

MicroCloud A+ Server AS -3015MR-H8TNR

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



Key Applications

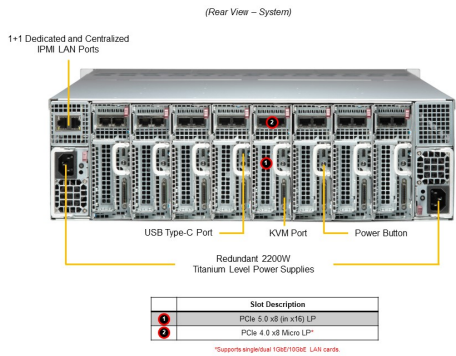
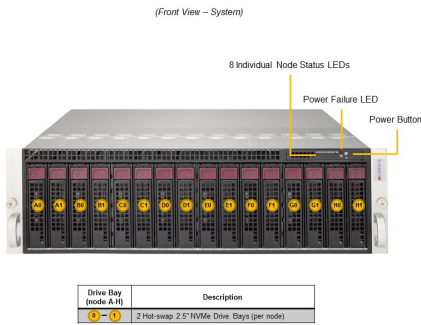
Cloud Computing, Web/Collocation Services, Web Cache, CDN, Video Streaming, Social Networking, Downloads, Corporate - WINS, DNS, Print, Login,

Key Features

- Single Socket AM5 (LGA-1718) AMD EPYC™ 4005/4004 or Ryzen™ 7000 / 9000 Series Processor up to 170W with air cooling;
- AMD Knoll - Integrated I/O Controller Hub;
- 8 sets of up to 192GB ECC/non ECC UDIMM; DDR5 5600MHz, 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™ 4005/4004 Series Processor Up to 16C/32T; Up to 128MB Cache
GPU	Max GPU Count: Up to 1 single-width GPU Supported GPU: NVIDIA PCIe: A2, L4, T4
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 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, please see the optional parts list for details) M.2: 1 M.2 NVMe 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) 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



System Cooling	Fans: Up to 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® (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: 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