

MP SuperServer SYS-240P-TNRT

2U 4-socket system with 48 DIMMs and 24 NVMe/SAS/SATA drive bays



More details here

Key Applications

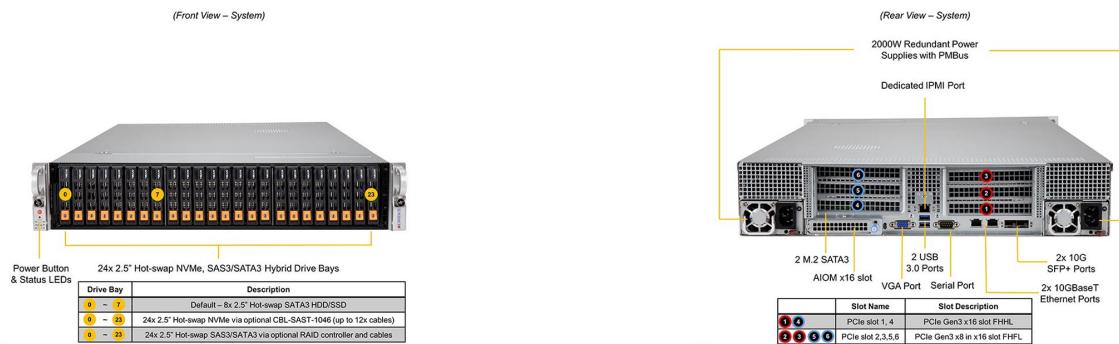
Business Intelligence, ERP, CRM, Scientific Virtualization, In-Memory Database, HCI, SAP HANA, Artificial Intelligence,

Key Features

- Quad Socket P+ (LGA-4189) 3rd Generation Intel® Xeon® Scalable processors;
- 48 DIMMs; Up to 18TB 3DS ECC DDR4-3200:LRDIMM/RDIMM/Intel® Intel® DCPMM;
- Intel® Ethernet Controller X710-TM4 2x 10G RJ45 + 2x 10G SFP+ port; (optional) AIOM up to 100G QSFP28;
- Up to 24 Hot-swap 2.5" NVMe/SAS3/SATA3 drive bays (Default with 8 SAS3/SATA3 drive bays); Onboard 2x M.2 SATA.;
- 4 heavy duty fans w/ optimal fan speed control; 1 Air Shroud;



Form Factor	2U Rackmount Enclosure: 439.5 x 89 x 803mm (17.3" x 3.5" x 31.6") Package: 672 x 250 x 1100mm (26.5" x 9.75" x 43.5")
Processor	Quad Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 28C/56T; Up to 38.5MB Cache per CPU
GPU	Max GPU Count: Up to 2 double-width or 2 single-width GPUs Supported GPU: NVIDIA PCIe: A16, RTX 4000, RTX A6000
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 Configuration	Default: Total 8 bays <ul style="list-style-type: none"> • 8 front hot-swap 2.5" SATA drive bays Option A: Total 24 bays <ul style="list-style-type: none"> • 24 front hot-swap 2.5" NVMe*/SAS*/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: 2 M.2 NVMe/SATA slots (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 2 PCIe 3.0 x16 FHHL slots • 4 PCIe 3.0 x8 (in x16) FHFL slots • 1 PCIe 3.0 x16 (in x16) AIOM slot (OCP 3.0 compatible)
On-Board Devices	Chipset: Intel® C621 Network Connectivity: 2 RJ45 10GBASE-T with Intel® X710-TM4 2 SFP+ 10GbE with Intel® X710-TM4 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 1 GbE Dedicated BMC LAN port 2 RJ45 10 GbE LAN ports 2 SFP+ 10 GbE LAN ports USB: 2 USB 3.0 ports(rear) Serial: 1 COM port(Rear)



System Cooling

Fans: Up to 4x 8cm heavy duty fans with optimal fan speed control
 Air Shroud: 8 Air Shrouds

Power Supply

2x 2000W Redundant (1 + 1) 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!; IPMICFG; SMCIPMITool; IPMIView

PC Health Monitoring

CPU: 4+1 Phase-switching voltage regulator
 Monitors for CPU Cores, Chipset Voltages, Memory
 FAN: Fans with tachometer monitoring
 Pulse Width Modulated (PWM) fan connectors
 Status monitor for speed control
 Temperature: Monitoring for CPU and chassis environment
 Thermal Control for fan connectors

Dimensions and Weight

Weight: Gross Weight: 71.5 lbs (32.43 kg)
 Net Weight: 45.5 lbs (20.64 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 X12QCH+](#)

Chassis

[CSE-218HTS-R2K08P](#)