



Penguin Solutions Altus XE5318GTO

8x Instinct MI300X CDNA 3 rack

OVERVIEW

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Peak Dense	Aggregate Memory	Aggregate Bandwidth	Aggregate Power

CONFIGURATION

Accelerator	Instinct MI300X 192GB
Count	8
Memory per GPU	192 GB
Bandwidth per GPU	5.3 TB/s

POWER & EFFICIENCY

Aggregate Power	—
TDP per GPU	750 W
Efficiency	—
Aggregate Bandwidth	—

SYSTEM DETAILS

Vendor: Penguin Solutions	Family: Altus	Architecture: CDNA 3
Form Factor: rack	Release Year: —	Process Node: 5nm FinFET

INTERCONNECT

Penguin publishes no interconnect figure; expansion is 12x PCIe Gen5 x16

NOTES

The Penguin Solutions Altus XE5318GTO is a 5U GPU server carrying eight AMD Instinct MI300X OAM modules of 192 GB each, hosted by AMD EPYC 9004 Series processors with 12x PCIe Gen5 x16. The GTO suffix marks Penguin's OAM machines, as against the GTS designation used for NVIDIA SXM baseboards. 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.