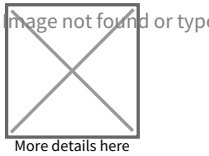


MegaDC SuperServer ARS-110M-NR



Key Applications

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

Key Features

- Single Socket Ampere® Altra® Processor (Up to 80 Cores; Up to 3.3Ghz) / Single Socket Ampere® Altra® Max Processor (Up to 128 Cores; Up to 3.0Ghz) ; Up to 250W TDP;
- 16 DIMMs; Up to 4TB ECC Registered DDR4-3200MHz RDIMM/LRDIMM;
- 3 PCIe 4.0 x16 (LP) Slots, 1 AIOM Slot (OCP3.0 Mezzanine Compatible);
- 2x 10GbE LAN SFP28 Ports via Mellanox ConnectX®-4 Lx EN Controller (or 1x 25GbE LAN SFP28 Port w/Redundancy);
- 10x 2.5" U.2 NVMe Hot-Swap Drive Bays;
- 800W Redundant Platinum Level High-efficiency Power Supplies;
- 1 VGA, 1 (Serial) Micro USB Port, 2 USB3.0 (2 Rear);



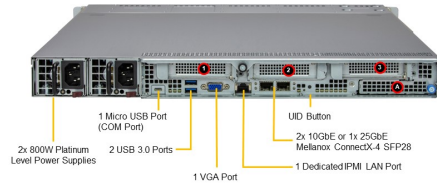
Form Factor	1U Rackmount Enclosure: 436.88 x 43.18 x 596.9mm (17.2" x 1.7" x 23.5") Package: 596.9 x 190.5 x 800.1mm (23.5" x 7.5" x 31.5")
Processor	Ampere® Altra® (Up to 80 Cores and 3.3Ghz) / Altra® Max (Up to 128 Cores and 3.0Ghz) Processor Single Socket 4926-Pin FCLGA supported TDP up to 250W;
System Memory	16 DIMM slots Up to 4TB ECC RDIMM/LRDIMM, DDR4-3200MHz
Drive Bays	10x 2.5" hot-swap NVME drive bays (10x 2.5" NVMe dedicated) 1 M.2 NVMe M-Key, 22110
Expansion Slots	3 PCIe 4.0 x16 LP slot(s) 1 PCIe 4.0 x16 AIOM slot(s)
On-Board Devices	Chipset: System on Chip Network Connectivity: 2x 10GbE SFP28 with Mellanox IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated IPMI LAN port 2x 10GbE SFP28 Ethernet LAN Ports (or 1x 25GbE) USB: 2 USB 2.0 port(s) (2 Front_USB) 2 USB 3.0 port(s) (2 Rear_USB) Video: 1 VGA port(s) Serial Port: 1 Serial (Micro USB) Port

(Front View – System)



Drive Bay	Description
1 – 10	10x 2.5" Hot-swap NVMe Drive Bays

(Rear View – System)



Slot	Description
1	PCI-E 4.0 x16 LP
2	PCI-E 4.0 x16 LP
3	PCI-E 4.0 x16 LP (Atra. x8 only)
4	PCI-E 4.0 x16 AICM (Atra. x8 only)

System Cooling	6x 4cm heavy duty fan(s)
Power Supply	800W 1U redundant power supply Dimension (W x H x L): 54.5 x 40 x 220 mm Output Type: Gold Finger Connector
System BIOS	BIOS Type: 256MB SPI Flash EEPROM
Management	IPMI 2.0; KVM with dedicated LAN
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Height: 1.7" (43.18 mm) Width: 17.2" (436.88 mm) Depth: 23.5" (596.9 mm) Gross Weight: 46 lbs (20.9 kg) Net Weight: 25 lbs (11.3 kg) Packaging: 7.5" (H) x 23.5" (W) x 31.5" (D) Available Color: Black
Operating Environment	ROHS: RoHS Compliant Operating Temperature: 10°C ~ 35°C (50°F ~ 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 R12SPD-A
Chassis	CSE-LB16TS-R804AMP2