

Hyper A+ Server AS -1125HS-TNR



More details here

Key Applications

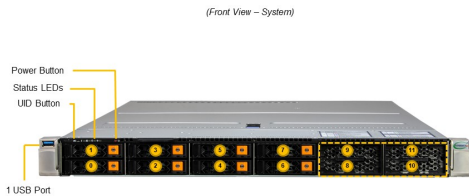
Virtualization, Software-defined Storage, AI Inference and Machine Learning, Cloud Computing, Enterprise Server,

Key Features

- 4th Generation AMD EPYC™ 9004 Series Processors;
- ASPEED AST2600;
- 24x DIMM slots, DDR5-4800MHz memory, support up to 6 TB;
- 1 PCIe 5.0 x16, FH, 6.6"L; Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible); 2 PCIe 5.0 x16 FH, 10.5"L;
- 8 Hot-swap 2.5” NVMe/SAS/SATA (Option for up to 12 drives); (Optional parts required for NVMe/SAS/SATA configurations);
- 800/1200W Redundant Power Supplies (Titanium Level);(*Full redundancy based on configuration and application load);
- 2 On-board PCIe 3.0 x4 M.2 NVMe 80mm/110mm (Boot);

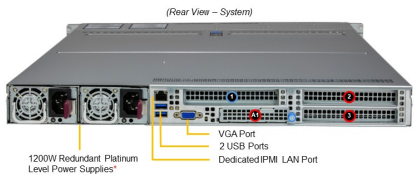


Form Factor	1U Rackmount Enclosure: 437 x 43 x 747mm (17.2" x 1.7" x 29.4") Package: 605 x 206 x 1032mm (23.8" x 8.1" x 40.6")
Processor	Dual Socket SP5 AMD EPYC™ 9004 Series Processors Up to 256C/512T
System Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM
Drive Bays	8x 2.5" hot-swap NVMe/SATA/SAS drive bays (Up to 12x 2.5" hot-swap NVMe/SATA/SAS support with additional parts) 2x NVMe (PCIe 3.0 x4, Boot drive only) M-Key, 2280/22110
Expansion Slots	1 PCIe 5.0 x16 FH, 6.6"L slot(s) 2 PCIe 5.0 x16 FH, 10.5"L slot(s) 1 PCIe 5.0 x16 AIOM slot(s)
On-Board Devices	Chipset: System on Chip Network Connectivity: Via AIOM IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 Dedicated IPMI LAN port USB: 3 USB 3.0 port(s) (2 rear; 1 front) Video: 1 VGA port(s)



Slot	Description
1	2.5" Hot-Swap NVMe/SAS3/SATA3 Drive Bays (Default)
2	2.5" Hot-Swap NVMe/SAS3/SATA3 Drive Bays (Optional)**

* NVMe/SAS3/SATA3 function depending on option chosen from optional parts list
** Drive trays and backplane optional for drive slots 8-11; see optional parts list



Slot	Description
1	PCIe 5.0 x16 (FH, 6.6" L)
2	PCIe 5.0 x16 (FH, 10.5" L)
3	PCIe 5.0 x16 (FH, 10.5" L)
4	PCIe 5.0 x16 AIOM Slot (NCS)

* Full redundancy based on configuration and application load.

CPU 1
CPU 2

System Cooling

Fans: 8x 4cm heavy duty fans with optimal fan speed control
Air Shroud: 2 Air Shroud(s)

Power Supply

1200W Redundant Titanium Level power supplies

System BIOS

BIOS Type: AMI 256MB SPI Flash
BIOS Features: USB Keyboard support

Management

Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0

PC Health Monitoring

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
Voltage:
System temperature, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support

Dimensions and Weight

Height: 1.7" (43 mm)
Width: 17.2" (437 mm)
Depth: 29.4" (747 mm)
Gross Weight: 51 lbs (23.1 kg)
Net Weight: 32 lbs (14.5 kg)
Packaging: 8.1" (H) x 23.8" (W) x 40.6" (D)
Available Color: Black front & silver body

Operating Environment

Operating Temperature: 10°C ~ 35°C (50°F ~ 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 H13DSH](#)

Chassis

CSE-HS119-R1K24P2-A