PRE-CONFIGURED BY ARC COMPUTE

Dell's NVIDIA HGX H200 System

PowerEdge XE9680

OVERVIEW

The Dell PowerEdge XE9680 is a 6U rack server and Dell's first 8× GPU platform, built to accelerate Generative AI, ML/DL, and HPC workloads. Supporting up to 8× NVIDIA H100 or H200 SXM5 GPUs fully interconnected with NVLink, it delivers maximum GPU memory capacity and bandwidth for training large-scale AI models. With dual Intel® Xeon® processors (up to 64 cores), 32 DDR5 DIMM slots (up to 4TB), and flexible storage and expansion options, the XE9680 is engineered for performance, scalability, and enterprise reliability.

SYSTEM SPECIFICATION

Form Factor
- 6U rack server
- Dimensions: H 263.2 mm × W 482.0 mm × D 1008.7 mm (with bezel)
- Weight: Up to 113.3 kg (249.78 lbs)

GPU
- Up to 8× NVIDIA H100 (80GB) or H200 (141GB) SXM5, 700W each
- NVLink interconnect

Processors
- Dual 5th Gen Intel® Xeon® Scalable (up to 64 cores each)
- Dual 4th Gen Intel® Xeon® Scalable (up to 56 cores each)

System Memory
- 32× DDR5 DIMM slots
- Up to 4TB ECC RDIMM
- Speeds: up to 5600 MT/s (5th Gen Xeon) / 4800 MT/s (4th Gen Xeon)

Storage
- Internal RAID: PERC H965i
- Boot: NVMe BOSS-N1 with 2× M.2 SSDs (HWRAID1)
- Software RAID: S160
- Drive bays: up to 8× 2.5" NVMe/SAS/SATA SSDs (122.88TB) or 16× E3.S NVMe (122.88TB)

Networking
- 2× 1GbE embedded NIC
- 1× OCP 3.0 slot (×8 PCIe lanes)

Warranty
- 3-Year Labour, 3-Year Parts, 1-Year Advanced Cross-Ship Under Limited Warranty
- On-Site NBD Service

PRIMARY USE CASES

- High Performance Computing
- AI/Deep Learning Training
- Industrial Automation
- Business Intelligence & Analytics
- Drug Discovery
- Climate and Weather Modeling
- Finance & Economics
- Healthcare

WORK WITH US

Expert Guidance: Our team specializes in AI, HPC, and data analytics and can tailor solutions to your exact needs.
Turnkey Deployment: We work with OEMs to streamline installation, configuration, and workload migration.
Superior Support: Global reach and top-tier customer service keep your systems running at peak performance.