

# 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

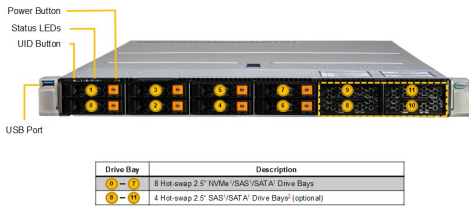
- Single AMD EPYC™ 9004/9005\* Series Processor  
(\*AMD EPYC™ 9005 series drop-in support requires board revision 2.x);
- Support up to DDR5 24 DIMM slots (2DPC)  
(Please check System Memory Section for detail);
- 2 PCIe 5.0 x16 FHFL slots  
1 PCIe 5.0 x16 FHHL slot  
Flexible networking options with 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;
- Dual 1200W Redundant Titanium Level power supplies  
(Power supply full redundancy based on configuration and application load);



Form Factor	1U 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 192C/320T
GPU	Max GPU Count: Up to 1 double-width or 2 single-width GPUs Supported GPU: NVIDIA PCIe: H100, RTX 4000 Ada Generation, L40S, L4 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 3TB 5200MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (2DPC): Up to 6TB 4400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)
Drive Bays Configuration	Default: Total 8 bays <ul style="list-style-type: none"><li>• 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays</li></ul> Option A: Total 12 bays <ul style="list-style-type: none"><li>• 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays</li></ul> (*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 <ul style="list-style-type: none"><li>• 1 PCIe 5.0 x16 FHHL slot</li><li>• 2 PCIe 5.0 x16 FHFL slots</li><li>• 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)</li></ul>
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)

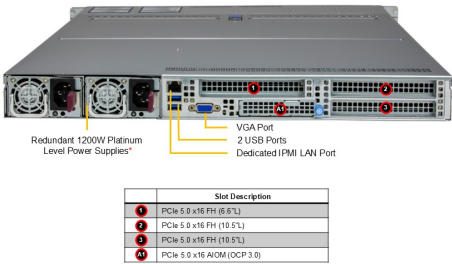


(Front View – System)



<sup>1</sup> NVMe/SAS/SATA functionality depends on configuration chosen and may require additional parts from the optional parts kit  
<sup>2</sup> Drive trays and backplane optional for drive slots 5-11, see optional parts kit

(Rear View – System)



<sup>2</sup> Full redundancy based on configuration and application load

System Cooling	<p>Fans: Up to 8 counter-rotating 40x40x56mm Fan(s)</p> <p>Air Shroud: 1 Air Shroud</p>
Power Supply	<p>2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies</p>
System BIOS	<p>BIOS Type: AMI 32MB SPI Flash EEPROM</p> <p>BIOS Features: ACPI 6.4</p> <p>Plug and Play (PnP)</p> <p>SMBIOS 3.5 or later</p> <p>UEFI 2.8</p> <p>USB Keyboard support</p>
Management	<p>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!</p>
PC Health Monitoring	<p>FAN: Fans with tachometer monitoring</p> <p>Status monitor for speed control</p> <p>Pulse Width Modulated (PWM) fan connectors</p> <p>Temperature: Monitoring for CPU and chassis environment</p> <p>Thermal Control for fan connectors</p> <p>Voltage:</p> <p>System temperature, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support</p>
Dimensions and Weight	<p>Weight: Gross Weight: 51 lbs (23.1 kg)</p> <p>Net Weight: 32 lbs (14.5 kg)</p> <p>Available Color: Black front &amp; silver body</p>
Operating Environment	<p>Operating Temperature: 10°C to 35°C (50°F to 95°F)</p> <p>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</p> <p>Operating Relative Humidity: 8% to 90% (non-condensing)</p> <p>Non-operating Relative Humidity: 5% to 95% (non-condensing)</p>
Motherboard	<p><a href="#">Super H13SSH</a></p>
Chassis	<p><b>CSE-HS119-R1K24P2-A</b></p>