

# Mainstream SuperServer SYS-620P-TR

2U Mainstream with 8 hot-swap SATA bays and 6 PCIe 4.0 slots



More details here

## Key Applications

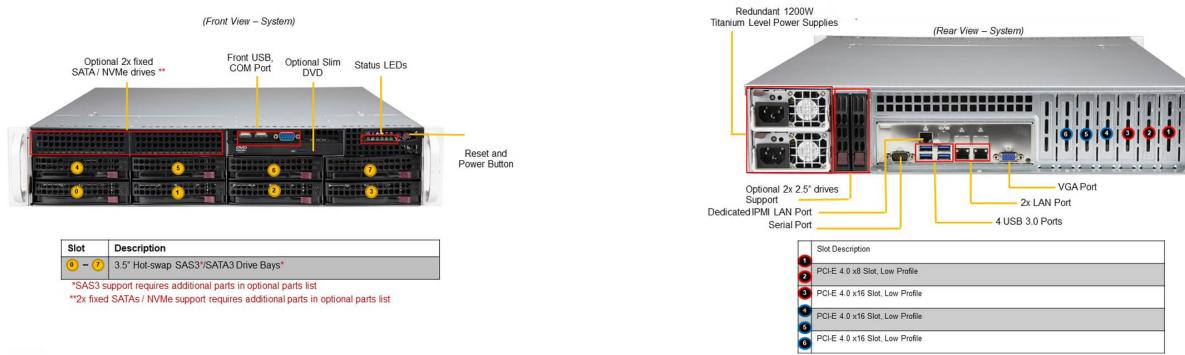
Virtualization, Enterprise Server, Data Center Optimized, Application and data serving, Model analysis, Compute Intensive Applications,

## 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 Low Profile (LP) 2 PCIe 4.0 x8 Low Profile (LP);
- Dual Gigabit LAN with Intel® i350 Ethernet Controller;
- 1200W Redundant Power Supplies Titanium level 100-240Vac and 200-240 Vdc;
- 1 rear VGA, 1 Type A port, 2 COM Ports (1 front; 1 rear) and 6 USB ports (2 front USB 2.0 and 4 rear USB 3.0);



Form Factor	2U Rackmount Enclosure: 437 x 89 x 647mm (17.2" x 3.5" x 25.5") Package: 678 x 290 x 876mm (26.7" x 11.4" x 34.5")
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 <ul style="list-style-type: none"><li>• 8 front hot-swap 3.5" SAS*/SATA drive bays</li></ul> Option A: Total 10 bays <ul style="list-style-type: none"><li>• 8 front hot-swap 3.5" SAS*/SATA drive bays</li><li>• 2 front fixed 3.5" NVMe*/SATA* drive bays</li></ul> (*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 slim DVD bay (optional)
Expansion Slots	Default <ul style="list-style-type: none"><li>• 2 PCIe 4.0 x8 LP slots</li><li>• 4 PCIe 4.0 x16 LP slots</li></ul>
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2 RJ45 1GbE
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



**System Cooling** Fans: Up to 3 heavy duty fans with optimal fan speed control

**Power Supply** 2x 1200W Redundant Titanium Level (96%) Hot-plug power supplies

**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: 69 lbs (31.2 kg)  
Net Weight: 36.38 lbs (16.5 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-N6](#)

**Chassis** CSE-825BTS-R1K23LPP1