Hyper A+ Server AS -1115HS-TNR

1U UP Hyper with 8 hot-swap 2.5" drive bays and 3 PCIe 5.0 slots

More details here

Key Applications

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

Key Features

- Single 4th Generation AMD EPYC™ 9004 Series Processor;
- 24 DIMM (2 DPC) Up to 6TB ECC DDR5 RDIMM with single CPU;
- Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible)
  2 PCIe 5.0 x16 FH, 10.5"L
  1 PCIe 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 NVMe M.2 slots; 1x PCIe 3.0 x4, 1x PCIe 3.0 x2; 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	Single Socket SP5 AMD EPYC™ 9004 Series Processors Up to 128C/256T
GPU	Max GPU Count: Up to 1 double-width GPU(s) Supported GPU: NVIDIA PCIe: H100 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
System Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM Max Memory (2DPC): Up to 6TB 4000MT/s ECC DDR5 RDIMM
Drive Bays Configuration	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: 1 M.2 PCIe 3.0 x4 NVMe slot(s) (M-key 22110(default)/2280) 1 M.2 PCIe 3.0 x2 NVMe slot(s) (M-key 22110(default)/2280)
Expansion Slots	Default • 1 PCIe 5.0 x16 FHHL slot(s) • 2 PCIe 5.0 x16 FH/10.5"L slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)
On-Board Devices	Chipset: System on Chip Network Connectivity: Via AIOM
Input / Output	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)

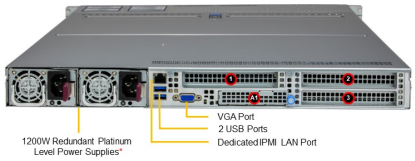
(Front View – System)

Drive Bay	Description
0 - 7	2.5" Hot-swap NVMe*/SAS3*/SATA3* Drive Bays (Default)
8 - 11	2.5" Hot-swap NVMe*/SAS3*/SATA3* Drive Bays (Optional)**

*NVMe/SAS3/SATA3 functionality depends on options chosen from optional parts list.

**Drive trays and backplane optional for drive slots 8-11, see optional parts list.

(Rear View – System)



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)
A1	PCIe 5.0 x16 AIOM (NCSI)

* Full redundancy based on configuration and application load.

System Cooling	Fans: 8 counter-rotating 40x40x56mm Fan(s)
Power Supply	2x 1200W Redundant Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM BIOS Features: ACPI 6.4 Plug and Play (PnP) SMBIOS 3.5 or later UEFI 2.8 USB Keyboard support
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (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 H13SSH**
Chassis	**CSE-HS119-R1K24P2-A**