

MicroCloud A+ Server AS -3015MR-H10TNR



More details here

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™ 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")
 Package: 690 x 440 x 1140mm (27.17" x 17.32" x 44.88")

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: T4, 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

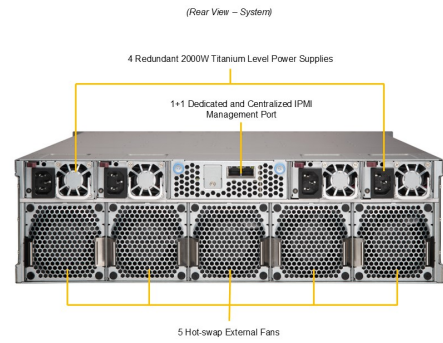
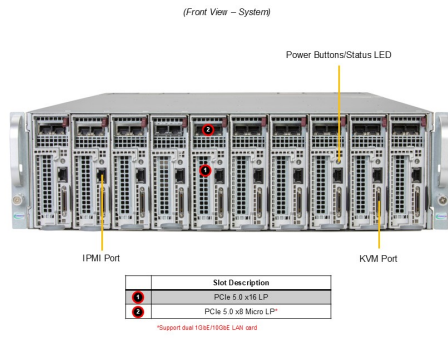
- 1 PCIe 5.0 x16 LP slot
- 1 PCIe 5.0 x4 MicroLP slot

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



System Cooling	Fans: 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; 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	Temperature: Monitoring for CPU and chassis environment CPU: Monitors for CPU Cores, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. 3-Phase-switching voltage regulator with auto-sense from 0.5V-2.3V FAN: Fan speed control, Dual Cooling Zone
Dimensions and Weight	Weight: Gross Weight: 90.39 lbs (41 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-MC301-000NFP