



# Next Generation AmpereOne™ in MegaDC SuperServer

AI Inference, Immersive Media, Content Distribution, Gaming



<b>Model</b>	<b>MegaDC SuperServer ARS-211M-NR</b>
<b>Form Factor</b>	2U Rackmount
<b>Processors</b>	1 x Ampere® AmpereOne™ processor Up to 192 cores, up to 3.0GHz frequency Up to 400W TDP
<b>Memory</b>	8 channels per processor, 2 DIMMs per channel Total: 16 x DDR5-4800 DIMM slots
<b>PCIe Expansion</b>	4 x PCIe 5.0 x16 FHFL DW slots 1 x PCIe 5.0 x16 HHFL slot 1 x PCIe 5.0 x16 AIOM slot
<b>Storage Configuration</b>	<b>Optional</b> A. 4 drives: 4 x 2.5" NVMe (default) B. 8 drives: 4 x 2.5" NVMe hybrid + 4 x 2.5" SATA/SAS C. 16 drives: 4 x 2.5" NVMe hybrid + 12 x 2.5" SATA/SAS D. 24 drives: 24 x 2.5" NVMe <b>Fixed</b> 1 x M.2 NVMe Gen 5.0
<b>OCP NIC</b>	1 x PCIe 5.0 x16 OCP 3.0 slot
<b>Network Interface</b>	1 x RJ45 Dedicated IPMI LAN, 2 x 25Gb SFP28 Ethernet LAN, 2 x USB 3.0, 1 x VGA, 1 x Serial (Micro USB)
<b>Power Supply</b>	Redundant 1600W Titanium Level
<b>Security</b>	TPM 2.0
<b>System Management</b>	OpenBMC
<b>Supported OS</b>	Red Hat, Ubuntu
<b>Firmware Support</b>	UEFI: AMI AptioV & BMC: OpenBMC
<b>BMC</b>	ASPEED Technologies AST2600
<b>Dimensions</b>	17.2" (W) x 3.5" (H) x 25.5" (D) 436.9mm x 88.9m x 647.7mm

**Learn more: <https://amperecomputing.com>**