

SuperServer 8028B-C0R4FT



Integrated Board



Super X10QBL-4CT

Available Colors:

Black



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

Key Features

1. Quad socket R1 (LGA 2011) supports Intel® Xeon® processor E7-8800 v4/v3, E7-4800 v4/v3 family (up to 24-Core)
2. Up to 4TB DDR4 (128GB 3DS LRDIMM), up to 1866MHz; 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 Broadcom 3008
7. 3x 8cm Heavy Duty Fans w/ speed control
8. 1400W Redundant Digital PS **Platinum Level (95%)**

Specifications

Product SKUs

SYS-8028B-C0R4FT	■ SuperServer 8028B-C0R4FT (Black)
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Motherboard

Super X10QBL-4CT

Processor/Cache

CPU	■ Intel® Xeon® processor E7-8800 v4/v3, E7-4800 v4/v3 family (up to 24 Cores and 165W TDP) ■ Quad Socket R1 (LGA 2011)
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Cache	■ Up to 60 MB
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System Bus	■ QPI up to 9.6 GT/s
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System Memory

Memory Capacity	■ 32x 288-pin DDR4 DIMM slots ■ Supports up to 4TB DDR4 ECC 3DS LRDIMM in 32 DIMM slots
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Memory Type	■ 1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin gold-plated DIMMs
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DIMM Sizes	■ 128GB, 64GB, 32GB, 16GB, 8GB, 4GB
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Memory Voltage	■ 1.2 V
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Error Detection	■ Corrects single-bit errors
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On-Board Devices

Chipset	■ Intel® C602J chipset
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SAS	■ SAS2 (6Gbps) Backplane via Broadcom 3008 controller
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SATA	■ SATA2 (3Gbps) with RAID 0, 1, 5, 10 ■ SATA3 (6Gbps) with RAID 0, 1
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IPMI	■ 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
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Network Controllers	■ 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)
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Graphics	■ ASPEED AST2400 BMC
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Input / Output

SAS	■ 8x SAS2 ports (6Gbps)
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LAN	■ 2x RJ45 10GBase-T ports ■ 1x dedicated LAN port for IPMI
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USB	■ 3x USB 2.0 rear ports
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Video	■ 1x VGA Port
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Serial Port / Header	■ 1 Fast UART 16550 serial port
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System BIOS

Chassis

Form Factor	■ 2U Rackmount
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Model	■ CSE-828TQ-R1K43LPB
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Dimensions

Height	■ 3.5" (89mm)
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Width	■ 17.2" (437mm)
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Depth	■ 27.9" (709mm)
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Weight	■ Net Weight: 40 lbs (18.1 kg) ■ Gross Weight: 66.5 lbs (30.2 kg)
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Available Colors	■ Black
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Front Panel

Buttons	■ Power On/Off button ■ System Reset button
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LEDs	■ Power LED ■ Hard drive activity LED ■ 2x Network activity LEDs ■ System Overheat LED
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Expansion Slots

PCI-Express	■ 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	■ 6x 3.5" Hot-swap Drive Bays
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Backplane

SAS/SATA HDD Backplane

Peripheral Drives

DVD-ROM	■ 1x Slim DVD-ROM (Optional)
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System Cooling

Fans	■ 3x 8cm Hot-swap Cooling fans
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Shroud	■ 1x Air Shroud
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Power Supply

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

AC Voltage	■ 100-240 V, 50-60 Hz, 15 Amp max
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+12V	■ 100 Amp/115 Vac ■ 117 Amp/230 Vac
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With Power Distributor	■ +5V: 30 Amp ■ +3.3V: 25 Amp ■ -12V: 0.6 Amp
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Certification



Platinum Certified

PC Health Monitoring

BIOS Type	<ul style="list-style-type: none"> 128MB SPI Flash EEPROM with AMI® BIOS 	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
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) PCI 2.2 ACPI up to 3.0 USB Keyboard support 	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)

Список деталей

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X10QBL-4CT	1	Super X10QBL-4CT 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	6-port 2U CSE-828 TQ (W/ AMI 9072) backplane, support up to 6x 3.5-inch SAS/SATA HDD
Cable 1	CBL-SAST-0556	2	MINI SAS HD-4 SATA,6G,INT,90/90,ST 75/75CM,75CM SB,30AWG
Label	LBL-0108	1	CAUTION LABEL FOR REDUNDANT PWR SYSTEMS
Parts	MCP-260-00088-0N	1	Standard I/O shield for X10QBL-CT with EMI Gasket,RoHS/REACH
Heatsink / Retention	SNK-P0048PS	4	2U Passive CPU Heat Sink for X9, X10 Generation Systems Equipped w/ a Narrow ILM MB
Power Supply	PWS-1K43F-1R	2	1400W redundant digital power supply

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 • eStore	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)