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,



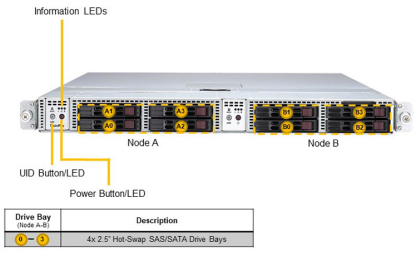
Key Features

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

Form Factor	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")
Processor	Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 32C/64T; Up to 48MB Cache per CPU
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM
Drive Bays Configuration	Default: Total 4 bays • 4 front hot-swap 2.5" SAS/SATA drive bays
Expansion Slots	Default • 1 PCIe 4.0 x16 LP slot
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2 RJ45 10GBASE-T with Intel® X710-AT2
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) Video: 1 VGA port

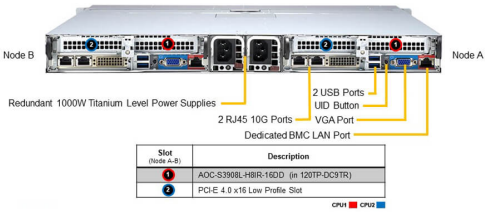
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(Front View – System)



Drive Bay (Node A-B)	Description
0 – 3	4x 2.5" Hot-Swap SAS/SATA Drive Bays

(Rear View – System)



Slot (Node A-B)	Description
1	AOC-S3908L-H8IR-16DD (in 120TP-DC9TR)
2	PCI-E 4.0 x16 Low Profile Slot

CPU1 CPU2

System Cooling	Fans: 6x 4cm heavy duty fans with optimal fan speed control 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; 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: 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	Weight: Gross Weight: 48.1 lbs (21.9 kg) Net Weight: 33.5 lbs (15.2 kg) 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	**Super X12DPT-PT6**
Chassis	**CSE-809H-R1K05P3**

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