

Hyper A+ Server AS -1125HS-TNR



More details here

Key Applications

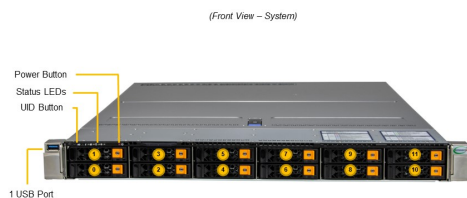
Virtualization, Software-defined Storage, AI Inference and Machine Learning, Cloud Computing, Enterprise Server,

Key Features

- 4th Generation AMD EPYC™ 9004 Series Processors;
- ASPEED AST2600;
- 24 x DIMM slots, DDR5 -4800 memory support up to 6 TB;
- 1 PCIe 5.0 x16, FH, 6.6"L; 2 PCIe 5.0 x16 FH, 10.5"L; Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible);
- 8 Hot-swap 2.5" NVMe/SAS/SATA2 (Option for up to 12 drives);
- 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);

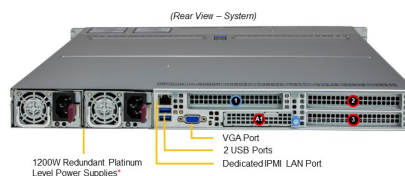


Form Factor	1U Rackmount Enclosure: 437 x 43 x 747mm (17.2" x 1.7" x 29.4") Package: 605 x 206 x 1032mm (23.8" x 8.1" x 40.6")
Processor	4th Gen AMD EPYC™ 9004 Series Processor Dual Socket (Socket SP5) supported TDP up to W; 4 UPI (Certain CPUs with high TDP may be supported only under specific conditions. Please contact Supermicro Technical Support for additional information about specialized system optimization)
System Memory	24 DIMM slots
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)
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
④ ⑤	2.5" Hot-Swap NVMe/SAS/SATA Drive Bays*

*NVMe/SAS/SATA support requires additional parts in 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 AOM Slot (NCSI)

* Full redundancy based on configuration and application load.

CPU 1

CPU 2

System Cooling	8x 4cm heavy duty fan(s)
Power Supply	1U 800W/1200W Redundant Titanium CRPS w/PMBus power supply Dimension (W x H x L): 73.5 x 40 x 265 mm Output Type: 25 Pairs Gold Finger Connector
System BIOS	BIOS Type: AMI 256MB SPI Flash BIOS Features: USB Keyboard support
Management	SuperDoctor® 5; Watch Dog; SUM; SPM; SSM; IPMICFG; IPMIView for Linux/ Windows
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