



Dell PowerEdge XE9680

8x H200

Hopper

rack

2024

OVERVIEW

15.8 FP8 PFLOPS Dense	1.1 TB Aggregate Memory	38.4 TB/s Aggregate Bandwidth	— Aggregate Power
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PERFORMANCE METRICS

Precision	Peak (PFLOPS)	Per GPU (TFLOPS)	TFLOPS/W
FP64	0.3	34.0	68.00
FP32	0.5	67.0	134.00
TF32	4.0	494.5	989.00
FP16	7.9	989.5	1979.00
BF16	7.9	989.5	1979.00
FP8	15.8	1979.0	3958.00
INT8	15.8	1979.0	3958.00

All figures are dense. Vendors commonly headline the sparse number, which is twice the dense one.

CONFIGURATION

Accelerator	H200 SXM 141GB
Count	8
Memory per GPU	141 GB
Bandwidth per GPU	4.8 TB/s

POWER & EFFICIENCY

Aggregate Power	—
TDP per GPU	700 W
FP8 Efficiency	3958.00 TFLOPS/W
Aggregate Bandwidth	38.4 TB/s

SYSTEM DETAILS

Vendor: Dell	Family: PowerEdge	Architecture: Hopper
Form Factor: rack	Release Year: 2024	Process Node: 4nm

INTERCONNECT

NVSwitch + NVLink

NOTES

6U rack server built on the NVIDIA HGX H200 baseboard. Two Intel Xeon Scalable sockets (4th or 5th Gen, up to 64 cores each), 32 DDR5 DIMM slots to a 4 TB maximum, and 2800W Titanium redundant hot-swap power supplies. The same chassis is also orderable with 8x H100 80GB, 8x AMD Instinct MI300X 192GB or 8x Intel Gaudi3 128GB; Dell does not list a B200 option. System-level power draw is not published, so only the baseboard figure on the HGX H200 reference page is authoritative.

