

Hyper A+ Server AS -1125HS-TNR



Key Applications

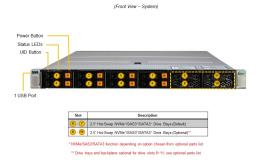
Virtualization, Software-defined Storage, Al Inference and Machine Learning, Cloud Computing, Enterprise Server,

Key Features

- 4th Generation AMD EPYC[™] 9004 Series Processors;
- ASPEED AST2600;
- 24x DIMM slots, DDR5-4800MHz memory, support up to 6 TB;
- 2 PCIe 5.0 x16 FH, 10.5"L; 1 PCIe 5.0 x16, FH, 6.6"L; Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible);
- 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) |







| Management | BIOS Features: USB Keyboard support 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 |
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| 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 |