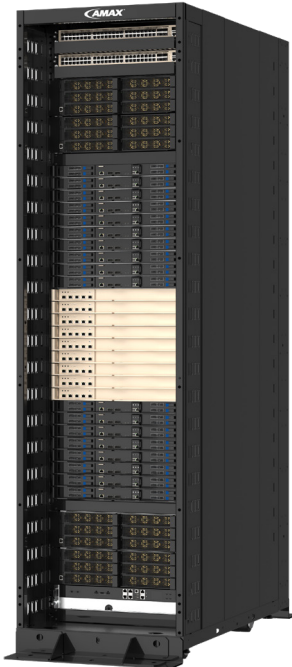


LiquidMax® RackScale 72 with NVIDIA Vera Rubin NVL72

36 Vera CPUs and 72 Rubin GPUs in a Rack-Scale System



Features:

- Up to 36 Vera CPUs and 72 Rubin GPUs in a rack-scale system
- Powered by NVIDIA NVLink™ 6 Switch, NVIDIA ConnectX®-9 SuperNIC, NVIDIA BlueField®-4 DPU
- Cable-less, fully liquid-cooled design for high efficiency
- Modular architecture with SOCAMM memory for easy serviceability

Applications:

- Agentic AI
- Large-scale AI reasoning
- AI factory-scale training and inference

Specifications

NVL72 Rack Configuration	
GPU	72 x NVIDIA Rubin GPUs
CPU	36 x NVIDIA Vera CPUs (88 Olympus cores, Arm - compatible)
Compute Tray	18 x NVIDIA Vera Rubin Compute Trays
Networking	72 x ConnectX® - 9 SuperNIC™ bays 18 x NVIDIA BlueField® - 4 DPUs
NVLink Switch Tray	9 x NVIDIA NVLink™ 6 Switches Total NVLink™ Bandwidth – 260TB/s
Management	2 x NVIDIA SN2201 management switches
Power Shelf	4 x 3U 110kW (6 x 18.3kW PSUs and additional bulk capacitors) 2 x Power WHIPs per shelf Supports 415V / 480V input via IEC connector
Max. TDP Support	Max Q = 188kW Max P = 228kW
Dimension (W x H x D)	48U NVIDIA MGX™ Rack 600 x 2300 x 1200 mm 23.6 x 90.4 x 47.2 inch

Compute Tray Configuration	
Form Factor	1U Liquid - cooled server node
CPU & GPU	2 x NVIDIA Vera CPUs (88 Olympus cores, Arm - compatible) 4 x NVIDIA Rubin GPUs
GPU Memory	1,152GB HBM4 per tray (4 x 288GB)
CPU Memory	3TB LPDDR5X per tray (2 x 1.5TB)
Networking	4 x NVIDIA NVLink™ Gen 6 connectors (3.6TB/s) 4 x NVIDIA ConnectX® - 9 SuperNIC™ bays (1.6Tb/s) 1 x NVIDIA BlueField® - 4 B4280 DPU (dual ports 400GbE)
Storage	4 x E1.S NVMe Internal: 1 x E1.S NVMe for OS boot
Security Options	TPM 2.0
Management	Aspeed® AST2600
Cooling System	Fully liquid - cooled
Dimension (W x H x D)	1U MGX Chassis: 438 x 43.6 x 766 mm 17.2 x 1.7 x 30.2 inch