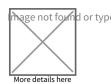


MegaDC SuperServer ARS-210ME-FNR



Key Applications

Telco Edge, Cloud Service Providers, Open-RAN, Artificial Intelligence (AI) on Edge,

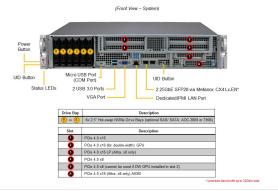
Key Features

- 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;
- Supports 1 PCle 4.0 x16 Double Wide FPFL GPU Card (or 1 PCle 4.0 x16 FPFL Single Slot and 1 PCle 4.0 x8 FPFL Single Slot), 1 PCle 4.0 x16 FPHL Slot, 1 PCle 4.0 x8 FPHL Slot, 1 PCle 4.0 x16 LP Slot, 1 AIOM Slot (OCP3.0 Mezzanine Compatible);
- 2x 25Gb LAN SFP28 Ports via Mellanox ConnectX®-4 Lx EN Controller;
- 6x 2.5" U.2 NVMe Hot-Swap Drive Bays;
- 1000W Redundant Titanium Level High-efficiency Power Supplies;
- 1 VGA, 1 (Serial) Micro USB Port, 2 USB3.0 (2 Rear);



Form Factor	2U Rackmount
	Enclosure: 436.88 x 88.9 x 431.8mm (17.2" x 3.5" x 17")
	Package: 673.1 x 279.4 x 863.6mm (26.5" x 11" x 34")
Processor	Single FCLGA-4926
	Ampere® Altra® / Altra® Max processor
GPU	Max GPU Count: Up to 1 double-width GPU(s)
	Supported GPU: NVIDIA PCIe: A16
System Memory	Slot Count: 16 DIMM slots
	Max Memory (2DPC): Up to 8TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 6 bay(s)
	• 6 front hot-swap 2.5" NVMe drive bay(s)
	M.2: 1 M.2 NVMe slot(s) (M-key 22110)
Expansion Slots	Default
	• 2 PCIe 4.0 x8 FHFL slot(s)
	• 1 PCIe 4.0 x16 FHFL slot(s)
	• 1 PCIe 4.0 x16 LP slot(s)
	• 1 PCIe 4.0 x16 AIOM slot(s) (OCP 3.0 compatible)
On-Board Devices	Chipset: System on Chip
	Network Connectivity: 2 SFP28 25GbE
	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: 2 SFP28 25 GbE LAN port(s)
	1 RJ45 1 GBASE-T Dedicated IPMI LAN port(s)
	USB: 2 USB 3.0 port(s) (front)
	Video: 1 VGA port(s)
	Serial: 1 port(s)







(Rear View - System)

System Cooling	Fans: 4 Heavy Duty 8cm Fan(s)
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	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 ~ 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-LB23MTS-R000NDP