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,
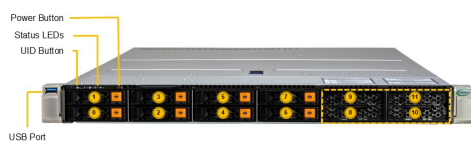
Key Features

- Single AMD EPYC™ 9004/9005* Series Processor
  (*AMD EPYC™ 9005 series drop-in support requires board revision 2.x);
- Support up to DDR5 24 DIMM slots (2DPC);
- 2 PCIe 5.0 x16 FHFL slots
  1 PCIe 5.0 x16 FHHL slot
  Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible);
- 8 Hot-swap 2.5" NVMe/SATA/SAS drive bays
  Optional 4 Hot-swap 2.5" NVMe/SAS/SATA drive support via additional parts
  2 M.2 PCIe 3.0 NVMe slots;

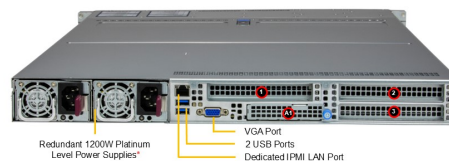|	
Form Factor	1U Rackmount Enclosure: 437 x 43 x 747mm (17.2" x 1.7" x 29.4") Package: 605 x 206 x 1032mm (23.8" x 8.1" x 40.6")
Processor	Single processor(s) AMD EPYC™ 9004/9005 Series Processors (* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x) Up to 160C/320T
GPU	Max GPU Count: Up to 1 double-width GPU 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 (AMD EPYC™ 9004 Series Processor) Max Memory (2DPC): Up to 6TB 4000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 4.5TB 5200MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (2DPC): Up to 9TB 4400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)

Drive Bays Configuration	Default: Total 8 bays
	  • 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays
	Option A: Total 12 bays
	  • 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays
	(*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 (M-key 22110(default)/2280)
	      1 M.2 PCIe 3.0 x2 NVMe slot (M-key 22110(default)/2280)

Expansion Slots	Default
	  • 1 PCIe 5.0 x16 FHHL slot
	  • 2 PCIe 5.0 x16 FHFL slots
	  • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)

On-Board Devices	Chipset: System on Chip Network Connectivity: Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) 1 USB 3.0 port(front) Video: 1 VGA port

(Front View – System)   *(Rear View – System)*

Power Button
Status LEDs
UID Button

USB Port

VGA Port
2 USB Ports
Dedicated IPMI LAN Port

Redundant 1200W Platinum
Level Power Supplies*

Drive Bay	Description
0 — 7	8 Hot-swap 2.5" NVMe¹/SAS²/SATA¹ Drive Bays
8 — 11	4 Hot-swap 2.5" SAS²/SATA¹ Drive Bays³ (optional)

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 (OCP 3.0)

¹ NVMe/SAS/SATA functionality depends on configuration chosen and may require additional parts from the optional parts list
³ Drive trays and backplane optional for drive slots 8-11, see optional parts list

* 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); OOB Management Package (SFT-OOB-LIC); 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**