

MP SuperServer SYS-241E-TNRTTP

2U 4-socket system with 64 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 E (LGA-4677) 4th Generation Intel® Xeon® Scalable processors;
- 64 DIMM Slots; Up to 8TB DDR5-4800MHz ECC RDIMM/RDIMM-3DS;
- Optional PCIe configurations up to 8 PCIe slots with support for two double-width GPU/Accelerator cards;
- Flexible networking options with 2 AIOM networking slot (OCP NIC 3.0 compatible);
- 24x 2.5" Hot-swap NVMe/SATA/SAS Hybrid Drive bays (Default with 8 SATA drive bays); 2x M.2 NVMe/SATA; Optional RAID support via storage add-on card;
- 6 heavy duty fans w/ optimal fan speed control
Liquid cooling solution is available-please contact your Supermicro sales rep for more info.;



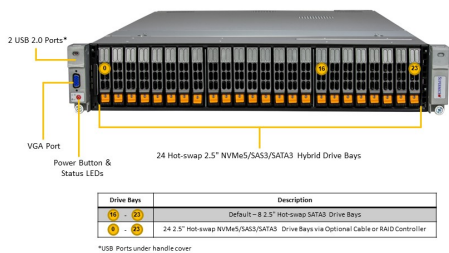
Form Factor	2U Rackmount Enclosure: 438.4 x 87.9 x 849.3mm (17.3" x 3.5" x 33.4") Package: 672 x 250 x 1100mm (26.5" x 9.75" x 43.5")
Processor	Quad Socket E (LGA-4677) 4th Gen Intel® Xeon® Scalable processors Up to 32C/64T
GPU	Max GPU Count: Up to 2 double-width GPUs Supported GPU: NVIDIA PCIe: RTX A6000 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
System Memory	Slot Count: 64 DIMM slots Max Memory (2DPC): Up to 8TB ECC DDR5 RDIMM
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 PCIe 3.0 x4 NVMe/SATA slots (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 3 PCIe 5.0 x8 FHHL slots • 3 PCIe 5.0 x16 FHHL slots • 1 PCIe 5.0 x8 AIOM slot (OCP 3.0 compatible) • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) Option A <ul style="list-style-type: none"> • 2 PCIe 5.0 x16 FHFL double-width slots • 2 PCIe 5.0 x16 FHHL slots • 1 PCIe 5.0 x8 AIOM slot (OCP 3.0 compatible) • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) 2 USB 2.0 ports(front)

Video: 1 VGA port

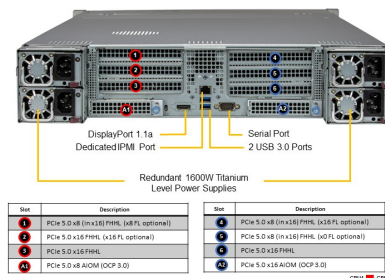
1 DisplayPort port

Serial: 1 COM port(rear)

(Front View – System)



(Rear View – System)



System Cooling

Fans: Up to 6 Heavy duty counter-rotating 6cm Fan(s)
Up to 4 Direct to Chip (D2C) Cold Plate Fan(s) (optional)
Air Shroud: 4 Air Shrouds

Power Supply

4x 1600W Redundant (2 + 2) Titanium Level (96%) power supplies

System BIOS

BIOS Type: AMI 32MB SPI Flash EEPROM

Management

SuperCloud Composer® (SCC); 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: 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 X13QEH+](#)

Chassis

CSE-218HTS-R3K2AWP