

MegaDC SuperServer ARS-211M-NR

2U UP MegaDC with 4 hot-swap 2.5" NVMe drives



[More details here](#)

Key Applications

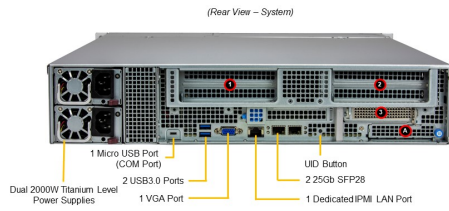
High Performance Computing, Immersive Media, Cloud Gaming / AICAN, AI Inference / Training, Dense-VDI, Video-on-Demand,

Key Features

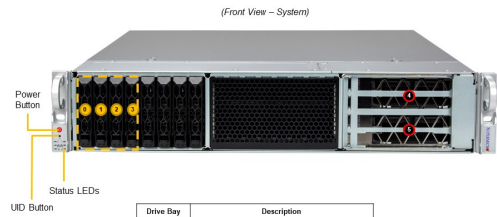
- Single Socket Ampere® AmpereOne® Processor (Up to 192 Cores; Up to 3.2Ghz) ; Up to 400W TDP;
- 16 DIMMs; Up to 4TB ECC Registered DDR5-5600/4800MHz RDIMM/LRDIMM;
- Supports up to 4 PCIe 5.0 x16 Double Wide GPU Cards (Up to 300W per GPU), 1 PCIe 5.0 x16 LP Slot, 1 AIOM Slot (OCP3.0 Mezzanine Compatible);
- 2x 25Gb LAN SFP28 Ports via BCM57414 Controller w/NC-SI;
- 4x 2.5" U.2 NVMe Hot-Swap Drive Bays (Options available for up to 16 or 24 Drive Bays via a Modular Bay Design);
- 2000W Redundant Titanium Level high-efficiency power supplies;
- 1 VGA, 1 (Serial) Micro USB Port, 2 USB3.0 (2 Rear);



Form Factor	2U Rackmount Enclosure: 437 x 88.9 x 648mm (17.2" x 3.5" x 25.5") Package: 674 x 279.4 x 863.6mm (26.5" x 11" x 34")
Processor	Single processor(s) Ampere® AmpereOne® processor
GPU	Up to 4 double-width GPUs
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 2TB 5200MT/s ECC DDR5 RDIMM/LRDIMM Max Memory (2DPC): Up to 4TB 4400MT/s ECC DDR5 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 4 bays <ul style="list-style-type: none"> • 4 front hot-swap 2.5" NVMe drive bays M.2: 1 M.2 NVMe slot (M-key 22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 4 PCIe 5.0 x16 FHFL slots • 1 PCIe 5.0 x16 LP slot • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	Chipset: System on Chip Network Connectivity: 2 SFP28 25GbE with Broadcom®
Input / Output	LAN: 2 SFP28 25 GbE LAN ports 1 RJ45 1 GBASE-T Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) Video: 1 VGA port Serial: 1 port



Slot	Description
1	PCIe 5.0 x16 DW GPU
2	PCIe 5.0 x16 DW GPU
3	PCIe 5.0 x16 (LP)
4	PCIe 5.0 x16 AIOM



Drive Bay	Description
1 - 4	4 Hot-swap 2.5" NVMe Drive Bays

Slot	Description
1	PCIe 5.0 x16 DW GPU
2	PCIe 5.0 x16 DW GPU

System Cooling

Fans: Up to 4 Heavy Duty 8cm Fan(s)
Air Shroud: 1 Air Shroud

Power Supply

2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies

PC Health Monitoring

CPU: Monitors for CPU Cores, Chipset Voltages, Memory
FAN: Fans with tachometer monitoring
Pulse Width Modulated (PWM) fan connectors
Status monitor for speed control
Temperature: Monitoring for CPU and chassis environment
Thermal Control for fan connectors

Dimensions and Weight

Weight: Gross Weight: 59 lbs (26.76 kg)
Net Weight: 35.3 lbs (16 kg)
Available Color: Black

Operating Environment

RoHS Compliant
Operating Temperature: 10°C to 35°C (50°F to 95°F)
Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
Operating Relative Humidity: 8% to 90% ()
Non-operating Relative Humidity: 5% to 95% ()

Motherboard

[Super R13SPD](#)

Chassis

CSE-LB26TS-R0AMBNDP2