

Specifications

Product SKUs

SYS-7049P-TR	SuperServer 7049P-TR (Black)
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Motherboard

<u>Super X11DPI-N</u>

Processor/Cache

CPU	- Dual Socket P (LGA 3647) - Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s - Support CPU TDP 70-205W
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Cores	Up to 28 Cores with Intel® HT Technology
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System Memory

Memory Capacity	16 DIMM slots - Up to 2TB ECC 3DS LRDIMM, 512GB ECC RDIMM, DDR4 up to 2666MHz
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Memory Type	2666/2400/2133MHz ECC DDR4 SDRAM
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On-Board Devices

Chipset	Intel® C621 chipset
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SATA	SATA3 (6Gbps); RAID 0, 1, 5, 10
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Network Controllers	Dual 1GbE LAN with Intel® X722
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Chassis

Form Factor	4U Rackmountable / Tower - Optional Rackmount Kit
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Model	<u>CSE-745BAC-R1K28B2</u>
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Dimensions and Weight

Height	17.8" (452mm)
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Width	7.0" (178mm)
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Depth	25.5" (648mm)
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Package	24" (H) x 14" (W) x 26.5" (D)
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Weight	- Net Weight: 56 lbs (25.6 kg) - Gross Weight: 73.5 lbs (33.6 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 - Network activity LEDs - System Information LED - Power Fail LED
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Ports	2 USB Ports
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Expansion Slots

IPMI	- Support for Intelligent Platform Management Interface v.2.0 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
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Video	ASPEED AST2500 BMC
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Input / Output

SATA	8 SATA3 (6Gbps) ports
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LAN	2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port
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USB	- Rear USB: 2 USB 3.0 + 2 USB 2.0 - Front USB: 2 USB 2.0 - USB Header: 1 Type A
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Video	1 VGA port
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Serial Port / Header	2 Fast UART 16550 serial 2 COM Ports (1 rear, 1 header)
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DOM	2 SuperDOM (Disk on Module) ports
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System BIOS

BIOS Type	AMI UEFI
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Management

Software	- Intel® Node Manager IPMI 2.0 - KVM with dedicated LAN - NMI SSM, SPM, SUM
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PCI-Express	4 PCI-E 3.0 x16 slots 2 PCI-E 3.0 x8 slots - Support total of 6 Full-height AOC
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Drive Bays

Hot-swap	8 Hot-swap 3.5" SATA3 drive bays
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Peripheral Bays	3 Peripheral 5.25" drive bays
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SAS / SATA Backplane

SAS / SATA Hard Drive Backplane w/AMI MG9072
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System Cooling

Fans	3x 80mm high-performance fans 2x 80mm PWM Rear Chassis fans
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Power Supply

1280W Redundant High-efficiency Digital Power Supplies w/ PMBus 1.2

AC Input	1000W Output @ 100-140V, 8-12A, 50-60Hz 1280W Output @ 180-240V, 6-8A, 50-60Hz
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DC Output	1000W: +12V/83A; +5Vsb/4A 1280W: +12V/106.7A, +5Vsb/4A
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Certification	  Platinum Certified [Test Report]
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Operating Environment

RoHS	RoHS Compliant
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- [SuperDoctor® 5](#)

Power Configurations

- ACPI Power Management

PC Health Monitoring

CPU

- Monitors for CPU Cores, Chipset Voltages, Memory.
- 4+1 Phase-switching voltage regulator

FAN

- Fans with tachometer monitoring
- Status monitor for speed control
- Pulse Width Modulated (PWM) fan connectors

Temperature

- Monitoring for CPU and chassis environment
 - Thermal Control for fan connectors
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Environmental Spec.

- Operating Temperature: 10°C ~ 35°C (50°F ~ 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)
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