

SuperServer 8048B-TR3F



Integrated Board



Super X10QBL

Views: | [Angled View](#) | [Front View](#) | [Rear View](#) |

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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 2TB DDR3 (64GB LRDIMM), up to 1600MHz; 32x DIMM slots
3. 2x PCI-E 3.0 x16 FH slot;
2x PCI-E 3.0 x8 FH slot
4. Intel® i350 Dual port GbE LAN
5. I/O ports: 2x GbE LAN, 1x Dedicated LAN for IPMI Remote Management, 1x VGA, 1x COM port, 3x USB 2.0
6. 5x 3.5" Hot-swap SATA Drive Bays
7. 3x 9cm + 3x 8cm Heavy Duty fans with speed control
8. 1400W Redundant Digital PS
Platinum Level (95%)

Specifications

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

SYS-8048B-TR3F SuperServer 8048B-TR3F (Black)

Motherboard

Super X10QBL

Processor/Cache

CPU	<ul style="list-style-type: none">Intel® Xeon® processor E7-8800 v4/v3*, E7-4800 v4/v3* family (up to 24 Cores and 165W TDP)Quad Socket R1 (LGA 2011)
Cache	<ul style="list-style-type: none">Up to 60 MB
System Bus	<ul style="list-style-type: none">QPI up to 9.6 GT/s
Note:	<ul style="list-style-type: none">E7-48XX/88XX v4/v3 family or above requires Rev. 2.0x or above motherboard w/ Jordan Creek II

System Memory

Memory Capacity	<ul style="list-style-type: none">32x 240-pin DDR3 DIMM slotsSupports up to 2TB DDR3, ECC Registered memory (RDIMM/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 errorsDetects double-bit errors (using ECC memory)

On-Board Devices

Chipset	<ul style="list-style-type: none">Intel® C602J chipset
SATA	<ul style="list-style-type: none">SATA2 (3Gbps) with RAID 0, 1, 5, 10SATA3 (6Gbps) with RAID 0, 1
IPMI	<ul style="list-style-type: none">Support for Intelligent Platform Management Interface v.2.0IPMI 2.0 with virtual media over LAN and KVM-over-LAN supportASPEED AST2400 BMC
Network Controllers	<ul style="list-style-type: none">Intel® i350 Dual port GbE LANVirtual Machine Device Queues reduce I/O overheadSupports 10Base-T, 100BASE-TX, and 1000BASE-T, RJ45 output1x Realtek RTL8201F PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none">ASPEED 2400

Input / Output

SATA	<ul style="list-style-type: none">2x SATA3 (6Gbps) ports4x SATA2 (3Gbps) ports
LAN	<ul style="list-style-type: none">2x RJ45 Gigabit Ethernet LAN ports1x dedicated LAN port for IPMI on AOM
USB	<ul style="list-style-type: none">3x USB 2.0 rear ports

Chassis

Form Factor	<ul style="list-style-type: none">4U Rackmount/Tower
Model	<ul style="list-style-type: none">CSE-748TQ-R1K43B

Dimensions and Weight

Height	<ul style="list-style-type: none">18.2" (462mm)
Width	<ul style="list-style-type: none">7.0" (178mm)
Depth	<ul style="list-style-type: none">28.4" (721mm)
Weight	<ul style="list-style-type: none">Net Weight: 65.5 lbs (29.7 kg)Gross Weight: 86.0 lbs (39.0 kg)
Available Colors	<ul style="list-style-type: none">Black

Drive Bays

Hot-swap	<ul style="list-style-type: none">5x 3.5" Hot-swap Drive Bays
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Expansion Slots

PCI-Express	<ul style="list-style-type: none">2x PCI-E 3.0 x16 Full-height slot2x PCI-E 3.0 x8 Full-height slot
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Backplane

SAS/SATA HDD Backplane

System Cooling

Fans	<ul style="list-style-type: none">3x 9cm Heavy Duty fans with speed controlCooling Fans3x 8cm Heavy Duty fans with speed controlCooling Fans
Shrouds	<ul style="list-style-type: none">1x Air Shroud (MCP-310-74806-0B)

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 Vac117 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 monitoringLow noise fan speed control mode

Serial Port / Header	■ 2x Fast UART 16550 ports: 1 rear and 1 header
DOM	■ 2x DOM (Disk on Module) power connectors

System BIOS

BIOS Type	■ 16MB SPI Flash EEPROM with AMI® BIOS
BIOS Features	■ Plug and Play (PnP) ■ PCI 2.2 ■ ACPI up to 3.0 ■ USB Keyboard support

Temperature	■ Monitoring for CPU and system environment ■ Thermal Control for 9x fan connectors
Other Features	■ Chassis intrusion detection

Operating Environment / Compliance

RoHS	■ RoHS Compliant
Environmental Spec.	■ 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
Chassis	CSE-748TQ-R1K43B	1	CSE-748TQ-R1K43B Chassis
Motherboard	X10QBL	1	Super X10QBL Motherboard
Air Shroud	MCP-310-74806-0B	1	Mylar air shroud for SC748 (X10QBL-CT),RoHS/REACH
Backplane	CSE-SAS-M35TQ	1	M35 SAS BACKPLANE W/AMI MG9072
Cable 1	CBL-0044L	5	SATA,INT,FLAT,57.7CM,26AWG
Cable 2	CBL-0157L-01	2	CBL,SGPIO,2X4F TO 2X4F,P2.54,RIBBON IN RND TUBE,60CM,28AWG
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
Mobile Rack	CSE-M35TQ	1	SAS2 5x 3.5" HDD
	CSE-M28SACB-OEM	1	SAS3 8x 2.5" HDD
Tray	MCP-220-00010-01	1	Black 5.25" tray
Mounting Rails	MCP-290-00059-0B	1	26.5" to 36.4" rail set + handles, Quick Release for 4U 17.2"W tower
	MCP-290-00058-0N	1	Short rail set, quick/quick, optional for 2~4U 17.2" W
Software	SFT-OOB-LIC • eStore	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)