DATASHEET

Liquid-cooled HGX B300 Rack Solution for Accelerated Computing

HGX Blackwell Ultra B300 Platform for next-generation AI models

Key Features

- Factory-integrated rack solution
- 64 GPUs NVIDIA® B300
- Intel® Xeon® 6700-series & 6500-series processors
- Integrated power and cooling management kit
- Validated InfiniBand or Ethernet networking
- In-Rack CDU up to 200 kW of cooling capacity
- Scalable Cooling for Multi-Rack Deployments

PRODUCT PAGE

CLICK HERE
TO DISCOVER MORE
ABOUT THIS PRODUCT

Where B300 pays off?

- **Large-scale LLM workloads :** Train, fine-tune, and serve frontier language models on a platform built for memory-intensive workloads.
- **Multimodal AI :** Build and deploy AI systems that combine text, images, audio, or video.
- **AI reasoning and agentic AI :** Develop and scale reasoning models and agentic systems that generate significantly more tokens per request.

Rack solution fully configured for AI at Scale

This rack solution, built on the NVIDIA HGX™ B300 platform, is a turnkey AI Infrastructure engineered for the most demanding workloads. From large language model training to agentic AI and multimodale AI inference, this solution delivers uncompromising performance, thermal efficiency, and operational simplicity, all within a single, fully integrated rack.

It is designed to grow with your business. If you are deploying a single rack or scaling to a multi-rack AI supercomputer with hundreds of GPUs, we provide a proven, end-to-end solution backed by deep partnerships.

As an NVIDIA-certified partner, we hold every component, configuration, and deployment to NVIDIA's validation standards for AI infrastructure. The result: proven compatibility, optimized performance, and reliability you can build mission-critical workloads on.

Flexible High-Speed Networking

Validated InfiniBand and Ethernet configurations deliver the bandwidth and low latency required for demanding AI workloads. 2CRSi can tailor the network architecture for single-rack or multi-rack deployments.

Direct Liquid-Cooled Platform

With 64 NVIDIA B300 GPUs in a single rack, this level of compute density demands highly efficient thermal management. Direct liquid cooling removes heat directly at the source, helping GPUs and CPUs operate within optimal temperature ranges and sustain high performance under intensive AI workloads.

By reducing reliance on high-speed fans, liquid cooling also improves overall energy efficiency, allowing more of the available power to be dedicated to computing rather than cooling. The integrated liquid-to-liquid CDU provides up to 200 kW of cooling capacity at a 4°C approach temperature, enabling high-density AI infrastructure in a compact rack footprint.

For larger multi-rack deployments, 2CRSi can also provide scalable cooling architectures, including in-row CDUs supporting up to 1.35 MW of cooling capacity.

DATASHEET

Liquid-cooled HGX B300 Rack Solution for Accelerated Computing

SPECIFICATIONS

System	**Server model**	Godì 1.8E2D-NV8 DLC
	Server Configuration	8 x 4U DLC GPU servers
	Cooling Technology	Direct Liquid Cooling (DLC)
	Rack Height	42U
	Rack Power Consumption	~110kW
GPU	NVIDIA® HGX™ B300 NVL8 Total 64 GPUs per rack	
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Total 16 processors per rack	
Switch	Flexible validated InfiniBand / Ethernet switch configurations	
Scalability	Single-rack to multi-rack AI clusters	
PDU	6 x PDUs Input: 415 V, 100 A, 3-phase	
CDU	In-Rack Liquid-to-Liquid CDU • Cooling Capacity: 200 kW (4°C approach temperature) • Primary Loop Connections: 1" FD83 QDC couplings (inlet/outlet) • Input Power: 1P / AC 220-240 V / 50-60 Hz 1+1 redundant power supplies and pumps.	
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	