

Hyper A+ Server AS -2115HS-TNR-01-G2

2U UP Hyper with 24 hot-swap 2.5" drive bays and 1 PCIe 5.0 slot



More details here

Key Applications

In-Memory Database for AI Inferencing

Gold Configuration Details

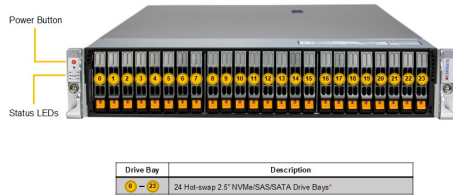
- CPU: 1x AMD EPYC™ 9655P (96C/2.6GHz)
- Memory: 1.5TB DDR5-4000
- Storage: 2x 7.6TB U.2 NVMe SSD
- NIC: 1x NVIDIA® BlueField®-3 B3220
- Power: 2x 1600W Titanium Level



Base System Specs

Form Factor	2U Enclosure: 437 x 88.9 x 760mm (17.2" x 3.5" x 29.9") Package: 605 x 263 x 1107mm (23.8" x 10.4" x 43.6")
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 2 double-width GPUs Supported GPU: NVIDIA PCIe: RTX 6000 Ada Generation, RTX A6000 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 1R RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (2DPC): Up to 6TB 4000MT/s ECC DDR5 2R RDIMM (AMD EPYC™ 9005 Series Processor)
Drive Bays Configuration	(*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)
On-Board Devices	Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) Video: 1 VGA port

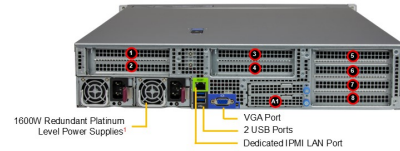
(Front View – System)



Drive Bay	Description
1-24	24 Hot-swap 2.5" NVMe/SAS/SATA Drive Bays*

*NVMe/SAS/SATA functionality depends on configuration chosen and may require additional parts from the optional parts kit

(Rear View – System)



Slot Description		Slot Description	
Option 1	Option 2	Option 1	Option 2
1 PCIe 5.0 x16 FH (10.5L)	PCIe 5.0 x8 FH (10.5L)	1 PCIe 5.0 x16 FH (10.5L)	PCIe 5.0 x8 FH (10.5L)
2 Not available	PCIe 5.0 x8 FH (10.5L)	2 Not available	PCIe 5.0 x8 FH (10.5L)

Slot Description			Slot Description
Option 1	Option 2	Option 3	Option 4
1 PCIe 5.0 x16 FH (10.5L)	PCIe 5.0 x16 FH (10.5L)	PCIe 5.0 x8 FH (10.5L)	1 PCIe 5.0 x16 AIOM (OCP 3.0)
2 Not available	Not available	PCIe 5.0 x8 FH (10.5L)	
3 PCIe 5.0 x8 FH (10.5L)	PCIe 5.0 x16 FH (10.5L)	PCIe 5.0 x8 FH (10.5L)	
4 PCIe 5.0 x8 FH (10.5L)	Not available	PCIe 5.0 x8 FH (10.5L)	

1 Full redundancy based on configuration and application load
 2 Slots 1, 2, 3, 4, 5 are not available with 24 drive configuration
 3 Slots 1, 4, 5 are not available with 25 drive configuration

System Cooling	Fans: Up to 4x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	2x 1600W Redundant (1 + 1) 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® (SCC); 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 Pulse Width Modulated (PWM) fan connectors Status monitor for speed control 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: 72 lbs (32.7 kg) Net Weight: 39 lbs (17.7 kg) Available Color: Black front & silver body
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 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-HS219-R1K63P-A