

Hyper SuperServer SYS-212H-TN-01-G2

2U UP Hyper supporting up to 24 hot-swap 2.5" NVMe/SAS/SATA bays and up to 8 PCIe 5.0 + 2 PCIe 5.0 AIOM slots

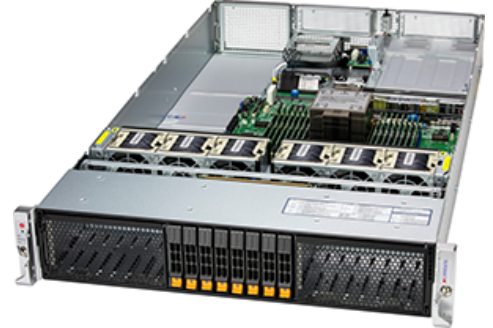


Key Applications

In-Memory Database for AI Inferencing

Gold Configuration Details

- CPU: 1x Intel® Xeon® 6761P (64C/2.5GHz)
- Memory: 1TB DDR5-6400
- Storage: 2x 3.8TB U.2 NVMe SSD
- NIC: 1x dual 25GbE SFP28
- Power: 2x 2000W Titanium Level



Base System Specs

| | |
|--------------------------|---|
| Form Factor | 2U Rackmount Enclosure: 437 x 88.9 x 806.2mm (17.2" x 3.5" x 31.74") Package: 672 x 253 x 1100mm (26.46" x 9.96" x 43.31") |
| Processor | Single Socket E2 (LGA-4710) Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores P-cores: Up to 86C/172T; Up to 336MB Cache E-cores: Up to 144C/144T; Up to 108MB Cache |
| GPU | Max GPU Count: Up to 4 double-width or 8 single-width GPUs Supported GPU: NVIDIA PCIe: H100 NVL, A10, H200 NVL (141GB), L4, L40S, NVIDIA RTX PRO™ 4500 Blackwell, NVIDIA RTX PRO™ 5000 Blackwell, NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition, RTX 4000 Ada Generation Intel PCIe: Intel Data Center GPU Flex 170 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect |
| System Memory | Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM Max Memory (1DPC): Up to 512GB 8000MT/s ECC DDR5 MRDIMM Max Memory (2DPC): Up to 4TB 5200MT/s ECC DDR5 RDIMM |
| Drive Bays Configuration | (*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 slots (M-key 2280/22110/25110; VROC required for RAID) |
| On-Board Devices | NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required) Network Connectivity: Via AIOM |
| Input / Output | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.2 Gen1 ports(Rear) Video: 1 VGA port |

(Front View – System)



| Drive Bay | Description |
|-----------|---|
| 8 | Hot-swap 2.5" NVMe/SAS/SATA Drive Bays* |

*NVMe, SAS, or SATA support requires additional parts from the optional parts list

(Front View – System)



| Drive Bay | Description |
|-----------|---|
| 16 | Hot-swap 2.5" NVMe/SAS/SATA Drive Bays* |

*NVMe, SAS, or SATA support requires additional parts from the optional parts list

| | |
|-----------------------|--|
| System Cooling | Fans: Up to 6 counter-rotating 60x60x56mm Fan(s) Air Shroud: 1 CPU Air Shroud |
| Power Supply | 2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies |
| System BIOS | BIOS Type: AMI 64MB SPI Flash |
| Management | SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); 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 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: 75 lbs (34 kg) Net Weight: 45 lbs (20.5 kg) Available Color: Silver |
| Operating Environment | Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing) |
| Motherboard | Super X14SBH |
| Chassis | CSE-HS201-R000NFP |