Mainstream SuperServer SYS-740P-TRT

4U tower server with 10G LAN for office and enterprise applications
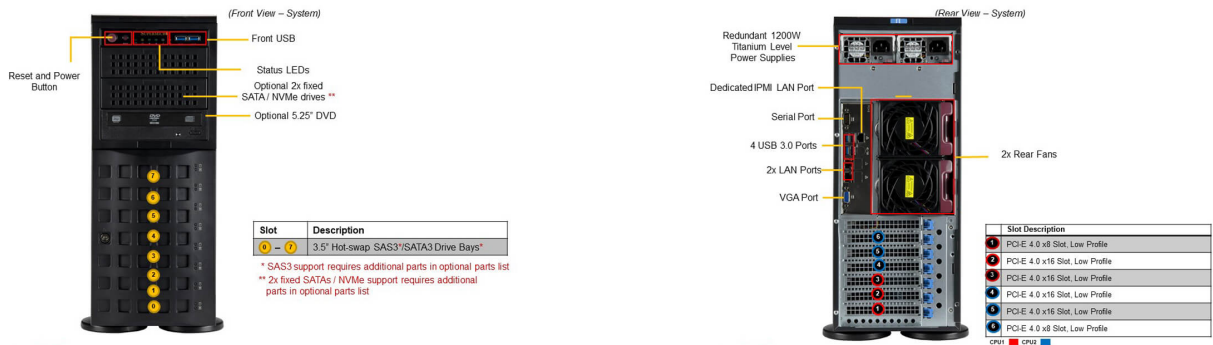
More details here

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;
- 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);
- Dual 10GBase-T LAN with Intel® X550 Ethernet Controller;
- Three 80mm high-performance 9.4K RPM Hot-swappable Middle Cooling Fans;Two 80mm 9.4K RPM Rear Exhaust Fans;1 air shroud;
- 1200W Redundant Power Supplies Titanium level 100-240Vac and 200-240 Vdc, Whisper-Quiet;
- 1 rear VGA, 1 Type A port, 1 COM Port (rear) and 6 USB ports (2 front USB 3.0 and 4 rear USB 3.0);

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	Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 36C/72T; Up to 60MB Cache per CPU
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM Supports Intel® Optane™ persistent memory 200 series
Drive Bays Configuration	Default: Total 8 bays • 8 front hot-swap 3.5" SAS*/SATA drive bays Option A: Total 10 bays • 8 front hot-swap 3.5" SAS*/SATA drive bays • 2 front fixed 3.5" NVMe*/SATA* drive bays (*NVMe/SAS/SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 1 M.2 NVMe slot (M-key) Peripheral Bays: 1 5.25" DVD bay (optional)
Expansion Slots	Default • 4 PCIe 4.0 x16 LP slots • 2 PCIe 4.0 x8 LP slots
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2 RJ45 10GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 2.0 ports(front) 4 USB 3.0 ports(rear) Video: 1 VGA port DOM: 2 SuperDOM (Disk on Module) ports

(Front View – System)

Front USB

Reset and Power
Button

Status LEDs

Optional 2x fixed
SATA / NVMe drives **

Optional 5.25" DVD

Slot	Description
0 – 7	3.5" Hot-swap SAS3*/SATA3 Drive Bays*

* SAS3 support requires additional parts in optional parts list

** 2x fixed SATAs / NVMe support requires additional
parts in optional parts list

(Rear View – System)

Redundant 1200W
Titanium Level
Power Supplies

Dedicated IPMI LAN Port

Serial Port

4 USB 3.0 Ports

2x LAN Ports

VGA Port

2x Rear Fans

Slot Description
1	PCI-E 4.0 x8 Slot, Low Profile
2	PCI-E 4.0 x16 Slot, Low Profile
3	PCI-E 4.0 x16 Slot, Low Profile
4	PCI-E 4.0 x16 Slot, Low Profile
5	PCI-E 4.0 x16 Slot, Low Profile
6	PCI-E 4.0 x8 Slot, Low Profile

CPU1 ■ CPU2 ■

System Cooling

Fans: Up to 3 middle Fan(s)
Up to 2 rear Fan(s)

Power Supply

1x 1200W 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
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

Weight: Gross Weight: 73.5 lbs (33.9 kg)
Net Weight: 56 lbs (25.9 kg)
Available Color: Black

Operating Environment

RoHS Compliant
Operating Temperature: 10°C to 35°C (50°F to 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-NT6

Chassis

CSE-745BTS-R1K23BP