

SuperServer 6017R-N3RF4+



Available Colors:

Black



Key Features

1. Intel® Xeon® processor E5-2600 family; QPI up to 8GT/s
2. Up to 768GB DDR3 1600MHz* ECC Registered DIMM; 24x DIMM sockets
* Depends on memory configuration
3. 1 PCI-E 3.0 (x8) Low-profile, 1 PCI-E 3.0 (x16) & 1 PCI-E 3.0 (x8) Full-height slots (see below for details)
4. Intel® i350 GbE Controller; 4x ports
5. 4x Hot-swap 3.5" SAS/SATA HDD Bays Connected to onboard storage controller
6. 750/700W Redundant Power Supplies Gold Level Certified

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

Specifications

Product SKUs

SYS-6017R-N3RF4+	■ SuperServer 6017R-N3RF4+ (Black)
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Motherboard

Super X9DRW-3LN4F+

Processor/Cache

CPU	<ul style="list-style-type: none"> ■ Intel® Xeon® processor E5-2600 family (up to 130W TDP) ■ Dual Socket R (LGA 2011)
Cache	■ Up to 20MB
System Bus	■ QPI up to 8 GT/s

System Memory

Memory Capacity	<ul style="list-style-type: none"> ■ 24x 240-pin DDR3 DIMM sockets ■ Supports up to 768 GB DDR3 ECC Registered memory (RDIMM) in 24 DIMM sockets ■ Supports up to 192 GB DDR3 ECC Un-Buffered memory (UDIMM) in 24 DIMM sockets
Memory Type	■ 1600*/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

Chassis

Form Factor	■ 1U Rackmount
Model	■ CSE-819TQ-R700WB

Dimensions

Width	■ 17.2" (437mm)
Height	■ 1.7" (43mm)
Depth	■ 27.75" (705mm)
Gross Weight	■ 43 lbs (19.45kg)
Available Colors	■ Black

Front Panel

Buttons	<ul style="list-style-type: none"> ■ Power On/Off button ■ System Reset button ■ UID button
LEDs	<ul style="list-style-type: none"> ■ Power status LED ■ HDD activity LED ■ 2x Network activity LEDs ■ Universal Information (UID) LED

Expansion Slots

- 1 PCI-E 3.0 (x16) Full-height (10" length)
- 1 PCI-E 3.0 (x8) Full-height (6.6" length)

DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V, 1.35 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® C606 Chipset
SAS	<ul style="list-style-type: none"> SAS from C606 RAID 0, 1, 10 support
SATA	<ul style="list-style-type: none"> Via Cable for SATA controller SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1
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"> Intel® i350 Gigabit Ethernet Controller Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> Matrox G200eW

Input / Output

SAS	<ul style="list-style-type: none"> 4x SAS ports (3Gbps)
LAN	<ul style="list-style-type: none"> 4x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 7x USB 2.0 ports total (2x rear + 4x via header + 1x Type A)
VGA	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1x Fast UART 16550 port / 1 Header

- 1 PCI-E 3.0 (x8) Low-profile (4.1" length)

PCI-Express

- [UIO AOC Compatibility Matrix](#)

(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram and [AOC Support](#) for details.)

Drive Bays

- 4 Hot-swap 3.5" SAS / SATA HDD trays (connected to onboard storage - 4 SAS ports)

Peripheral Drives

- DVD-ROM
 - Slim DVD-ROM drive (optional)

Backplane

- 1x 1U SAS2 / SATA backplane

System Cooling

- Fans
 - 6x 4cm Counter-rotating PWM fans

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



[Gold Certified](#)

System BIOS

- BIOS Type
 - 128Mb SPI Flash EEPROM with AMI BIOS

- BIOS Features
 - Plug and Play (PnP)
 - APM 1.2
 - PCI 2.2
 - ACPI 1.0 / 2.0
 - USB Keyboard support
 - SMBIOS 2.3
 - UEFI

Operating Environment / Compliance

- RoHS
 - RoHS Compliant

- Environmental Spec.
 - Operating Temperature: 5°C to 35°C (41°F to 95°F)
 - Non-operating Temperature: -40°C to 60°C (-40°F to 140°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-X9DRW-3LN4F+	1	Super X9DRW-3LN4F+ Motherboard
	CSE-819TQ-R700WB	1	1U Chassis
Backplane	BPN-SAS-815TQ-O-P	1	BPN-SAS-815TQ-O-P
Cable 1	CBL-0388L-01	1	IPASS TO 4 SATA 75/75/90/90CM W/ 75cm SB. RA. 30AWG
Riser Card	RSC-R1UW-2E16-O-P	1	RSC-R1UW-2E16-O-P
Riser Card	RSC-R1UW-E8R-O-P	1	RSC-R1UW-E8R-O-P
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-703P-1R	2	1U REDUNDANT PWS 50MM W PMBUS GOLD EFFICIENCY 50MM
Rail Set	MCP-290-00062-0N	1 set	Rail set, quick/quick, default for 1U 17.2"W SC819,119

Optional Parts List

	Part Number	Qty	Description
Storage Controller Card(s) (PCI-E Only)	-	-	Please refer to our Storage Add-on Card Table
Network Card (PCI-E Only)	-	-	Please refer to our Network Add-on Card Table
DVD-ROM / DVD-RW	DVM-PNSC-DVD-SBT1 DVM-TEAC-DVD-SBT2 DVM-PLDS-DVDRW-SBT2 DVM-TEAC-DVDRW-SBT1	1	SLIM DVD-ROM / DVD-RW SATA DRIVE
DVD-ROM Accessory	MCP-220-81502-0N	1	Slim SATA DVD kit
Internal 2.5" HDD Tray (FDD Slot)	MCP-220-83601-0B	1	Black FDD dummy tray support 1x 2.5" slim HDD
Internal 2.5" HDD Tray (DVD Slot)	MCP-290-00036-0B	1	Black DVD dummy tray support 1x 2.5" HDD
USB/COM Port Tray (FDD Slot)	CSE-PT40L-B0	1	Black USB/COM port tray in slim FDD bay