Hyper A+ Server AS -1125HS-TNR

Key Applications

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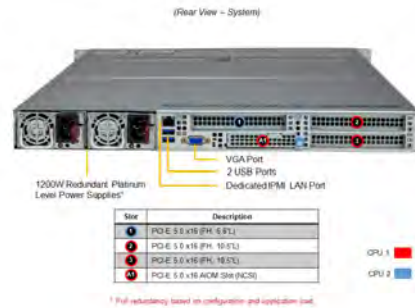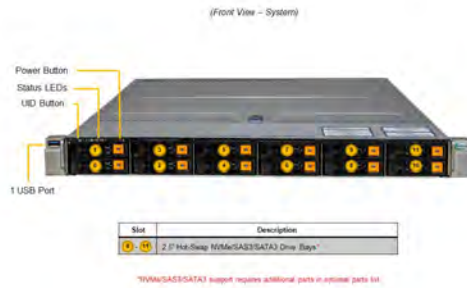Enterprise Server

Key Features

- 4th Generation AMD EPYC™ 9004 Series Processors;
- ASPEED AST2600;
- 24 x DIMM slots, DDR5 -4800 memory support up to 6 TB;
- Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible); 3 PCI-E 5.0 x16 slots with support for GPU/Accelerator cards;
- 2 On-board Gen 3 M.2 NVMe 80mm/110mm (Boot); 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;
- 1 VGA Port 2 USB rear + 1 USB front;

[More details here](#)

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 360W; 4 UPI
System Memory	24 DIMM slots
Drive Bays	8x 2.5" hot-swap NVMe/SATA/SAS drive bays; Optional RAID support via RAID Controller AOC
Expansion Slots	Slot 1: PCI-E 5.0 x16 FH, 6.6"L Slot 2: PCI-E 5.0 x16 FH, 10.5"L Slot 3: PCI-E 5.0 x16 FH, 10.5"L
On-Board Devices	SATA: SATA3 (6Gbps) 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	SATA: 32 SATA port(s) LAN: 1 Dedicated IPMI LAN port USB: 3 USB 3.0 port(s) (2 rear; 1 front) Video: 1 VGA port(s)

Cooling System	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	CPU: 4+1 Phase-switching voltage regulator
	    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
	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 & sliver 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