

Hyper SuperServer ARS-222H-NR

2U Hyper with 8 hot-swap 2.5" NVMe bays, 5 PCIe 6.0 x16 slots, 1 PCIe 6.0 x8 slot, and 1 PCIe 6.0 x8 AIOM slot



Key Applications

Virtualization, Enterprise Applications, AI Inference and Machine Learning, Cloud Computing, Software Defined Storage, Content Delivery Network (CDN),

Key Features

- Dual Arm AGI CPU Neoverse V3 with 64, 128, or 136 cores;
- 24 DDR5-8800 MT/s DIMM slots supporting up to 6TB (12 per CPU, 1DPC);
- Up to 5 PCIe 6.0 x16 FHHL + 1 PCIe 5.0 x8 FHHL + 1 PCIe 6.0 x8 AIOM Slots;
- Flexible networking with OCP 3.0 compatible AIOM;
- Up to 8 front hot-swap 2.5" NVMe drive bays;
- 2 Redundant 2700W Titanium Level power supplies;



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	Dual processor(s) Arm AGI CPU Neoverse V3 with 64/128/136 cores
System Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): 6TB 8800MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bays <ul style="list-style-type: none"> • 8 front hot-swap 2.5" NVMe drive bays M.2: 1 M.2 PCIe 4.0 x1 NVMe slot (M-key 2280(default)/22110)
Expansion Slots	PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> • 5 PCIe 6.0 x16 FHHL slots • 1 PCIe 6.0 x8 FHHL slot • 1 PCIe 6.0 x8 AIOM slot (OCP 3.0 compatible) M.2: 1 M.2 PCIe 4.0 x1 NVMe slot (M-key 22110(default)/2280)
On-Board Devices	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(Rear) 1 VGA port(Front) Serial: 1 COM port(rear)

System Cooling	Fans: Up to 6 Heavy duty counter-rotating 6cm Fan(s) Air Shroud: 2 Air Shrouds
Power Supply	2x 2700W Redundant (1 + 1) Titanium Level (96%) Hot-plug power supplies
System BIOS	BIOS Type: AMI 1024MB SPI Flash
Management	SuperCloud Composer®; 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: 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 AR3DPD
Chassis	CSE-218HTS-R3K2AWP
