

MegaDC SuperServer ARS-111M-NR

1U UP MegaDC with 10 hot-swap 2.5" NVMe drives



More details here

Key Applications

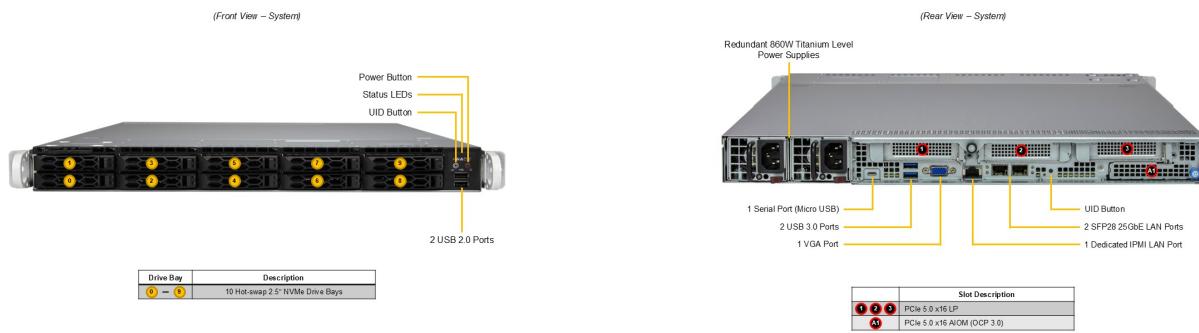
Enterprise Server, Hyperscale Data Center, Front End Server, Infrastructure,

Key Features

- Single Socket Ampere® AmpereOne® Processor (Up to 192 Cores) ; Up to 400W TDP;
- 16 DIMMs; Up to 4TB ECC Registered DDR5-5600MHz RDIMM/LRDIMM;
- 3 PCIe 5.0 x16 (LP) Slots, 1 AIOM Slot (OCP3.0 Mezzanine Compatible);
- 2x 25Gb LAN SFP28 Ports via BCM57414 Controller w/NC-SI;
- 10x 2.5" U.2 NVMe Hot-Swap Drive Bays;
- 860W Redundant Titanium Level High-efficiency Power Supplies;
- 1 VGA, 1 (Serial) Micro USB Port, 2 USB3.0 (2 Rear);



Form Factor	1U Rackmount Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5") Package: 602 x 190.5 x 800.1mm (23.7" x 7.5" x 31.5")
Processor	Single processor(s) Ampere® AmpereOne® processor
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 10 bays <ul style="list-style-type: none">• 10 front hot-swap 2.5" NVMe drive bays M.2: 1 M.2 NVMe slot (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none">• 3 PCIe 5.0 x16 LP slots• 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	Chipset: System on Chip Network Connectivity: 1 SFP28 25GbE with Broadcom® 2 SFP28 10GbE with Broadcom® (optional)
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 SFP28 25 GbE LAN ports USB: 2 USB 3.0 ports(rear) 2 USB 2.0 ports(front) Video: 1 VGA port Serial: 1 port



System Cooling

Fans: Up to 6 Heavy Duty 4cm Fan(s)
 Air Shroud: 1 Air Shroud

Power Supply

2x 860W 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: 46 lbs (20.9 kg)
 Net Weight: 25 lbs (11.34 kg)
 Available Color: Black front & silver body

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-Condensing)
 Non-operating Relative Humidity: 5% to 95% (Non-Condensing)

Motherboard

[Super R13SPD](#)

Chassis

CSE-LB16TS-R000AMNFP