

Inventec P5800G7

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: Inventec	Family: P-Series	Architecture: Blackwell Ultra
Form Factor: rack	Release Year: —	Process Node: 4nm

INTERCONNECT

One NVIDIA HGX B300 NVL8 liquid-cooled baseboard, with eight 800Gb OSFP connectors driven by NVIDIA ConnectX-8 SuperNICs for east-west traffic

NOTES

Inventec's densest Blackwell Ultra node: the same eight-accelerator HGX B300 NVL8 baseboard as its 10U air-cooled sibling, folded into 5U at 448 by 219.5 by 875 mm by moving to liquid cooling. The fan count tells the story, four 80 mm GPU fans against fifteen in the air-cooled machine. East-west networking is eight 800Gb OSFP connectors driven by NVIDIA ConnectX-8 SuperNICs, one per accelerator, and hosts are Intel Xeon 6700 series with E-cores or 6700 and 6500 series with P-cores. Power is 3,300 W 54 V supplies in 4+1 or 4+2 redundancy with a 2,000 W 12 V host plane. This is the only Inventec node whose GPU count is stated on the page, in the NVL8 designation itself. No throughput, memory or system power figure is published.