

Hyper A+ Server AS -2115HS-TNR

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



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)
Configuration Options for up to; 4 PCIe 5.0 x16 Slots OR; 8 PCIe 5.0 x8 Slots or; 3 PCIe 5.0 x16 Slots + 2 PCIe 5.0 x8 Slots or; 2 PCIe 5.0 x16 Slots + 4 PCIe 5.0 x8 Slots or; 1 PCIe 5.0 x16 Slots + 6 PCIe 5.0 x8 Slots;
- 1600W Redundant Power Supplies (Titanium Level);
- 2 On-board NVMe M.2 slots; 1x PCIe 3.0 x4, 1x PCIe 3.0 x2; 80mm/110mm (Boot);



Form Factor	2U Rackmount 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 Socket SP5 AMD EPYC™ 9004 Series Processors Up to 128C/256T
GPU	Max GPU Count: Up to 2 double-width GPU(s) Supported GPU: NVIDIA PCIe: RTX A6000, RTX 6000 Ada Generation 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 24 bay(s) <ul style="list-style-type: none"> • 24 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 <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option A* <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) FHFL double-width slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option B* <ul style="list-style-type: none"> • 2 PCIe 5.0 x8 (in x16) FHFL slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option C* <ul style="list-style-type: none"> • 2 PCIe 5.0 x16 (in x16) FHFL double-width slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option D* <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) FHFL double-width slot(s) • 2 PCIe 5.0 x8 (in x16) FHFL slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option E* <ul style="list-style-type: none"> • 4 PCIe 5.0 x8 (in x16) FHFL slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option F* <ul style="list-style-type: none"> • 4 PCIe 5.0 x16 (in x16) FHFL double-width slot(s)

- 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)

Option G*

- 3 PCIe 5.0 x16 (in x16) FHFL double-width slot(s)
- 2 PCIe 5.0 x8 (in x16) FHFL slot(s)
- 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)

Option H*

- 2 PCIe 5.0 x16 (in x16) FHFL double-width slot(s)
- 4 PCIe 5.0 x8 (in x16) FHFL slot(s)
- 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)

Option I*

- 1 PCIe 5.0 x16 (in x16) FHFL double-width slot(s)
- 6 PCIe 5.0 x8 (in x16) FHFL slot(s)
- 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)

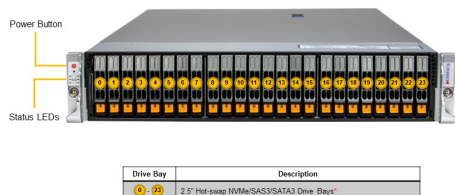
On-Board Devices

Chipset: System on Chip
Network Connectivity: Via AIOM

Input / Output

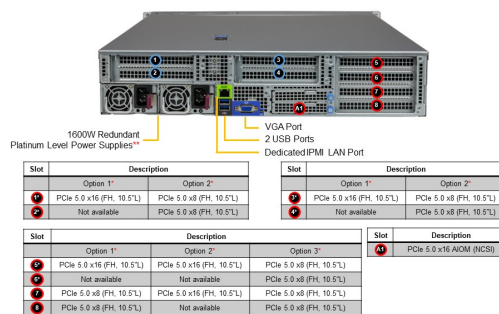
LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)
USB: 2 USB 3.0 port(s) (rear)
Video: 1 VGA port(s)

(Front View – System)



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

(Rear View – System)



* Slots 1, 2, 3, 4, 5, 6 are not available with 24 H/Me configuration
 ** Full redundancy based on configuration and application load.

System Cooling	Fans: 4x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s)
Power Supply	2x 1600W 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: 72 lbs (32.7 kg) Net Weight: 39 lbs (17.7 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-HS219-R1K63P-A