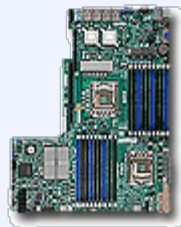


SuperServer 6016T-NTRF4+



Integrated Board



Super X8DTU-LN4F+

Available Colors:

Black



Key Features

1. Intel® Xeon® processor 5600/5500 series, with QPI up to 6.4 GT/s
2. Up to 192GB DDR3 1333/ 1066/ 800MHz ECC Registered DIMM / 48GB 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 (Low-Profile - 5.6" depth):
1 (x8) PCI-E 2.0 slot
5. 2x Intel® 82576 Dual-Port Gigabit Ethernet Controllers (4 ports)
6. 4 x 3.5" Hot-swap SATA Drive Bays, For Customizable Storage
7. 700W Gold-Level Redundant Power Supply

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► [BIOS](#)

► [Tested Memory List](#)

► [Tested HDD List](#)

Specifications

Product SKUs

SYS-6016T-NTRF4+

- SuperServer 6016T-NTRF4+ (Black)

Motherboard

Super X8DTU-LN4F+

Processor/Cache

- Dual 1366-pin LGA Sockets
- Supports up to two **Intel® 64-bit Xeon®** processor(s) of the same type below:

CPU

- **Intel® Xeon® Processor X5600/E5600/L5600 Series (Westmere) 40W - 130W**
- **Intel® Xeon® Processor X5500/E5500/L5500 Series (Nehalem-EP) 38W - 95W**

Chassis

Form Factor

- 1U Rackmount

Model

- **CSE-819TQ-R700UB**

Dimensions

Height

- 1.7" (43mm)

Width

- 17.2" (437mm)

Depth

- 27.75" (705mm)

Gross Weight

- 43 lbs (19.45 kg)

Available Colors

- Black

Front Panel

Buttons

- Power On/Off Button
- System Reset Button
- UID Button

LEDs

- Power LED
- Hard drive activity LED
- 2x Network activity LEDs

QPI	up to 6.4 GT/s
System Memory	
Memory Capacity	18x 240-pin DIMM sockets - Supports up to 192 GB 1333 / 1066 / 800MHz DDR3 ECC Registered memory - Supports up to 48 GB 1333 / 1066 / 800MHz DDR3 ECC / Non ECC Unbuffered memory - Memory Mirroring supported
Memory Type	1333 / 1066 / 800MHz ECC Registered / ECC or Non ECC Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	1GB, 2GB, 4GB , 8GB , 16GB
Memory Voltage	1.5 V / 1.35V
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory) - Supports Intel® x4 and x8 Single Device Data Correction (SDDC)
On-Board Devices	
Chipset	- Intel® 5520 (Tylersburg) chipset - ICH10R
SATA	- Intel ICH10R SATA 3.0Gbps Controller - RAID 0, 1, 5, 10 support
IPMI	- Support for Intelligent Platform Management Interface v.2.0 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support - Winbond® WPCM450 BMC
Network Controllers	2x Intel® 82576 Dual-Port Gigabit Ethernet Controllers (4 ports) - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output Intel® I/OAT 3 support for fast, scalable, and reliable networking VMDq support for better performance of virtualization 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics	Matrox G200eW
Super I/O	Winbond 83827HF chip
Input / Output	
Serial ATA	- Six Serial ATA ports - Six SATA hard drives supported
LAN	4x RJ45 LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	2x USB rear ports 1x USB on-board 4x USB internal headers - Total 7 USB 2.0 Compliant
VGA	1x VGA Port
Keyboard / Mouse	PS/2 keyboard and mouse ports
Serial Port / Header	1 Fast UART 16550 serial port 1 Fast UART 16550 serial header (Option)

- System Overheat LED - Universal Information (UID) LED	
Expansion Slots	
Left Slot	1 (x16) PCI-E 2.0 slot 2 (x8)PCI-E 2.0 slots
Right Slot	1 (x8) PCI-E 2.0 (Low-Profile - 5.6" depth)
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
SAS/SATA Backplane	
1U SAS / SATA Backplane w/ SES2 Enclosure Management	
System Cooling	
Fans	5x Cooling Fans
Shroud	1x Air Shroud
Power Supply	
700W/750W Redundant AC-DC high-efficiency power supply with PMBus and I2C	
AC Input	700W: 100-140 V, 50-60 Hz, 8.5-6 Amp 750W: 180-240 V, 60-50 Hz, 5-3.8 Amp
DC Output +5V standby	3 Amp
DC Output +12V	700W: 58 Amp @ 100-140V 750W: 62 Amp @ 180-240V
With Power Distributor	+5V: 25 Amp +3.3V: 25 Amp -12V: 0.6 Amp
Certification	 80PLUS Gold Certified
System BIOS	
BIOS Type	32Mb SPI Flash EEPROM with AMI® BIOS
BIOS Features	- Plug and Play (PnP) - PCI 2.2 - ACPI up to 3.0 - USB Keyboard support
Operating Environment / Compliance	
RoHS	RoHS Compliant
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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X8DTU-LN4F+	1	Super X8DTU-LN4F+ Motherboard
	CSE-819TQ-R700UB	1	1U Chassis
Air Shroud	MCP-310-81901-0B	1	Mylar air shroud for SC819, X8DTU+ MB
Backplane	BPN-SAS-815TQ	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-0190L	1	SATA SET OF 4-43/33/26/22CM ROUND S-S, PBF
Cable 3	CBL-0341L	1	70CM, INTERNAL USB CABLE FOR SLIM USB DVD ROM
Adapter 1	CDM-USATA-G-O-P	1	mini-SATA to USB adapter for slim DVD
Peripheral Drive ***	DVM-PNSC-DVD-SBT	1	Black slim SATA DVD, Panasonic
Peripheral Drive ***	DVM-TEAC-DVD-SBT	1	Black slim SATA DVD, TEAC
CD	CDR-X8	1	For X8 series
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-P0037P	2	1U PASSIVE CPU HS FOR INTEL LGA1366 (HTP)
Power Supply	PWS-703P-1R	2	1U REDUNDANT PWS 50MM W PMBUS GOLD EFFICIENCY
Power Distributor	PDB-PT819-8824	1	SC819 24pin redundant PDB
Cable 4	CBL-0335L	1	FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,70CM,PBF
Fan 1	CSE-PT0100	1	CSE-PT0100 Dummy fan for 40x56 counter-rotating fan
Fan 2	FAN-0101L4	5	40x56,4 Pin PWM,Primary for SC809,111, Sec.for SC816,819,808
Drive Tray(s)	MCP-220-00075-0B	4	Black gen 5.5 hot-swap 3.5" HDD tray (w/ hollowed dummy)
Mounting Rails	MCP-290-00062-0N	1	Rail set, quick/quick, default for 819, 119

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