

# MegaDC SuperServer ARS-211M-NR

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



More details here

## Key Applications

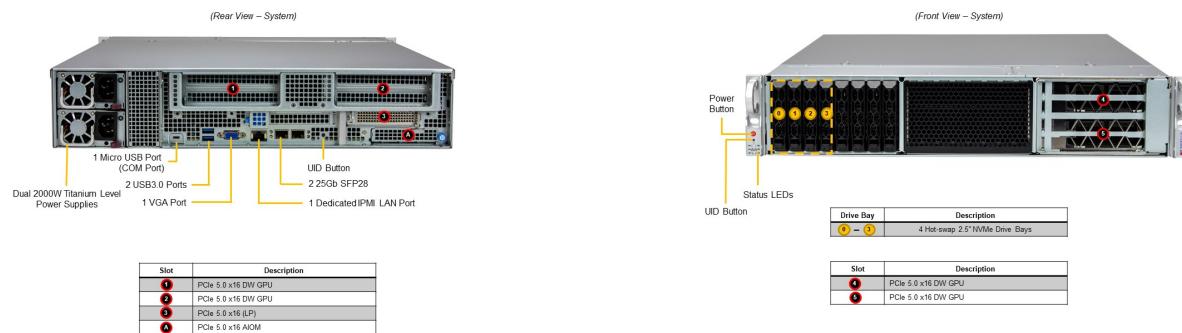
High Performance Computing, Immersive Media, Cloud Gaming / AICAN, AI Inference / Training, Dense-VDI, Video-on-Demand,

## 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"> <li>• 4 front hot-swap 2.5" NVMe drive bays</li> </ul> M.2: 1 M.2 NVMe slot (M-key 22110)
Expansion Slots	Default <ul style="list-style-type: none"> <li>• 4 PCIe 5.0 x16 FHFL slots</li> <li>• 1 PCIe 5.0 x16 LP slot</li> <li>• 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)</li> </ul>
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

**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**