

NVIDIA HGX B200

8x B200

Blackwell

baseboard

2025

OVERVIEW

36.0 FP8 PFLOPS Dense	1.4 TB Aggregate Memory	64.0 TB/s Aggregate Bandwidth	10.2 kW Aggregate Power
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PERFORMANCE METRICS

Precision	Peak (PFLOPS)	Per GPU (TFLOPS)	TFLOPS/W
FP64	0.3	37.0	—
FP32	0.6	75.0	—
TF32	8.8	1100.0	—
FP16	18.0	2250.0	—
BF16	18.0	2250.0	—
FP8	36.0	4500.0	—
FP4	72.0	9000.0	—
INT8	36.0	4500.0	—

All figures are dense. Vendors commonly headline the sparse number, which is twice the dense one.

CONFIGURATION

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

POWER & EFFICIENCY

Aggregate Power	10.2 kW
TDP per GPU	1000 W
FP8 Efficiency	3.53 TFLOPS/W
Aggregate Bandwidth	64.0 TB/s

SYSTEM DETAILS

Vendor: NVIDIA	Family: HGX	Architecture: Blackwell
Form Factor: baseboard	Release Year: 2025	Process Node: 4nm

INTERCONNECT

NVSwitch + NVLink