

# MicroCloud A+ Server AS -3015MR-H10TNR

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



[More details here](#)

## Key Applications

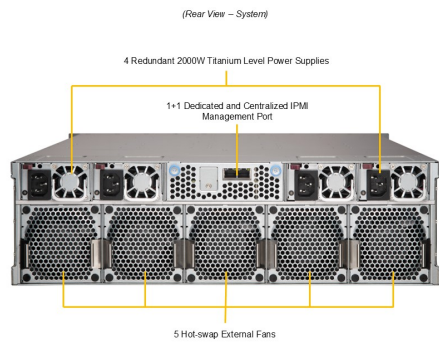
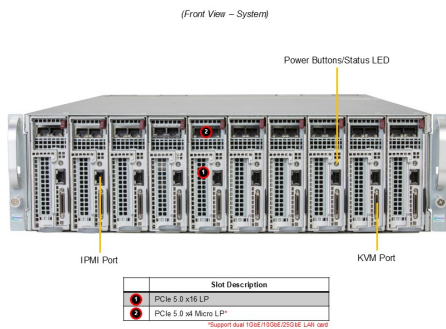
Cloud Computing, Web/Collocation Services, Web Cache, CDN, Video Streaming, Social Networking, Downloads, Corporate - WINS, DNS, Print, Login,

## Key Features

- Single Socket AM5 (LGA-1718) AMD EPYC™ 4005/4004 or Ryzen™ 7000 / 9000 Series Processor up to 170W with air cooling;
- Support for up to 1 single-width PCIe GPU accelerator cards;
- Up to 192GB DDR5-5600MT/s (1DPC)/ 3600MT/s (2DPC), in 4 DIMM sockets;
- 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<br>Enclosure: 449 x 131 x 775mm (17.68" x 5.16" x 30.51")  |
| Processor                | Single Socket AM5 (LGA-1718)<br>AMD EPYC™ 4005/4004 Series Processor<br>Up to 16C/32T; Up to 128MB Cache  |
| GPU                      | Up to 1 single-width GPU  |
| System Memory            | Slot Count: 4 DIMM slots<br>Max Memory (1DPC): Up to 192GB 5600MT/s ECC/non-ECC DDR5 UDIMM<br>Max Memory (2DPC): Up to 192GB 3600MT/s ECC/non-ECC DDR5 UDIMM  |
| Drive Bays Configuration | Default: Total 4 bays <ul style="list-style-type: none"> <li>• 2 internal fixed 2.5" PCIe 5.0 NVMe drive bays</li> <li>• 2 internal fixed 2.5" SATA drive bays</li> </ul> M.2: 1 M.2 NVMe slot (M-key 2280/22110) |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>• 1 PCIe 5.0 x16 LP slot</li> <li>• 1 PCIe 5.0 x4 MicroLP slot</li> </ul>  |
| On-Board Devices         | NVMe: NVMe; (Native)<br>Chipset: System on Chip<br>Network Connectivity: No NIC option supported  |
| Input / Output           | USB: 2 USB 2.0 ports<br>Video: 1 port<br>TPM: 1 TPM Onboard/port 80   |



|                       |  |
|-----------------------|--|
| System Cooling        | Fans: Up to 5 Heavy Duty 8cm Fan(s)<br>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<br>CPU: Monitors for CPU Cores, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages.<br>3-Phase-switching voltage regulator with auto-sense from 0.5V-2.3V<br>FAN: Fan speed control, Dual Cooling Zone |
| Dimensions and Weight | Weight: Gross Weight: 147 lbs (66.68 kg)<br>Net Weight: 107.5 lbs (48.76 kg)<br>Available Color: No Paint  |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -30°C to 60°C (-22°F to 140°F)<br>Operating Relative Humidity: 8% to 80% (non-condensing)<br>Non-operating Relative Humidity: 8% to 90% (non-condensing)                              |
| Motherboard           | <a href="#"><u>Super H13SRE-F</u></a>  |
| Chassis               | CSE-MC301-000NFP   |