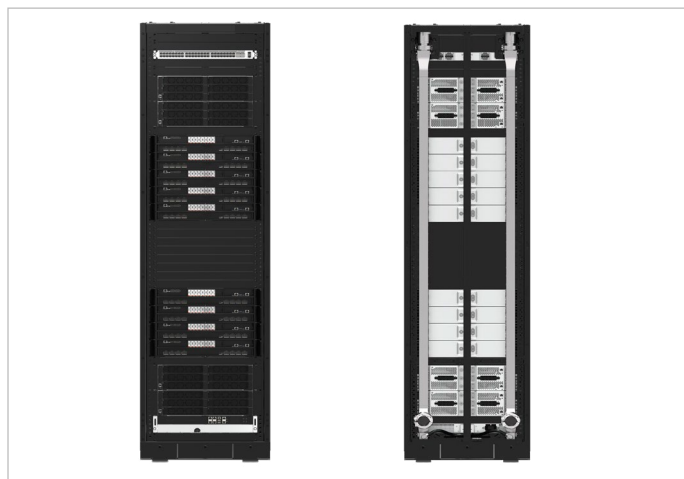


NVIDIA HGX™ Rubin NVL8 Liquid-Cooled Rack Solution

Built for the workloads that define next-gen AI



Key Features



Factory-integrated rack solution



72 GPUs NVIDIA® Rubin



Intel® Xeon® 6700P series processors



Integrated power and cooling management kit



Validated InfiniBand or Ethernet networking



Redundant Powershelves



Scalable Cooling for Multi-Rack Deployments

Where HGX Rubin NVL8 pays off

- **Large-scale LLM workloads** : Train, fine-tune and serve frontier models without memory as the bottleneck. HBM4 on every GPU supports larger models, longer context windows and more concurrent users.
- **Multimodal AI** : Build and deploy AI systems that combine text, images, audio and video, on a platform that balances compute and memory bandwidth.
- **AI reasoning and agentic AI** : Develop and scale reasoning models and AI agents that generate far more tokens per request, while keeping latency low and throughput high.

Rack solution fully configured for AI at scale

This rack solution is built on the NVIDIA HGX™ Rubin NVL8 platform. It is turn-key AI infrastructure engineered for the most demanding workloads. From large language model training to agentic and multimodal AI inference, it delivers uncompromising performance, thermal efficiency and operational simplicity, all in a single, fully integrated rack.

It is designed to grow with your business. Whether you're deploying a single rack or scaling to a multi-rack AI supercomputer with thousands of GPUs, 2CRSi delivers a proven, end-to-end solution backed by our close partnership with NVIDIA.

Every component, configuration and deployment is validated against NVIDIA's standards for AI infrastructure. The result: guaranteed compatibility, optimized performance, and the reliability to run mission-critical workloads..

Flexible high-speed networking

Validated NVIDIA Quantum InfiniBand and Spectrum-X™ Ethernet configurations, powered by NVIDIA ConnectX®-9 SuperNICs, deliver the bandwidth and low latency that large-scale AI training and inference require. 2CRSi tailors the network architecture to your deployment, from a single rack to a multi-rack cluster.

Direct Liquid-Cooled Platform

With up to 72 NVIDIA Rubin GPUs across nine HGX Rubin NVL8 systems in a single rack, this level of compute density calls for highly efficient thermal management.

Designed for warm-water cooling with supply temperatures up to 45 °C, the platform greatly reduces or eliminates the need for chillers. Less power goes to cooling and more goes to compute, which lowers energy consumption and total cost of ownership.

For multi-rack deployments, 2CRSi designs and sizes the complete cooling architecture: in-row liquid-to-liquid CDUs with up to 1.35 MW of capacity each and N+1 redundant pumps and power supplies, the secondary fluid network,

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2CRSi, Specifications are subject to change. Please verify with your sales representative for latest revision.

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SPECIFICATIONS

System	Server model	Godi 1.8 Rubin NVL8
	Server Configuration	9 x 2U DLC GPU servers
	Cooling Technology	100% Direct Liquid Cooling (DLC)
	Rack Height	48U NVIDIA MGX™ Rack
	Rack Power Consumption	~220kW
GPU	NVIDIA® HGX™ Rubin NVL8 Total 72 GPUs per rack	
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Total 18 processors per rack	
Switch	Flexible validated InfiniBand / Ethernet switch configurations	
Scalability	Single-rack to multi-rack AI clusters	
Power Supply	Power shelf 4 (2+2 Redundant) 3U 110kW @415VAC~480VAC (6 x 18.3kW PSUs and additional bulk capacitors) Power Whip: 8x100A IEC60309	
Rack Bus Bar	1x 5000A Busbar (Liquid-cooled)	
CDU	Multiple choices of In-Row Liquid-to-Liquid CDUs.	
Management	Integrated DLC power and cooling management kit (optional): • Management node • Real-time cluster-level monitoring and control • Supports Modbus, Redfish, and REST APIs for seamless integration with CDUs and RDHx	
Warranty	2CRSi hardware warranty includes a one year, parts and labour with return to 2CRSi selling entity. Customers may purchase an extended warranty of up to 3 years on parts and labour with different support levels. Please contact 2CRSi at support@2crsi.com or reach your sales point of contact for complete warranty details including limitations and transferability. 2crsi.com/global-location	