

MP SuperServer SYS-241H-TNRTTP

2U 4-socket system with 64 DIMMs and 8 NVMe/SAS/SATA drive bays



More details here

Key Applications

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

Key Features

- Quad Socket E (LGA-4677) 4th Generation Intel® Xeon® Scalable processors;
- 64 DIMM Slots; Up to 16TB DDR5-4800MHz ECC RDIMM/RDIMM-3DS;
- Optional PCIe configurations up to 12 PCIe slots with support for two double-width GPU/Accelerator cards;
- Flexible networking options with 2 AIOM networking slot (OCP NIC 3.0 compatible);
- 8x 2.5" Hot-swap NVMe/SAS3/SATA3 drive bays (Default with 8 SAS3/SATA3 drive bays); 2x internal M.2 NVMe/SATA; Optional RAID support via storage add-on card;
- 5 heavy duty fans w/ optimal fan speed control;



Form Factor	2U Rackmount Enclosure: 438.4 x 87.9 x 812.9mm (17.3" x 3.5" x 32") 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 60C/120T; Up to 112.5MB Cache per CPU
GPU	Max GPU Count: Up to 2 double-width GPU(s) Supported GPU: NVIDIA PCIe: H100, L40, RTX A6000, RTX A4000, L40S, A100 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
System Memory	Slot Count: 64 DIMM slots Max Memory (1DPC): Up to 8TB 4800MT/s ECC DDR5 RDIMM Max Memory (2DPC): Up to 16TB 4400MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bay(s) <ul style="list-style-type: none"> • 8 front hot-swap 2.5" SATA drive bay(s) Option A: Total 8 bay(s) <ul style="list-style-type: none"> • 8 front hot-swap 2.5" PCIe 5.0 NVMe*/SAS*/SATA* drive bay(s) (*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 slot(s) (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 3 PCIe 5.0 x8 (in x16) FHHL slot(s) • 3 PCIe 5.0 x16 FHHL slot(s) • 1 PCIe 5.0 x8 AIOM slot(s) (OCP 3.0 compatible) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option A <ul style="list-style-type: none"> • 2 PCIe 5.0 x16 FHFL double-width slot(s) • 2 PCIe 5.0 x16 FHHL slot(s) • 1 PCIe 5.0 x8 AIOM slot(s) (OCP 3.0 compatible) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option B* <ul style="list-style-type: none"> • 3 PCIe 5.0 x8 (in x16) FHHL slot(s) • 3 PCIe 5.0 x16 FHHL slot(s) • 2 PCIe 4.0 x8 (in x16) LP slot(s) • 2 PCIe 4.0 x16 LP slot(s) • 1 PCIe 5.0 x8 AIOM slot(s) (OCP 3.0 compatible) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option C* <ul style="list-style-type: none"> • 2 PCIe 5.0 x16 FHFL double-width slot(s)

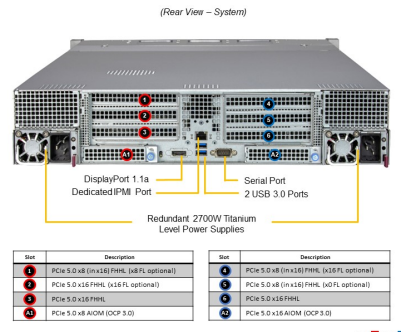
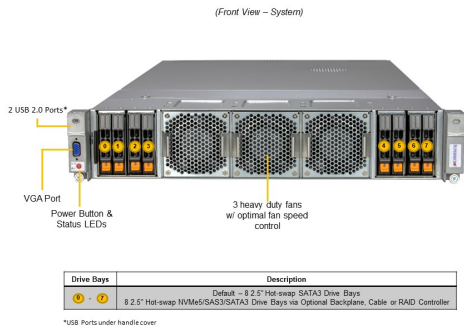
- 2 PCIe 5.0 x16 FHHL slot(s)
- 2 PCIe 4.0 x8 (in x16) LP slot(s)
- 2 PCIe 4.0 x16 LP slot(s)
- 1 PCIe 5.0 x8 AIOM slot(s) (OCP 3.0 compatible)
- 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)

On-Board Devices

Chipset: Intel® C741
Network Connectivity: Via AIOM

Input / Output

LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)
USB: 2 USB 3.0 port(s) (rear)
2 USB 2.0 port(s) (front)
Video: 1 VGA port(s)
1 DisplayPort port(s)
Serial: 1 COM port(s) (Rear)



System Cooling	Fans: 2 Internal Heavy duty counter-rotating 6cm Fan(s) 3 Heavy duty counter-rotating 8cm Fan(s)
Power Supply	2x 2700W Redundant (1 + 1) Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline
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: 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 ~ 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	Super X13QEH+
Chassis	CSE-218H2TS-R2K7AWP