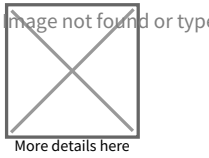


# MP SuperServer SYS-440P-TNRT



## Key Applications

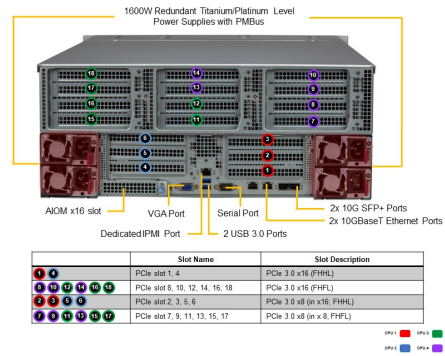
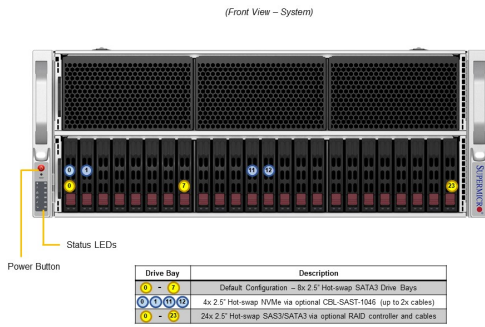
Artificial Intelligence (AI), Business Intelligence, ERP, CRM, Scientific Virtualization, In-Memory Database, HCI, SAP HANA,

## Key Features

- Quad Socket P+ (LGA-4189) 3rd Generation Intel® Xeon® Scalable processors;
- 48 DIMM Slots; Up to 12TB DRAM DDR4-3200: LRDIMM/RDIMM; Up to 18TB (with Intel® Optane™ Persistent Memory 200 series);;
- Intel® Ethernet Controller X710-TM4 2x 10G RJ45 + 2x 10G SFP+ port;; (optional) AIOM up to 100G QSFP28;
- 8 heavy duty fans w/ optimal fan speed control;



Form Factor	4U Rackmount Enclosure: 440.9 x 177 x 755.5mm (17.3" x 6.96" x 29.74") Package: 720 x 435 x 1080mm (28.34" x 17.12" x 42.5")
Processor	Quad Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 28C/56T; Up to 38.5MB Cache per CPU Supports 120W - 120W TDP CPUs (Air Cooled)
GPU	Max GPU Count: Up to 6 double-width GPU(s)
System Memory	Slot Count: 48 DIMM slots Max Memory (2DPC): Up to 12TB 3200MT/s ECC DDR4 RDIMM/LRDIMM Supports Intel® Optane™ persistent memory 200 series
Drive Bays	24x 2.5" hot-swap NVMe/SAS3/SATA3 drive bays (4x 2.5" NVMe hybrid) 2 M.2 NVMe OR 2 M.2 SATA3
Expansion Slots	2 PCIe 3.0 x16 FHHL slot(s) 4 PCIe 3.0 x8 FHHL slot(s) 6 PCIe 3.0 x8 FHFL slot(s) 6 PCIe 3.0 x16 FHFL slot(s)
On-Board Devices	Chipset: Intel® C621 Network Connectivity: 2x 10GbE BaseT + 2x 10GbE SFP+ with Intel® X710-TM4 (Optional) AIOM 100G QSFP 28 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 RJ45 Dedicated IPMI LAN port 2x 10G RJ45 2x 10G SFP+ USB: 2 USB 3.0 port(s) (2 rear) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear)



System Cooling	Fans: 8x 9cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s)
Power Supply	1600W Redundant Platinum Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
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: 6.96" (177 mm) Width: 17.3" (440.9 mm) Depth: 29.74" (755.5 mm) Gross Weight: 132.27 lbs (60 kg) Net Weight: 77.16 lbs (35 kg) Packaging: 17.12" (H) x 28.34" (W) x 42.5" (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	<a href="#">Super X12QCH+</a>
Chassis	CSE-418HTS-R3K3AWP