MicroCloud A+ Server AS -3015MR-H5TNR

3U 5-Node MicroCloud with double-width GPU support

More details here

Key Applications

Cloud Computing, Web Cache, Web/Collocation Services, Content Delivery Network (CDN), Download Server, Social Network, Video Streaming,

Key Features

- Single Socket AM5 (LGA-1718) AMD EPYC™ 4005/4004 or Ryzen™ 7000 / 9000 Series Processor up to 200W with air cooling;
- Support for up to 1 double-width PCIe GPU accelerator card;
- Up to 192GB DDR5-5600MT/s (1DPC)/ 3600MT/s (2DPC), in 4 DIMM sockets;
- Default Config: 1 PCIe 5.0 x16 FHFL + 1 PCIe 5.0 x4 MicroLP slots
  Optional Config: 2 PCIe 5.0 x8 (1 FHFL + 1 LP) + 1 PCIe 5.0 x4 MicroLP slots;
- Up to 2 internal fixed 2.5" NVMe + 2 internal fixed 2.5" SATA drive bays;
- 4 Redundant 2000W Titanium Level power supplies;
- 3U Rackmount chassis with 30.51" (775mm) depth;

Form Factor	3U Rackmount Enclosure: 449 x 131 x 775mm (17.68" x 5.16" x 30.51")
Processor	Single Socket AM5 (LGA-1718) AMD EPYC™ 4005/4004 Series Processor Up to 16C/32T; Up to 128MB Cache
GPU	Max GPU Count: Up to 1 double-width GPU Supported GPU: NVIDIA PCIe: NVIDIA RTX PRO™ 4500 Blackwell Server Edition
System Memory	Slot Count: 4 DIMM slots Max Memory (1DPC): Up to 192GB 5600MT/s ECC/non-ECC DDR5 UDIMM Max Memory (2DPC): Up to 192GB 3600MT/s ECC/non-ECC DDR5 UDIMM
Drive Bays Configuration	Default: Total 4 bays • 2 internal fixed 2.5" PCIe 5.0 NVMe drive bays • 2 internal fixed 2.5" SATA drive bays M.2: 1 M.2 NVMe slot (M-key 2280/22110)
Expansion Slots	Default • 1 PCIe 5.0 x16 FHFL double-width slot • 1 PCIe 5.0 x4 MicroLP slot Option A • 1 PCIe 5.0 x8 FHFL slot • 1 PCIe 5.0 x4 MicroLP slot • 1 PCIe 5.0 x8 LP slot
On-Board Devices	NVMe: NVMe; (Native) Network Connectivity: No NIC option supported
Input / Output	USB: 2 USB 2.0 ports Video: 1 port TPM: 1 TPM Onboard/port 80

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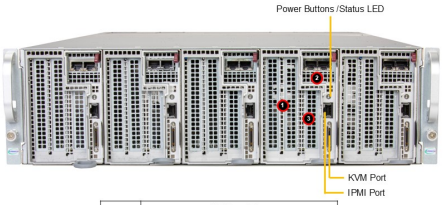
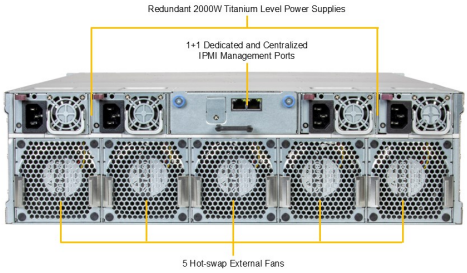
(Front View – System)



	Slot Description	
	Default	Optional Configuration[2]
1	PCIe 5.0 x16 FHFL	PCIe 5.0 x8 FHFL
2	PCIe 5.0 x4 Micro LP[1]	PCIe 5.0 x4 Micro LP[1]
3	---	PCIe 5.0 x8 LP

[1]Supports dual 1GbE/10GbE/25GbE LAN card
[2]Optional 2 PCIe 5.0 x8 via slots 1 & 3

(Rear View – System)



System Cooling	Fans: Up to 5 Heavy Duty 8cm Fan(s) Air Shroud: 10 Air Shrouds
Power Supply	4x 2000W Redundant (3 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
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); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	CPU: 3-Phase-switching voltage regulator with auto-sense from 0.5V-2.3V Monitors for CPU Cores, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. Fan: Fan speed control, Dual Cooling Zone Temperature: Monitoring for CPU and chassis environment
Dimensions and Weight	Weight: Gross Weight: 147 lbs (66.68 kg) Net Weight: 107.5 lbs (48.76 kg) Available Color: No Paint
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	**Super H13SRE-F**
Chassis	**CSE-MC301G-000NFP**

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