

## Hyper A+ Server AS -1125HS-TNR

1U Hyper with 8 hot-swap 2.5" NVMe/SAS/SATA bays and 3 PCIe 5.0 x16 slots



## **Key Applications**

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

## **Key Features**

Input / Output

- 4th Generation AMD EPYC<sup>™</sup> 9004 Series Processors;
- ASPEED AST2600;
- 24x DIMM slots, DDR5-4800MHz memory, support up to 6 TB;
- Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible)

2 PCle 5.0 x16 FH, 10.5"L

1 PCle 5.0 x16, FH, 6.6"L;

- 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);

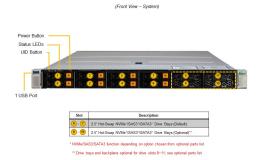


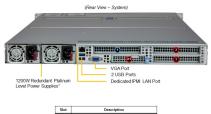
2 ON-BOARD FOR 3.0 AT MIZ NAME COMMITTERMIN (BOOK),		
1U Rackmount		
Enclosure: 437 x 43 x 747mm (17.2" x 1.7" x 29.4")		
Package: 605 x 206 x 1032mm (23.8" x 8.1" x 40.6")		
Dual Socket SP5		
AMD EPYC™ 9004 Series Processors		
Up to 256C/512T		
Slot Count: 24 DIMM slots		
Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM		
Default: Total 8 bay(s) • 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bay(s)		
Option A: Total 12 bay(s)		
• 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bay(s)		
(*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 3.0 x4 NVMe slot(s) (M-key 2280/22110)		
Default		
• 1 PCle 5.0 x16 FHHL slot(s)		
• 2 PCle 5.0 x16 FH/10.5"L slot(s)		
• 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)		
Chipset: System on Chip		
Network Connectivity: Via AIOM		

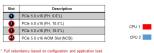
LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)

USB: 2 USB 3.0 port(s) (rear) 1 USB 3.0 port(s) (front)

Video: 1 VGA port(s)







System Cooling	Fans: 8 counter-rotating 40x40x56mm Fan(s)
System BIOS	BIOS Type: AMI 256MB SPI Flash
	BIOS Features: UEFI 2.8
	SMBIOS 3.5 or later
	ACPI 6.4
	Plug and Play (PnP)
	USB Keyboard support
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline; TAS: Supermicro Thin-Agent Service (TAS); SAA(new!)
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	Weight: Gross Weight: 51 lbs (23.1 kg)
	Net Weight: 32 lbs (14.5 kg)
	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