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 • 10 front hot-swap 2.5" NVMe drive bays M.2: 1 M.2 NVMe slot (M-key 2280/22110)
Expansion Slots	Default • 3 PCIe 5.0 x16 LP slots • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	Chipset: Ampere® 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

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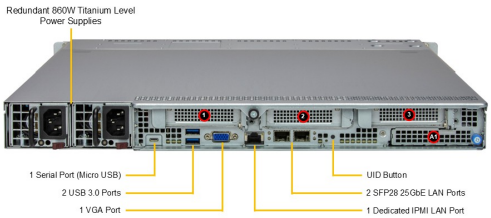
(Front View – System)

Drive Bay	Description
0 – 9	10 Hot-swap 2.5" NVMe Drive Bays

(Rear View – System)



	Slot Description
1 2 3	PCIe 5.0 x16 LP
AI	PCIe 5.0 x16 AIOM (OCP 3.0)

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 & sliver 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**

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