

QCT QuantaGrid D75L-3U

8x B300

Blackwell Ultra

rack

OVERVIEW

—	2.3 TB	—	—
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: QCT	Family: QuantaGrid	Architecture: Blackwell Ultra
Form Factor: rack	Release Year: —	Process Node: 4nm

INTERCONNECT

One NVIDIA HGX B300 8-GPU baseboard with fifth-generation NVLink at 1.8 TB/s; eight onboard ConnectX-8 SuperNICs at up to 800Gb/s for east-west traffic, with up to three further NICs for north-south

NOTES

QCT's density play: the same NVIDIA HGX B300 8-GPU baseboard as its 10U sibling, compressed into 3U by liquid cooling and designed for the NVIDIA MGX rack rather than a standalone chassis. It takes power from a 1400A busbar and rack power shelves instead of its own supplies, which is why no power figure appears here at all, and supports DC-SCM. Fifth-generation NVLink runs at 1.8 TB/s, and eight onboard ConnectX-8 SuperNICs handle east-west traffic at up to 800Gb/s. Hosting is two Intel Xeon 6700 P-core processors at up to 350 W. QCT states 2.3 TB of HBM3e per system, which is eight B300 modules at 288 GB apiece; note NVIDIA quotes 2.1 TB for the same baseboard, and this entry keeps QCT's figure since QCT is the one publishing it. No throughput figure is given for this model.