

## MicroCloud A+ Server AS -3015MR-H10TNR

3U 10-Node MicroCloud with single-width GPU support

## **Key Applications**

Cloud Computing, Web/Collocation Services, Web Cache, CDN, Video Streaming, Social Networking, Downloads, Corporate - WINS, DNS, Print, Login,

## **Key Features**

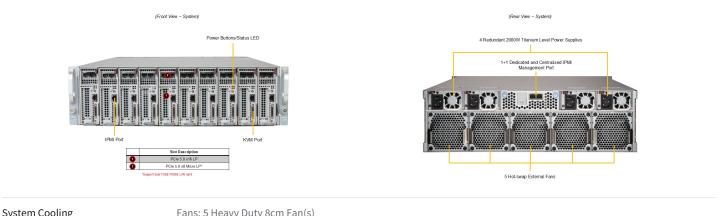
- Single Socket AM5 (LGA-1718) AMD EPYC<sup>™</sup> 4004 Series Processor up to 170W with air cooling;
- Support for up to 1 single-width PCIe GPU accelerator cards;
- Up to 4 DIMMs supporting up to 192GB DDR5-5200 in 2DPC;
- Up to 1 PCIe 5.0 x16 LP + 1 PCIe 5.0 x4 MicroLP slots;
- Up to 4 internal 2.5" (2 NVMe and 2 SATA) drive bays;
- 2000W Redundant (2+2 or 3+1) 80+ Titanium Level high-efficiency power supplies;



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™ 4004 Series Processor
	Up to 16C/32T; Up to 32MB Cache
GPU	Max GPU Count: Up to 1 single-width GPU
	Supported GPU: NVIDIA PCIe: L4, A2
System Memory	Slot Count: 4 DIMM slots
	Max Memory (2DPC): Up to 192GB 5200MT/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 LP slot
	• 1 PCIe 5.0 x4 MicroLP slot
On-Board Devices	NVMe: NVMe; (Native)
	Chipset: System on Chip
	Network Connectivity: No NIC option supported
Input / Output	USB: 2 USB 2.0 ports
	Video: 1 port
	TPM: 1 TPM Onboard/port 80







Chassis	CSE-MC301-000NFP
Motherboard	Super H13SRE-F
e por a un g a rivino interne	Non-operating Relative Humidity: 8% to 90% (non-condensing)
	Operating Relative Humidity: 8% to 80% (non-condensing)
	Non-operating Temperature: -30°C to 60°C (-22°F to 140°F)
	Operating Temperature: 10°C to 35°C (50°F to 95°F)
Operating Environment	RoHS Compliant
	Available Color: No Paint
	Net Weight: 107.5 lbs (48.76 kg)
Dimensions and Weight	Weight: Gross Weight: 147 lbs (66.68 kg)
	FAN: Fan speed control, Dual Cooling Zone
	3-Phase-switching voltage regulator with auto-sense from 0.5V-2.3V
	CPU: Monitors for CPU Cores, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages.
PC Health Monitoring	Temperature: Monitoring for CPU and chassis environment
	Automation Assistant (SAA) New!
	SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Power Supply	4x 2000W Redundant (3 + 1) Titanium Level (96%) power supplies
	Air Shroud: 10 Air Shrouds
System Cooling	Fans: 5 Heavy Duty 8cm Fan(s)