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Supermicro 2U Hyper SuperServer (SYS-222H-TN)

- **Key Features/Applications** : Virtualization, High Performance Computing, Enterprise Server, Software-Defined Storage, Cloud Computing
- **CPU**: Dual Intel® Xeon® 6700/6500 Series Processors
- **Chassis**: 2U / 1 Node
- **Drive**: 8 (Up to 24) Hot-Swap NVMe/SATA/SAS Drive Bays
- **RAM**: 32 DDR5 DIMM Slots
- **Network Ports**: Flexible networking options with 2 AIOM networking slots
- **Ships Within 3-5 Business Days**

IN STOCK



(Angled View – System)



Up to 24 Hot-swap 2.5" NVMe/SAS/SATA Drive Bays



*Actual product may vary slightly from photo shown

Product SKUs	
SuperServer SYS-222H-TN	
Processor	
CPU	- Dual 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 per CPU - E-cores: Up to 144C/144T; Up to 108MB Cache per CPU
Note	- Supports up to 350W TDP CPUs (Air Cooled) - Supports up to 350W TDP CPUs (Liquid Cooled)
GPU	
Max GPU Count	Up to 4 double-width or 8 single-width GPUs
System Memory	
Memory	- Slot Count: 32 DIMM slots - Max Memory (1DPC): Up to 4TB 6400MT/s ECC DDR5 RDIMM - Max Memory (1DPC): Up to 1TB 8000MT/s ECC DDR5 MRDIMM (P-core only) - Max Memory (2DPC): Up to 8TB 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 3.0 ports(rear) 2 USB 3.0 ports(Header)
Video	1 VGA port
System BIOS	
BIOS Type	AMI 64MB SPI Flash
Management	
Software	SuperCloud Composer® Supermicro Server Manager (SSM) Super Diagnostics Offline (SDO) Supermicro Thin-Agent Service (TAS) SuperServer Automation Assistant (SAA) New!

Chassis	
Form Factor	2U Rackmount
Model	CSE-HS219-R000NP
Dimensions and Weight	
Height	3.5" (88 mm)
Width	17.3" (438.4 mm)
Depth	29.73" (755.2 mm)
Package	10.12" (H) x 23.82" (W) x 37.28" (D)
Weight	- Gross Weight: 66 lbs (30 kg) - Net Weight: 40 lbs (18.2 kg)
Available Color	Silver
Front Panel	
LED	- HDD activity - LAN1 activity - LAN2 activity - Power Fail - Power status - System information (overheat/UID)
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 PCIe 5.0 x2 NVMe slots (M-key 2280/22110)
System Cooling	
Fans	4x 8cm heavy duty fans with optimal fan speed control
Air Shroud	2 Air Shrouds
Liquid Cooling	Direct to Chip (D2C) Cold Plate (optional)
Power Supply	
QtyWithPsu	2x 1200W

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

Description	2x 1200W Redundant (1 + 1) Titanium Level (96%) Hot-plug power supplies
Dimension (WxHxL)	73.5 x 40 x 265 mm
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 2000W
Description	2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies
Dimension (WxHxL)	73.5 x 40 x 265 mm
Input	1000W: 100-120Vac / 50-60Hz 100-127Vac 1800W: 200-220Vac / 50-60Hz 200-240Vac 2000W: 200-240Vac / 50-60Hz (for UL/cUL only) 1980W: 220-230Vac / 50-60Hz 2000W: 230-240Vdc 2000W: 230-240Vac / 50-60Hz
+12V	Max: 83.3A / Min: 0A (100Vac-120Vac) Max: 83.3A / Min: 0A (100Vac-127Vac) Max: 150A / Min: 0A (200Vac-220Vac) Max: 166.7A / Min: 0A (200Vac-240Vac) Max: 166.7A / Min: 0A (200Vac-240Vac) (for UL/cUL only) Max: 165A / Min: 0A (220Vac-230Vac) Max: 166.7A / Min: 0A (230Vac-240Vac)
12V SB	Max: 2.1A / Min: 0A
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 2600W
Description	• 2x 2600W Redundant (1 + 1) Titanium Level (96%) power supplies
Dimension (WxHxL)	• 73.5 x 40 x 265 mm
Input	• 2600W: 200-240Vac 2600W: 200-240Vdc (For CQC Only) 2600W: 200-240Vac / 50-60Hz 2600W: 200-240Vdc / 50-60Hz (for CQC only)
+12V	• Max: 216A / Min: 0A (11.4Vdc-12.6Vdc) (12V output) Max: 216A / Min: 0A (200Vac-240Vac)
12V SB	• Max: 3.5A
Output Type	• Backplanes (gold finger)
Operating Environment	
Environmental Spec.	• Name: A2 • Operating Temperature: 10°C to 35°C (50°F to 95°F) • Non-operating Temperature: -30°C to 60°C (-40°F to 140°F) • Operating Relative Humidity: 8% to 80% (max 21° DP; non-condensing) • Non-operating Relative Humidity: 8% to 90% (max 38° DP; non-condensing)

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