

# Twin SuperServer SYS-120TP-DC9TR



More details here

## Key Applications

High Performance Computing, Hyper-Converged Infrastructure, Big Data / Big Science,

## Key Features

- Dual Socket P+ (LGA-4189) 3rd Generation Intel® Xeon® Scalable Processors;
- Intel® C621A chipset;
- 16 DIMMs, Up to 4TB 3DS ECC DDR4-3200 LRDIMM/RDIMM;
- 1 PCIe 4.0 x16 (LP), 1 PCIe 4.0 x8 (with M.2 adapter installed for support 2 NVME up to 22x80 mm);
- Intel® X710 Dual port 10GBase-T LAN onboard;
- 4x 2.5" hot-swap SATA/SAS drive bays;
- 6 counter-rotating 4cm PWM fans with optimal fan speed control (Per System);
- Two 1000W redundant power supplies with PMBus;
- ASPEED AST2600 BMC, 2 USB, VGA, RoT; Broadcom® 3908 SAS (12Gbps); 4 slots per node; RAID 0, 1, 5, 6, 10 support.;



<b>Form Factor</b>	1U Rackmount Enclosure: 438 x 43 x 718mm (17.25" x 1.7" x 28.25") Package: 752 x 203 x 975mm (29.6" x 8" x 38.4")
<b>Processor</b>	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA 4189 (Socket P+) supported TDP up to 185W; 2 UPI (Please contact Supermicro Technical Support for supporting conditions of high power (TDP 150W and above) or high base frequency (3.0 GHz and above) processors.)
<b>System Memory</b>	16 DIMM slots Up to 4TB ECC RDIMM, DDR4-3200MHz
<b>Drive Bays</b>	4x 2.5" hot-swap SATA/SAS drive bays
<b>Expansion Slots</b>	1 PCIe 4.0 x16 LP slot(s)
<b>On-Board Devices</b>	Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT with Intel® X710-AT2 IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
<b>Input / Output</b>	LAN: 1 RJ45 Dedicated IPMI LAN port USB: 2 USB 3.0 port(s) (2 rear) Video: 1 VGA port(s) Others: M.2 2 NVME M.2 (up to 22x80 mm) support via installed SCC-P2N2M2-P2 and M.2 for OS boot only. For 22x110mm M.2 support, need add AOC-SLG3-2M2 or AOC-SLG3-2H8M2 per node.



System Cooling	6x 4cm heavy duty fan(s)
Power Supply	1U 800/1000W Redundant Power Supply 38mm Width Dimension (W x H x L): 38 x 40 x 360 mm Output Type: Gold Finger Connector
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; IPMI 2.0; Redfish API; Supermicro Out of Band (OOB) Software License Key (Included per Node)
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 5 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
Dimensions and Weight	Height: 1.7" (43 mm) Width: 17.25" (438 mm) Depth: 28.25" (718 mm) Gross Weight: 48.1 lbs (21.9 kg) Net Weight: 33.5 lbs (15.2 kg) Packaging: 8" (H) x 29.6" (W) x 38.4" (D) Available Color: Black front & silver body
Operating Environment	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)
Motherboard	<a href="#">Super X12DPT-PT6</a>
Chassis	CSE-809H-R1K05P3