Tested Memory](#) ▶ [Drive Options](#)

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

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

SYS-5016I-NTF ■ SuperServer 5016I-NTF (Black)

Motherboard

Super X8SIU-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 slots
 - Supports up to 32 GB DDR3 ECC Registered memory (RDIMM) in 6 DIMM slots
 - Supports up to 16 GB DDR3 ECC Unbuffered memory (UDIMM) in 4 DIMM slots
 - 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

Note

- All X3400 series and L3426 CPU support RDIMM and UDIMM
- All i3 series, L3406, G6950, and G1101 CPU support UDIMM only

Memory Type

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

DIMM Sizes

- 1GB, 2GB, 4GB, 8GB

Memory Voltage

- 1.5 V

Chassis

- Form Factor** ■ 1U Rackmount
- Model** ■ CSE-815TQ-330UB

Dimensions

- Height** ■ 1.7" (43mm)
- Width** ■ 17.2" (437mm)
- Depth** ■ 25.6" (650mm)
- Gross Weight** ■ 38 lbs (16.5kg)
- 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 LED
- Ports**
- 2x USB & DB9 COM port tray
 - (Optional - in place of floppy drive)

Expansion Slots

- PCI-Express**
- 1 (x16) PCI-E 2.0 slot or 2 (x8)PCI-E 2.0 slots (Left Slot)
 - 1 (x8) PCI-E 2.0 (Low-Profile - 5.6" depth) (Right Slot)
 - I/O AOC Compatibility Matrix

Drive Bays

- Hot-swap** ■ 4x 3.5" SAS / SATA Hot-swap drive trays

Peripheral Drives

- DVD-ROM** ■ Slim 8x DVD, 24x CD, DVD-ROM drive

Backplane

- SAS/SATA HDD Backplane
(SAS support requires optional SAS controller)

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"> Dual 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"> Nuvoton W83627DHG UBE
Clock Generator	<ul style="list-style-type: none"> CK505
Input / Output	
Serial ATA	<ul style="list-style-type: none"> 6 SATA ports 6 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 1x USB Type-A 2x USB internal header (4 ports) Total 7 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 Cooling	
Fans	<ul style="list-style-type: none"> 3x Cooling Fans
Power Supply	
330W AC power supply w/ PFC	
AC Voltage	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 4.5 Amp max
+5V	<ul style="list-style-type: none"> 18 Amp
+5V standby	<ul style="list-style-type: none"> 3 Amp
+12V	<ul style="list-style-type: none"> 27 Amp @ 100-180Vac, 31 Amp @ 180-240 Vac
-12V	<ul style="list-style-type: none"> 0.5 Amp
+3.3V	<ul style="list-style-type: none"> 15 Amp
Certification	 Gold Certified [Test Report]
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 32Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> DMI 2.3 PCI 2.3 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
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-X8SIU-F	1	Super X8SIU-F Motherboard
	CSE-815TQ-330UB	1	1U Chassis
Backplane	BPN-SAS-815TQ	1	4-port 1U TQ backplane (W/ enclosure management), support up to 4x 3.5-inch SAS/SATA HDD
Cable 1	CBL-0157L	1	8PIN TO 8PIN RIBBON CABLE FOR SGPIO, PB FREE
Cable 2	CBL-0226L	1	43CM SATA ROUND S-RA PBF
Cable 3	CBL-0227L	1	48CM SATA ROUND S-RA PBF
Cable 4	CBL-0228L	1	55CM SATA ROUND S-RA PBF
Cable 5	CBL-0230L	1	65CM SATA ROUND S-RA PBF
Cable 6	CBL-0341L	1	70CM, INTERNAL USB CABLE FOR SLIM USB DVD ROM
Adapter 1	CDM-USATA-G	1	mini-SATA to USB adapter for slim DVD
Peripheral Drive ***	DVM-PNSC-DVD-SBT1	1	BLACK PANASONIC SLIM DVD ROM SATA DRIVE
Peripheral Drive ***	DVM-TEAC-DVD-SBT4	1	(EOL) BLACK TEAC SLIM DVD ROM SATA DRIVE, HF, RoHS/REACH
CD	CDR-X8-UP	1	DRIVER CD FOR X8 UP MOTHERBOARD
Riser Card	RSC-R1UU-2E8	1	RISER CARD RSC-R1UU-2E8
Riser Card	RSC-R1UU-E8R+	1	RSC-R1UU-E8R+ REV 1.00, PBF
Heatsink / Retention	SNK-P0046P	1	1U PASSIVE CPU HS FOR INTEL LGA1156

Optional Parts List

	Part Number	Qty	Description
UIO Controller Card(s)	-	-	Please refer to our UIO Add-on Card Table

Note: *** Only 1 drive is included, these items (***) are interchangeable. CDM-SATA w/ CBL-0061L and CDM-USATA-G w/ CBL-0341L

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