



NVIDIA Blackwell Ultra
RA4802-72N2



NVIDIA GB300 NVL72 Liquid Cooled Rack
Built with NVIDIA Blackwell Ultra, GB300 NVL72
Leads the New Era of AI and the Next Wave of Accelerated Computing



KEY FEATURES

- 36 NVIDIA Grace CPUs
- 72 NVIDIA Blackwell Ultra GPUs
- 17TB of LPDDR5X memory with error-correction code (ECC)
- 20TB of HBM3E
- Up to 37TB of fast-access memory
- NVLink domain: 130 terabytes per second (TB/s) of low-latency GPU communication

APPLICATIONS

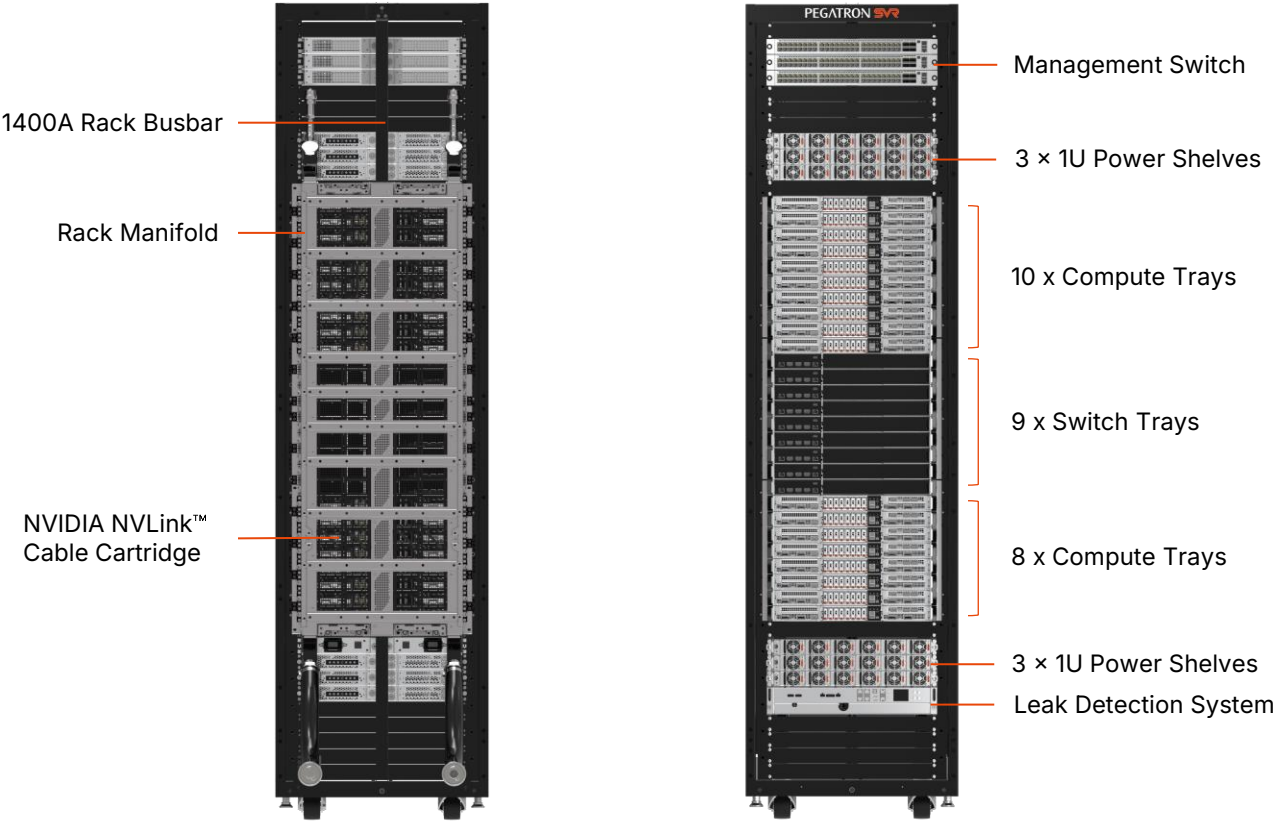
AI reasoning Inference, agentic and physical AI.

