

# Twin SuperServer SYS-120TP-DC9TR

1U 2-node TwinPro with 4 2.5" SAS/SATA drives per node and HW RAID



More details here

## Key Applications

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

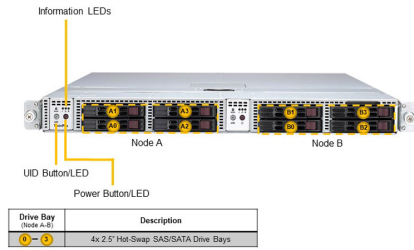
## Key Features

- Two **hot-pluggable** systems (nodes) in a 1U form factor. Each node supports the following;;
- 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.;

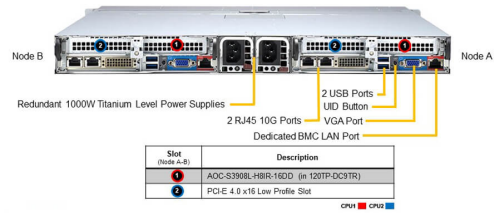


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|---------------------------------|---|
| <b>Form Factor</b>              | 1U Rackmount<br>Enclosure: 438 x 43 x 718mm (17.25" x 1.7" x 28.25")<br>Package: 752 x 203 x 975mm (29.6" x 8" x 38.4") |
| <b>Processor</b>                | Dual Socket P+ (LGA-4189)<br>3rd Gen Intel® Xeon® Scalable processors<br>Up to 32C/64T; Up to 48MB Cache per CPU        |
| <b>System Memory</b>            | Slot Count: 16 DIMM slots<br>Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM                                       |
| <b>Drive Bays Configuration</b> | Default: Total 4 bays<br>• 4 front hot-swap 2.5" SAS/SATA drive bays  |
| <b>Expansion Slots</b>          | Default<br>• 1 PCIe 4.0 x16 LP slot   |
| <b>On-Board Devices</b>         | Network Connectivity: 2 RJ45 10GBASE-T with Intel® X710-AT2<br>BMC: ASPEED AST2600 BMC                                  |
| <b>Input / Output</b>           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>USB: 2 USB 3.0 ports(rear)<br>Video: 1 VGA port                             |

(Front View – System)



(Rear View – System)



|                       |   |
|-----------------------|---|
| System Cooling        | Fans: Up to 6x 4cm heavy duty fans with optimal fan speed control<br>Air Shroud: 2 Air Shrouds  |
| Power Supply          | 1x 1000W Redundant Titanium Level (96%) power supply  |
| System BIOS           | BIOS Type: AMI 32MB SPI Flash EEPROM  |
| Management            | SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!  |
| PC Health Monitoring  | CPU: 5 Phase-switching voltage regulator<br>Monitors for CPU Cores, Chipset Voltages, Memory<br>Fan: Fans with tachometer monitoring<br>Pulse Width Modulated (PWM) fan connectors<br>Status monitor for speed control<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 48.1 lbs (21.9 kg)<br>Net Weight: 33.5 lbs (15.2 kg)<br>Available Color: Black front & silver body  |
| Operating Environment | Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)   |
| Motherboard           | <a href="#"><b>Super X12DPT-PT6</b></a>   |
| Chassis               | <b>CSE-809H-R1K05P3</b>   |