Hyper A+ Server AS -2015HS-TNR

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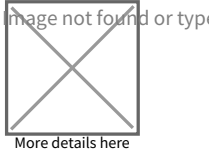
Key Applications

Virtualization, Software-defined Storage, AI Inference and Machine Learning, Cloud Computing, Enterprise Server,

Key Features

- 4th Generation AMD EPYC™ 9004 Series Processor;
- ASPEED AST2600;
- 24x DIMM slots, DDR5-4000MHz/3600MHz (2DPC) , up to 6TB; (12 x DIMM slots , DDR5-4800MHz (1DPC) , up to 3TB);
- 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; 1 AIOM/OCP NIC 3.0 Slot;
- 12 Hot-swap 3.5" NVMe/SAS/SATA (Optional parts required for NVMe/SAS/SATA configurations);
- 1200W Redundant Power Supplies (Titanium Level); Optional Configuration: 1300W Redundant DC Power Supplies;(*Full redundancy based on configuration and application load);
- 2 On-board PCIe Gen4 M.2 NVMe 80mm/110mm (Boot);

Form Factor	2U Rackmount Enclosure: 437 x 88.9 x 803mm (17.2" x 3.5" x 31.6") Package: 605 x 263 x 1107mm (23.8" x 10.4" x 43.6")
Processor	4th Gen AMD EPYC™ 9004 Series Processor Single Socket (Socket SP5) supported TDP up to W; 4 UPI (Certain CPUs with high TDP may be supported only under specific conditions. Please contact Supermicro Technical Support for additional information about specialized system optimization)
System Memory	24 DIMM slots
Drive Bays	12x 3.5" hot-swap NVMe/SATA/SAS drive bays 2x NVMe (PCIe Gen4, Boot drive only) M-Key, 2280/22110
Expansion Slots	4 (Optional) PCIe 5.0 x16 FHFL slot(s) 8 (Optional) PCIe 5.0 x8 FHFL slot(s)
On-Board Devices	Chipset: System on Chip Network Connectivity: Via AIOM IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 Dedicated IPMI LAN port USB: 2 USB 3.0 port(s) (2 rear) Video: 1 VGA port(s)

System Cooling	4x 8cm heavy duty fan(s)
Power Supply	1U 800W/1200W Redundant Titanium CRPS w/PMBus power supply Dimension (W x H x L): 73.5 x 40 x 265 mm Output Type: 25 Pairs Gold Finger Connector
System BIOS	BIOS Type: AMI 256MB SPI Flash BIOS Features: USB Keyboard support
Management	SuperDoctor® 5; Watch Dog; SUM; SPM; SSM; IPMICFG; IPMIView for Linux/ Windows

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	Height: 3.5" (88.9 mm) Width: 17.2" (437 mm) Depth: 31.6" (803 mm) Gross Weight: 69 lbs (31.3 kg) Net Weight: 39 lbs (17.7 kg) Packaging: 10.4" (H) x 23.8" (W) x 43.6" (D) Available Color: Black front & sliver 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-HS829-R1K24P-A