Arm-based (ARS) | Tower or 5U | Workstation

Supermicro ARS-511GD-NB-LCC

Arm-based (ARS) · Tower or 5U · Liquid Cooling Server

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Form Factor	Memory
Tower or 5U	Total Coherent Memory: 748GB



Key Features

Form Factor	Tower or 5U
Platform	Arm-based (ARS)
Processor & GPU Support	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip featuring: 1 NVIDIA Grace 72-core ARM Neoverse V2 CPU
Memory	Total Coherent Memory: 748GB System: 496GB LPDDR5X
Storage	4 M.2 PCIe 5.0 NVMe
Networking	Dual-port QSFP 400 GbE LAN via NVIDIA ConnectX®-8 SuperNIC™ Dedicated 1GbE BMC LAN
Cooling	Closed loop liquid cooling

Full Specifications — ARS-511GD-NB-LCC

Specifications

Super AI Station	ARS-511GD-NB-LCC
Form Factor	Tower or 5U
Processor & GPU Support	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip featuring: 1 NVIDIA Grace 72-core ARM Neoverse V2 CPU 1 NVIDIA Blackwell Ultra (B300) GPU Optional: NVIDIA Blackwell GPU for graphical rendering, visualization, simulation, and physical AI workloads
Memory	Total Coherent Memory: 748GB System: 496GB LPDDR5X GPU: 252GB HBM3e
Storage	4 M.2 PCIe 5.0 NVMe
Networking	Dual-port QSFP 400 GbE LAN via NVIDIA ConnectX®-8 SuperNIC™ Dedicated 1GbE BMC LAN 10GbE LAN
Power Supply	1600W Titanium Level (94%) Power Supply Requires NEMA 5-20 outlet (in North America)
Cooling	Closed loop liquid cooling
Operating System	Ubuntu 24.04 LTS with NVIDIA AI Developer Tools
Software Support	NVIDIA AI Software stack including the new NVIDIA NemoClaw