



Penguin Solutions Relion XE4418GTS-DTC

8x B300 Blackwell Ultra rack

OVERVIEW

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Peak Dense	Aggregate Memory	Aggregate Bandwidth	Aggregate Power

CONFIGURATION

Accelerator	B300 SXM 288GB
Count	8
Memory per GPU	288 GB
Bandwidth per GPU	8.0 TB/s

POWER & EFFICIENCY

Aggregate Power	—
TDP per GPU	1400 W
Efficiency	—
Aggregate Bandwidth	—

SYSTEM DETAILS

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

INTERCONNECT

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

NOTES

The Penguin Solutions Relion XE4418GTS-DTC is a 4U GPU server carrying eight NVIDIA HGX B300 SXM6 modules of 288 GB each, hosted by Intel Xeon 6 (6700/6500 Series) processors with 4x PCIe Gen5 x16 FHHL double-width. Direct-to-chip liquid cooling puts a full Blackwell Ultra baseboard in 4U, half the height of Penguin's air-cooled B300 machine. 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.