

MicroCloud A+ Server AS -3015MR-H8TNR

3U 8-Node MicroCloud with single-width GPU support



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

- 8 sets of AMD EPYC™ 4004 Series Processor;
- AMD Knoll - Integrated I/O Controller Hub;
- 8 sets of up to 192GB ECC/non ECC UDIMM; DDR5 5200MHz, in 4 DIMM sockets;
- 8 sets of 1 PCIe 5.0 x8 (in x16) LP slots + 1 Micro-LP slot;
- 8 sets of 2 front NVMe U.2/ SAS/ SATA3 drive bays with optional kits;
- 2200W Redundant 80+ Titanium Level high-efficiency power supplies;



Form Factor

3U Rackmount
 Enclosure: 438 x 132 x 589mm (17.26" x 5.21" x 23.2")
 Package: 667 x 295.91 x 863.6mm (26.26" x 11.65" x 34")

Processor

Single Socket AM5 (LGA-1718)
 AMD EPYC™ 4004 Series Processor
 Up to 16C/32T; Up to 16MB 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 non-ECC DDR5 UDIMM

Drive Bays Configuration

Default: Total 2 bays
 • 2 front fixed 3.5"/2.5" NVMe/SAS*/SATA* drive bays
 (*SAS/SATA support may require additional storage controller and/or cables)
 M.2: 1 M.2 NVMe/SATA slot (M-key 2280/22110)

Expansion Slots

Default
 • 1 PCIe 5.0 x8 (in x16) LP slot
 • 1 PCIe 5.0 x8 MicroLP slot

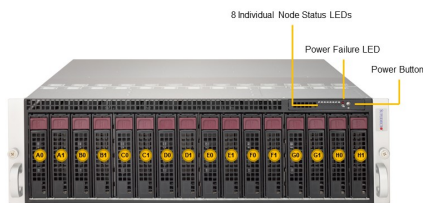
On-Board Devices

NVMe: NVMe; (Native)
 Chipset: AMD Knoll - Integrated I/O Controller Hub
 Network Connectivity: No NIC option supported

Input / Output

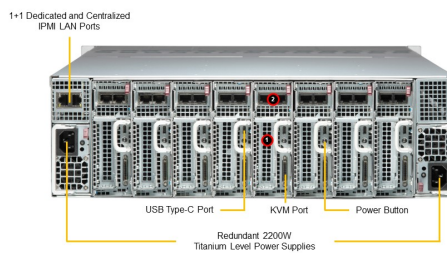
USB: 2 USB 2.0 ports
 1 Type-C port(front)
 Video: 1 port
 TPM: 1 TPM Onboard/port 80

(Front View – System)



Drive Bay (node A-F)	Description
	2 Hot-swap 2.5" NVMe Drive Bays (per node)

(Rear View – System)



Slot	Slot Description
	PCIe 5.0 x8 (in x16) LP
	PCIe 4.0 x8 Micro LP

*Supports single-bay 1GbE/10GbE LAN cards.

System Cooling	Fans: 4 Heavy Duty 8cm Fan(s) Air Shroud: 8 Air Shrouds
Power Supply	2x 2200W Redundant (1 + 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: 88 lbs (39.92 kg) Net Weight: 62.2 lbs (28.21 kg) Available Color: N/A
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 H13SRD-F
Chassis	CSE-938NH-R2K20BP2