



Penguin Solutions Relion XE8318GTS

8x B200 Blackwell rack

OVERVIEW

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Peak Dense	Aggregate Memory	Aggregate Bandwidth	Aggregate Power

CONFIGURATION

Accelerator	B200 SXM 180GB
Count	8
Memory per GPU	180 GB
Bandwidth per GPU	7.7 TB/s

POWER & EFFICIENCY

Aggregate Power	—
TDP per GPU	1000 W
Efficiency	—
Aggregate Bandwidth	—

SYSTEM DETAILS

Vendor: Penguin Solutions	Family: Relion	Architecture: Blackwell
Form Factor: rack	Release Year: —	Process Node: 4nm

INTERCONNECT

Penguin publishes no interconnect figure; expansion is 8x PCIe Gen5 x16 FHHL and 4x PCIe Gen5 x16 FHHL double-width

NOTES

The Penguin Solutions Relion XE8318GTS is a 8U GPU server carrying eight NVIDIA HGX B200 SXM modules of 180 GB each, hosted by 5th and 4th Gen Intel Xeon Scalable processors with 8x PCIe Gen5 x16 FHHL and 4x PCIe Gen5 x16 FHHL double-width. The air-cooled Blackwell machine, needing 8U where the liquid-cooled Altus XE4318GTS-DTC does the same work in 4U. Penguin publishes only rack height, host processor, expansion slots and the accelerator for its servers, so no power draw, total memory, interconnect bandwidth or throughput figure is shown here; its full datasheets are hosted off its own domain and were not used as a source.