SPECIFICATIONS

RA4802-72N2 Rack		AS100-2N2 Compute Tray	
GPU	72 x NVIDIA Blackwell Ultra GPUs	Form Factor	1U Liquid-cooled server node
CPU	36 x NVIDIA Grace™ CPU (72 Arm Neoverse V2 Cores)	CPU & GPU	2 x NVIDIA Grace™ CPU (72 Arm Neoverse V2 Cores) 4 x NVIDIA Blackwell Ultra GPUs
Compute Tray	18 x NVIDIA GB300 Compute Trays	GPU Memory	1.15TB HBM3e per tray (4 × 288GB)
Networking	72 x ConnectX®-8 SuperNICs ports, 18 x NVIDIA BlueField®-3 DPUs	CPU Memory	960GB LPDDR5X per tray (2 × 480GB)
NVLink Switch Tray	9 × 5th Gen NVIDIA NVLink™ Switches Total NVLink™ Bandwidth – 130TB/s	Networking	4 x NVIDIA NVLink™ Connectors (1.8TB/s) 4 x NVIDIA ConnectX®-8 SuperNIC™ ports (800Gb/s) 1 x NVIDIA BlueField®-3 B3240 DPUs (dual ports 400Gb/s)
Management	2 x NVIDIA SN2201 management switches	Storage	4 x E1.S NVMe
Power Shelf	6 or 8 × 1U 33kW (6 × 5.5KW PSUs)	Security Options	TPM 2.0
Dimension (W x H x D)	48U NVIDIA MGX™ Rack: 600 × 2296 × 1200 mm 23.6 × 90.4 × 47.2 inch	Management	ASPEED AST2600 BMC controller
		Cooling System	Liquid-cooled, 8 × 4056 fans
		Dimension (W x H x D)	1U MGX Chassis: 438 × 43.6 × 766 mm 17.2 × 1.7 × 30.2 inch

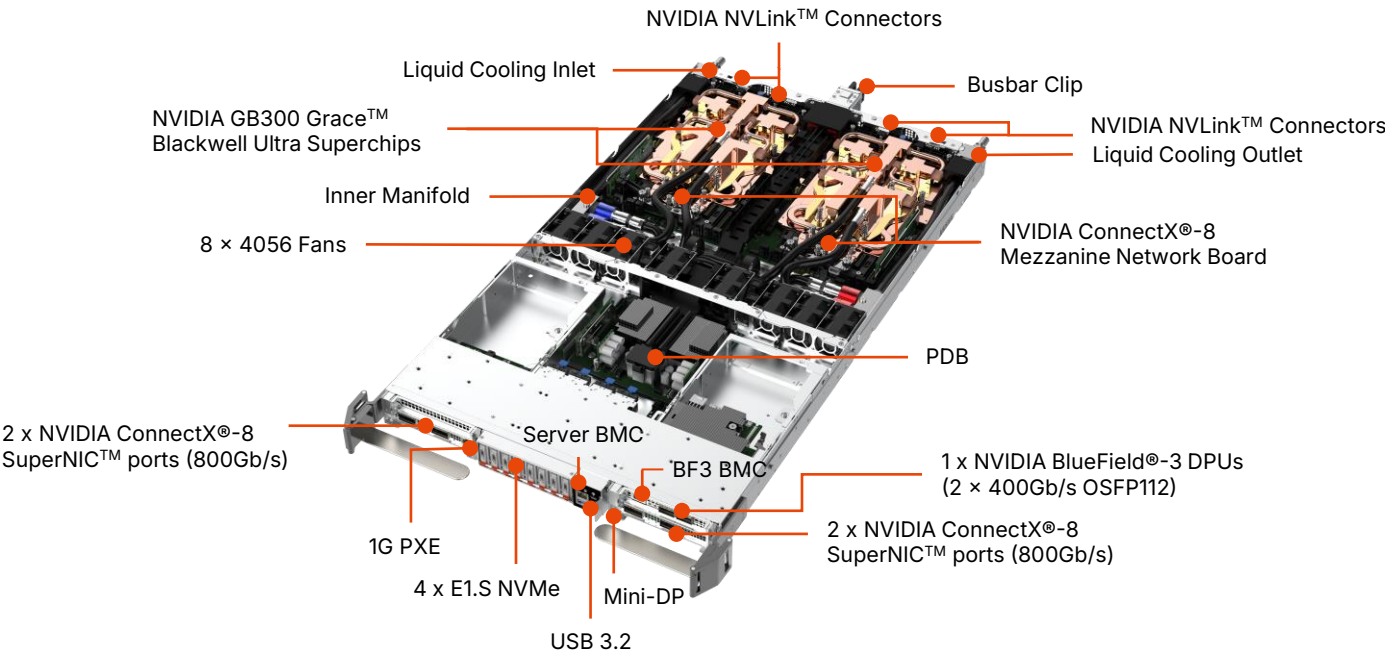
ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

RA4802-72N2 PRODUCT OVERVIEW



▲ Rear View

▲ Front View



▲ AS100-2N2 Compute Tray Configuration