

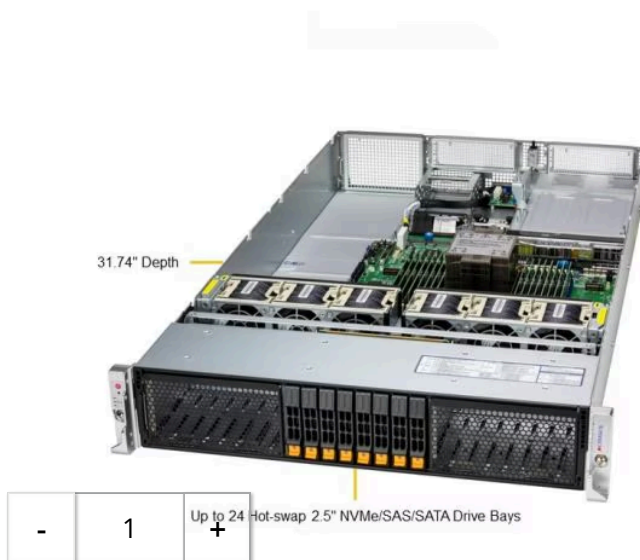
Need a server ASAP? Discover our Gold Series (Quick Ship) solutions, with most systems shipping within 24 hours.

[Shop Now](#)

Supermicro 2U Hyper SuperServer (SYS-212H-TN)

- **Key Features/Applications:** Virtualization, AI Inference and Machine Learning, Software-defined Storage, Cloud Computing, Data Center Optimized, AI Inference, Database Processing and High Density Storage
- **CPU:** Single Intel® Xeon® 6700/6500 Series Processor
- **Chassis:** 2U / 1 Node
- **Drive:** 24 2.5" Hot-Swap NVMe/SATA/SAS Drive Bays
- **RAM:** 16 DDR5 DIMM Slots
- **Network Ports:** Flexible Networking Options with 1 AIOM Networking Slot
- **Ships Within 3-5 Business Days**

IN STOCK



Product SKUs	
SuperServer SYS-212H-TN	
Processor	
CPU	- Single Socket E2 (LGA-4710) Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores
Core Count	- P-cores: Up to 86C/172T; Up to 336MB Cache - E-cores: Up to 144C/144T; Up to 108MB Cache
Note	Supports up to 350W TDP CPUs (Air Cooled)
GPU	
Max GPU Count	Up to 4 double-width or 8 single-width GPUs
Supported GPU	- NVIDIA PCIe: H100 NVL, H200 NVL (141GB), L40S, L4 - Intel PCIe: Intel Data Center GPU Flex 170
CPU-GPU Interconnect	PCIe 5.0 x16 CPU-to-GPU Interconnect
System Memory	
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
Memory Voltage	1.1V
On-Board Devices	
NVMe	NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required)
Chipset	System on Chip
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
System BIOS	
BIOS Type	AMI 64MB SPI Flash
Management	

Chassis	
Form Factor	2U Rackmount
Model	CSE-HS201-R000NFP
Dimensions and Weight	
Height	3.5" (88.9 mm)
Width	17.2" (437 mm)
Depth	31.74" (806.2 mm)
Package	9.96" (H) x 26.46" (W) x 43.31" (D)
Weight	- Gross Weight: 75 lbs (34 kg) - Net Weight: 45 lbs (20.5 kg)
Available Color	Silver
Front Panel	
LED	- HDD activity - LAN1 activity - Power status - System information
Buttons	- Power On/Off - UID button
Drive Bays / Storage	
Drive Bays Configuration	- Default: Total 8 bays 8 front hot-swap 2.5" NVMe*/SAS*/SATA[‡] drive bays - Option A: Total 16 bays 16 front hot-swap 2.5" NVMe*/SAS*/SATA[‡] drive bays - Option B: Total 24 bays 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 slots (M-key 2280/22110/25110; VROC required for RAID)
System Cooling	
Fans	6 counter-rotating 60x60x56mm Fan(s)
Air Shroud	1 CPU Air Shroud
Power Supply	
QtyWithPsu	2x 1200W
Description	2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies
Dimension (WxHxL)	73.5 x 40 x 265 mm

Software	• SuperCloud Composer® • Supermicro Server Manager (SSM) • Super Diagnostics Offline (SDO) • Supermicro Thin-Agent Service (TAS) • SuperServer Automation Assistant (SAA) New!
Power configurations	• Power-on mode for AC power recovery • ACPI Power Management
Health Monitoring	
CPU	• Monitors for CPU Cores, Chipset Voltages, Memory
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

Input	• 800W: 100-127Vac • 800W: 100-127Vac / 50-60Hz • 1200W: 200-240Vac • 1200W: 200-240Vac / 50-60Hz • 1200W: 230-240Vdc / 50-60Hz (for CCC only)
+12V	• Max: 66.7A / Min: 0A (100Vac-127Vac) • Max: 83A / Min: 0A (100Vac-127Vac) • Max: 100A / Min: 0A (200Vac-240Vac) • Max: 100A / Min: 0A (230Vdc-240Vdc) (for CCC only)
12V SB	• Max: 2.1A / Min: 0A
Output Type	• Backplanes (gold finger)
QtyWithPsu	• 2x 1300W
Description	• 2x 1300W Redundant (1 + 1) Gold (Certification Pending) Level power supplies
Dimension (WxHxL)	• 73.5 x 40 x 265 mm
Input	• 1300W: -44--65Vdc / 50-60Hz
+12V	• Max: 108.3A / Min: 0A
12V SB	• Max: 2.1A
Output Type	• Backplanes (gold finger)
QtyWithPsu	• 2x 1600W
Description	• 2x 1600W Redundant (1 + 1) Titanium Level (96%) power supplies
Dimension (WxHxL)	• 73.5 x 40 x 265 mm
Input	• 1000W: 100-127Vac • 1000W: 100-127Vac / 50-60Hz • 1600W: 200-240Vac • 1600W: 200-240Vac / 50-60Hz • 1600W: 200-240Vdc / 50-60Hz (for CQC only)
+12V	• Max: 83.3A / Min: 0A (100Vac-127Vac) • Max: 133.3A / Min: 0A (200Vac-240Vac)
12V SB	• Max: 3.5A / Min: 0A • Max: 3.5A
Output Type	• Backplanes (gold finger)
QtyWithPsu	• 2x 2000W
Description	• 2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies
Dimension (WxHxL)	• 73.5 x 40 x 265 mm

Input	• 1000W: 100-127Vac / 50-60Hz • 1800W: 200-220Vac / 50-60Hz • 2700W: 200-240Vac • 1980W: 220-230Vac / 50-60Hz • 2000W: 220-240Vac / 50-60Hz (for UL only) • 2000W: 230-240Vac / 50-60Hz • 2000W: 230-240Vdc / 50-60Hz (for CQC only)
+12V	• Max: 83A / Min: 0A (100Vac-127Vac) • Max: 150A / Min: 0A (200Vac-220Vac) • Max: 225A / Min: 0A (200Vac-240Vac) • Max: 165A / Min: 0A (220Vac-230Vac) • Max: 166A / Min: 0A (230Vac-240Vac)
12V SB	• Max: 3.5A / Min: 0A
Output Type	• Backplanes (gold finger)
Operating Environment	
Environmental Spec.	• 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)

[Resources](#)

[Prop 65 Warning](#)