SuperWorkstation A+ Server AS -2115HV-TNRT

2U UP rackmount workstation with 8 hot-swap NVMe/SAS/SATA drive bays and PCIe 5.0

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More details here

Key Applications

Deep Learning/AI/Machine Learning Development, Cloud Gaming, Rack Workstation,



Key Features

- 2600W Redundant Power Supplies Titanium Level Certified
  Optional Configuration: 1600W and 2000W Redundant Power Supplies (*Full redundancy based on configuration and application load);
- AMD Ryzen™ Threadripper™ PRO 7000WX series LGA-4844 up to 350W TDP Processors, CPU and Memory Overclocking supported;
- 8x DDR5 ECC Registered RDIMM/3DS RDIMM, DDR5-5200MHz Up to total 2TB;
- 1 AIOM/OCP NIC 3.0 Slot (Optional parts required for 2nd AIOM slot)
  Up to 4x PCIe 5.0 x16 (FHFL) slots or 8x PCIe 5.0 x8 (FHFL) slots;
- 8 Hot-swap 2.5" NVMe/SAS/SATA (Optional parts required for NVMe/SAS/SATA configurations);

Form Factor	2U Rackmount Enclosure: 437 x 88.9 x 806.2mm (17.2" x 3.5" x 31.74") Package: 672 x 253 x 1100mm (26.46" x 9.96" x 43.31")
Processor	Single processor(s) AMD Ryzen™ Threadripper™ PRO 7000 WX-Series Up to 96C/192T; Up to 384MB Cache
GPU	Max GPU Count: Up to 4 double-width GPU(s) Supported GPU: NVIDIA PCIe: RTX A6000, RTX 6000 Ada Generation, L40S CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
System Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 5200MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bay(s) • 8 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: 2 M.2 PCIe 4.0 x4 NVMe slot(s) (M-key 22110(default)/2280)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 4 PCIe 5.0 x16 (in x16) FH/10.5"L double-width slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option A • 8 PCIe 5.0 x8 (in x16) FHFL slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) M.2: 2 M.2 PCIe 4.0 x4 NVMe slot(s) (M-key 22110(default)/2280)
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)

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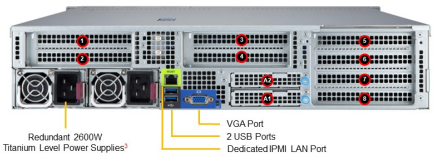
(Front View – System)



Drive Bay	Description
0 – 7	Hot-swap 2.5" NVMe/SAS3/SATA3 Drive Bays*

*NVMe/SAS3/SATA3 requires additional parts from optional parts list.

(Rear View – System)



	Slot Description	
	Option 1[1]	Option 2[1]
1 3	PCIe 5.0 x16	PCIe 5.0 x8 (in x16)
2 4	Not available	PCIe 5.0 x8 (in x16)

	Slot Description		
	Option 1[1]	Option 2[1]	Option 3[1]
5	PCIe 5.0 x16	PCIe 5.0 x16	PCIe 5.0 x8 (in x16)
6	Not available	Not available	PCIe 5.0 x8 (in x16)
7	PCIe 5.0 x16	PCIe 5.0 x8 (in x16)	PCIe 5.0 x8 (in x16)
8	Not available	PCIe 5.0 x8 (in x16)	PCIe 5.0 x8 (in x16)

	Slot Description
A1	PCIe 5.0 x16 AIOM (OCP 3.0)
A2	PCIe 5.0 x16 AIOM (OCP 3.0)[2]

[1] Requires additional parts
[2] Not available for 8 NVMe drive configuration
[3] Full redundancy based on configuration and application load

System Cooling	Fans: 6x 6cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s)
Power Supply	2x 2600W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash BIOS Features: SMBIOS 3.5 or later UEFI 2.9 ACPI 6.5 SMBIOS 3.6 or later UEFI 2.8 Plug and Play (PnP) 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: 75 lbs (34 kg) Net Weight: 45 lbs (20.5 kg) Available Color: Silver
Operating Environment	RoHS Compliant 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 H13SRH**
Chassis	**CSE-HS201-R000NFP**

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