

SuperServer 8028B-C0R3FT



Available Colors: Black

Key Features

1. Quad socket R1 (LGA 2011) supports Intel® Xeon® processor E7-8800 v3 / E7-4800 v3 family (18-Core), w/ QPI up to 9.6 GT/s; E7-8800 v2 / 4800 v2 family (15-Core), w/ QPI up to 8 GT/s
2. Up to 2TB DDR3 (64GB LRDIMM), up to 1600MHz; 32x DIMM slots
3. 2x PCI-E 3.0 x16 Low-profile slot; 2x PCI-E 3.0 x8 Low-profile slot
4. Intel® X540 Dual port 10GBase-T
5. I/O ports: 2x 10GBase-T, 1x Dedicated LAN for IPMI Remote Management, 1x VGA, 1x COM port, 3x USB 2.0
6. 6x 3.5" Hot-swap SAS2 Drive Bays; SAS2 via onboard LSI 3008
7. 3x 8cm Heavy Duty Fans w/ speed control
8. 1400W Redundant Digital PS Platinum Level (95%)

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

Specifications

Product SKUs

SYS-8028B-C0R3FT ■ SuperServer 8028B-C0R3FT (Black)

Motherboard

Super X10QBL-CT

Processor/Cache

CPU ■ Intel® Xeon® processor E7-8800 v3* / E7-4800 v3* / E7-8800 v2 / E7-4800 v2 family (up to 18 Cores and 165W TDP)
 ■ Quad Socket R1 (LGA 2011)

Cache ■ Up to 45 MB

System Bus ■ QPI up to 9.6 GT/s

Note: ■ E7-48XX/88XX v3 family requires Rev. 2.0x or above mother board w/ Jordan Creek II

System Memory

Memory ■ 32x 240-pin DDR3 DIMM slots

Chassis

Form Factor ■ 2U Rackmount

Model ■ CSE-828TQ-R1K43LPB

Dimensions

Height ■ 3.5" (89mm)

Width ■ 17.2" (437mm)

Depth ■ 27.9" (709mm)

Weight ■ Net Weight: 40 lbs (18.1 kg)
 ■ Gross Weight: 66.5 lbs (30.2 kg)

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

Expansion Slots

Capacity	<ul style="list-style-type: none"> Supports up to 2TB DDR3 ECC LRDIMM in 32 DIMM slots
Memory Type	<ul style="list-style-type: none"> 1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	<ul style="list-style-type: none"> 64GB, 32GB, 16GB, 8GB, 4GB
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® C602J chipset
SAS	<ul style="list-style-type: none"> SAS2 (6Gbps) Backplane via LSI® 3008 controller
SATA	<ul style="list-style-type: none"> SATA2 (3Gbps) with RAID 0, 1, 5, 10 SATA3 (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 ASPEED AST2400 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® X540 Dual Port 10GBase-T Virtual Machine Device Queues reduce I/O overhead Supports 10GBase-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201F PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> ASPEED AST2400 BMC

Input / Output

SAS	<ul style="list-style-type: none"> 8x SAS2 ports (6Gbps)
LAN	<ul style="list-style-type: none"> 2x RJ45 10GBase-T ports 1x dedicated LAN port for IPMI
USB	<ul style="list-style-type: none"> 3x USB 2.0 rear ports
Video	<ul style="list-style-type: none"> 1x VGA Port
Serial Port / Header	<ul style="list-style-type: none"> 1 Fast UART 16550 serial port

System BIOS

BIOS Type	<ul style="list-style-type: none"> 16MB SPI Flash EEPROM with AMI® BIOS
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) PCI 2.2 ACPI up to 3.0 USB Keyboard support

PCI-Express	<ul style="list-style-type: none"> 2x PCI-E 3.0 x16 Low-profile slot 2x PCI-E 3.0 x8 Low-profile slot
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Drive Bays

Hot-swap	<ul style="list-style-type: none"> 6x 3.5" Hot-swap Drive Bays
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Backplane

SAS/SATA HDD Backplane	
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Peripheral Drives

DVD-ROM	<ul style="list-style-type: none"> 1x Slim DVD-ROM (Optional)
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System Cooling

Fans	<ul style="list-style-type: none"> 3x 8cm Hot-swap Cooling fans
Shroud	<ul style="list-style-type: none"> 1x Air Shroud

Power Supply

Redundant 1400W High-efficiency AC power supply with Digital Switching Control & PMBus 1.2

AC Voltage	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 15 Amp max
+12V	<ul style="list-style-type: none"> 100 Amp/115 Vac 117 Amp/230 Vac
With Power Distributor	<ul style="list-style-type: none"> +5V: 30 Amp +3.3V: 25 Amp -12V: 0.6 Amp

Certification



[Platinum Certified](#)

PC Health Monitoring

CPU	<ul style="list-style-type: none"> Monitors for CPU Cores, +1.2V, 1.5V, +3.3V, +12V, (+3V, 1.0V, 1.2V, 1.8V, 1.1V) Standby, VBAT, Memory, Chipset Voltages. 4-Phase-switching voltage regulator with auto-sense from 0.6V-1.35V
FAN	<ul style="list-style-type: none"> 4-pin fan headers with tachometer status monitoring Low noise fan speed control mode
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and system environment Thermal Control for 10x fan connectors
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection

Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F 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-X10QBL-CT	1	Super X10QBL-CT Motherboard
	CSE-828TQ-R1K43LPB	1	CSE-828TQ-R1K43LPB 2U Chassis
Air Shroud	MCP-310-82806-0B	1	Mylar air shroud for SC828 (X10QBL-(CT)),RoHS/REACH
Backplane	BPN-SAS-828TQ	1	Sup 6x SAS/SATA hdd; SATA con
Cable 1	CBL-SAST-0556	2	internal mini SAS HD to 4 SATA, 75/75/90/90cm w/75cm SB, S. 30AWG,HF,RoHS/REACH,PBF
Heatsink / Retention	SNK-P0048PS	4	2U Passive CPU Heat Sink for X9, X10 Generation Systems Equipped w/ a Narrow ILM MB

Optional Parts List

	Part Number	Qty	Description
2.5" HDD/SSD Tray	MCP-220-00043-0N	-	Black hotswap gen 4 3.5 to 2.5 HDD tray
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)