Mainstream SuperServer SYS-740P-TR

Key Applications

Enterprise Server, Application and data serving, Model analysis, Compute Intensive Applications, Office environment,
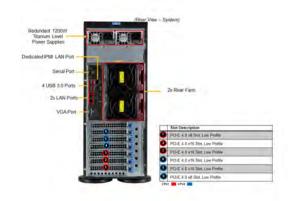
Key Features

- Dual sockets P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors;CPU TDP supports Up to 270W TDP;3 UPI up to 11.2 GT/s;
- Intel® C621A Chipset;
- Up to 4TB 3DS ECC RDIMM, DDR4-3200MHz, Up to 4TB 3DS ECC LRDIMM, DDR4-3200MHz ;- Up to 4TB Intel® Optane™ Persistent Memory 200 Series, DDR4-3200MHz, in 18 DIMM slots (P1-DIMMB2 and P2-DIMMB2 are reserved for Intel® Optane Persistent Memory 200 Series only);
- 4 PCIe 4.0 x16 Full Height (FH);2 PCIe 4.0 x8 Full Height (FH);

Form Factor	Tower/4U Rackmount Enclosure: 178 x 452 x 647mm (7" x 17.8" x 25.5") Package: 356 x 625 x 795mm (14" x 24.6" x 31.3")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W;
Drive Bays	8x 3.5" hot-swap SATA3 drive bays (8x 3.5" hot-swap SATA drive bays can be converted to 8x SAS drive bays by adding 1x AOC-S3108L-H8IR or AOC-S3108L-H8IR-16DD + 2x CBL-SAST-0531-01) 1 M.2 NVMe
Expansion Slots	2 PCIe 4.0 x8 Full-height slot(s) 4 PCIe 4.0 x16 Full-height slot(s)
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2x 1GbE port(s) IPMI: Support for Intelligent Platform Management Interface v.2.0 　　　IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 dedicated IPMI LAN port USB: 2 USB 2.0 port(s) (2 front) 　　　4 USB 3.0 port(s) (4 rear) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 2 SuperDOM (Disk on Module) port

System Cooling	3 (middle) and 2 (rear) heavy duty fans
Power Supply	1U, Redundancy, Titanium, Input: 100-127Vac, 200-240Vac, and 240Vdc, output: +12V/+5Vsb, PMBUS 1.2, (L)336x(W)76x(H)40 mm, EMI Class B, Dimension (W x H x L): 76 x 40 x 336 mm Output Type: Gold Finger (19 pair connector)
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; Redfish API; IPMI2.0; Supermicro Out of Band (OOB) License (included in the unit)

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

Dimensions and Weight	Height: 17.8" (452 mm) Width: 7" (178 mm) Depth: 25.5" (647 mm) Gross Weight: 73.5 lbs (33.9 kg) Net Weight: 56 lbs (25.9 kg) Packaging: 24.6" (H) x 14" (W) x 31.3" (D) Available Color: Black
Operating Environment	ROHS: RoHS Compliant 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 X12DPi-N6
Chassis	CSE-745BTS-R1K23BP