



# SuperServer 7049P-TR

Products ▶ Systems ▶ 4U ▶ [ 7049P-TR ]



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



## Key Features

### • Cost Effective

1. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors
2. Up to 2TB ECC 3DS LRDIMM, up to DDR4-2666MHz; 16 DIMM slots
3. 4 PCI-E 3.0 x16, 2 PCI-E 3.0 x8 slots
4. 8 Hot-swap 3.5" SATA3 drive bays; RAID 0, 1, 5, 10
5. Optional DVD-ROM drive, optional support: 2 fixed 2.5" NVMe/SSD/HDD, 1 M.2 support
6. **M.2 Interface:** PCI-E 3.0 x4  
**M.2 Form Factor:** 2260, 2280, 22110  
**M.2 Key:** M-Key
7. 3 Peripheral 5.25" bays
8. 2x 1GbE LAN ports with Intel® X722
9. 1280W Redundant Power Supplies **Platinum Level (94%)**

▶ [Drivers & Utilities](#) ▶ [BIOS](#) ▶ [IPMI](#) ▶ [Tested Memory](#)  
▶ [Tested M.2 List](#) ▶ [Manuals](#) ▶ [OS Certification Matrix](#) ▶ [Quick-References](#)  
▶ [Guide](#) ▶ [Drive Options](#) ▶ [Tested Network Card \(AOC\)](#)

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

## Specifications

### Product SKUs

**SYS-7049P-TR** ■ SuperServer 7049P-TR (Black)

### Motherboard

**Super X11DPi-N**

### Processor/Cache

**CPU** ■ Dual Socket P (LGA 3647)  
■ Intel® Xeon® Scalable Processors , Dual UPI up to 10.4GT/s  
■ Support CPU TDP 70-205W

**Cores** ■ Up to 28 Cores with Intel® HT Technology

### System Memory

**Memory Capacity** ■ 16 DIMM slots  
■ Up to 2TB 3DS ECC L/RDIMM, up to DDR4-2666MHz

**Memory Type** ■ 2666/2400/2133MHz ECC DDR4 RDIMM/LRDIMM

### On-Board Devices

**Chipset** ■ Intel® C621 chipset

**SATA** ■ SATA3 (6Gbps); RAID 0, 1, 5, 10

**Network Controllers** ■ Dual 1GbE LAN with Intel® X722

**IPMI** ■ Support for Intelligent Platform Management Interface v.2.0  
■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

### Chassis

**Form Factor** ■ 4U Rackmountable / Tower  
■ Optional Rackmount Kit

**Model** ■ CSE-745BAC-R1K28B2

### Dimensions and Weight

**Height** ■ 17.8" (452mm)

**Width** ■ 7.0" (178mm)

**Depth** ■ 25.5" (648mm)

**Package** ■ 24" (H) x 14" (W) x 26.5" (D)

**Weight** ■ Net Weight: 56 lbs (25.6 kg)  
■ Gross Weight: 73.5 lbs (33.6 kg)

**Available Colors** ■ Black

### Front Panel

**Buttons** ■ Power On/Off button  
■ System Reset button

**LEDs** ■ Power LED  
■ Hard drive activity LED  
■ Network activity LEDs  
■ System Information LED  
■ Power Fail LED



**Ports** ■ 2 USB Ports

### Expansion Slots

**PCI-Express** ■ 4 PCI-E 3.0 x16 slots  
■ 2 PCI-E 3.0 x8 slots  
■ Support total of 6 Full-height AOC

### Drive Bays

<b>Video</b>	■ ASPEED AST2500 BMC
<b>Input / Output</b>	
<b>SATA</b>	■ 8 SATA3 (6Gbps) ports
<b>LAN</b>	■ 2 RJ45 Gigabit Ethernet LAN ports ■ 1 RJ45 Dedicated IPMI LAN port
<b>USB</b>	■ Rear USB: 2 USB 3.0 + 2 USB 2.0 ■ Front USB: 2 USB 2.0 ■ USB Header: 1 Type A
<b>Video</b>	■ 1 VGA port
<b>Serial Port / Header</b>	■ 2 Fast UART 16550 serial ■ 2 COM Ports (1 rear, 1 header)
<b>DOM</b>	■ 2 SuperDOM (Disk on Module) ports
<b>System BIOS</b>	
<b>BIOS Type</b>	■ AMI UEFI
<b>Management</b>	
<b>Software</b>	■ Intel® Node Manager ■ IPMI 2.0 ■ KVM with dedicated LAN ■ NMI ■ SSM, SPM, SUM ■ SuperDoctor® 5
<b>Power Configurations</b>	■ ACPI Power Management
<b>PC Health Monitoring</b>	
<b>CPU</b>	■ Monitors for CPU Cores, Chipset Voltages, Memory. ■ 4+1 Phase-switching voltage regulator
<b>FAN</b>	■ Fans with tachometer monitoring ■ Status monitor for speed control ■ Pulse Width Modulated (PWM) fan connectors
<b>Temperature</b>	■ Monitoring for CPU and chassis environment ■ Thermal Control for fan connectors

<b>Hot-swap</b>	■ 8 Hot-swap 3.5" SATA3 drive bays
<b>Peripheral Bays</b>	■ 3 Peripheral 5.25" drive bays
<b>SAS / SATA Backplane</b>	
SAS / SATA Hard Drive Backplane w/AMI MG9072	
<b>System Cooling</b>	
<b>Fans</b>	■ 3x 80mm high-performance fans ■ 2x 80mm PWM Rear Chassis fans
<b>Power Supply</b>	
1280W Redundant High-efficiency Digital Power Supplies w/ PMBus 1.2	
<b>AC Input</b>	■ 1000W Output @ 100-140V, 8-12A, 50-60Hz ■ 1280W Output @ 180-240V, 6-8A, 50-60Hz
<b>DC Output</b>	■ 1000W: +12V/83A; +5Vsb/4A ■ 1280W: +12V/106.7A, +5Vsb/4A
<b>Certification</b>	  <b>Platinum Certified</b> <a href="#">[ Test Report ]</a>
<b>Operating Environment</b>	
<b>RoHS</b>	■ RoHS Compliant
<b>Environmental Spec.</b>	■ 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)

## Parts List

[See Parts List](#)

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