



Specifications – Mt. Hamilton 2U2GPU, Optimized for Immersive Media and Video Streaming

Model	Mt. Hamilton: ARS-210M-NR
Form Factor	2U Rack Server
Number of Processors	1x Ampere Altra/Altra Max CPU, up to 128 Arm v8.2+ 64-bit CPU cores at 3.00 GHz
Memory	<ul style="list-style-type: none"> 8x 72-bit DDR4-3200 channels: up to 16 DIMMs (2DPC) Up to 4 TB of DRAM memory support
Expansion Slots Configurations	<ul style="list-style-type: none"> Up to 2x PCIe Gen4 x16 double wide (DW) GPU cards 1x PCIe Gen4 x16 low profile (LP) card
Storage Drive Bays(NVMeSSDs)	<ul style="list-style-type: none"> Front: 24 SFF NVMe U.2 SSDs Onboard: 1x PCIe Gen4 x4 M.2 NVMe SSD
OCP NIC	OCP 3.0 NIC Card (PCIe Gen4 x16)
Network Interfaces	<ul style="list-style-type: none"> Onboard: CX4 Lx-EN 25Gb/s (or 2x 10Gb/s) Ethernet, NCSI Support BMC: Realtek RTL8211E Dedicated Manageability Port
Power Supply	Dual CRPS 80 PLUS Titanium Redundant PSUs, up to 2400W with PMBus 1.2 Support
Security	TPM 2.0 Header, Root-of-Trust (RoT)
Systems Management	<ul style="list-style-type: none"> IPMI 2.0, Redfish, and WebUI Serial-Over-LAN (SOL) Remote KVM Hardware health monitor
Supported Operating Systems	CentOS 8.2+
Firmware Support	<ul style="list-style-type: none"> UEFI: Aptio® V BMC: OpenBMC
BMC	ASPEED Technologies AST2600 Baseboard Management Controller
Dimensions	2U Form Factor: 17.2" (W) x 3.5" (H) x 25.5" (D)