

NVIDIA GB300 NVL72 GPU 288GB

Blackwell Ultra

SXM

2025

4nm

OVERVIEW

83.3 FP32 TFLOPS	288 GB VRAM HBM3e	8.0 TB/s Memory Bandwidth	— TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	1.4	N/A	64	Standard
FP32	83.3	N/A	32	Standard
TF32	1250.0	2500.0	32	Standard
BF16	2500.0	5000.0	16	Standard
FP16	2500.0	5000.0	16	Standard
FP8	5000.0	10000.0	8	Standard
FP6	5000.0	10000.0	—	Standard
FP4	15000.0	20000.0	4	Standard
INT8	165.0	330.0	8	Standard

MEMORY SPECIFICATIONS

Capacity	288 GB
Type	HBM3e
Bandwidth	8.0 TB/s
Interface Width	—

POWER & EFFICIENCY

TDP	—
Est. Max Power	—
FP32 Efficiency	—
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Blackwell Ultra	Process Node: 4nm
Form Factor: SXM	Launch Year: 2025	Variant: NVL72 GPU 288GB

INTERCONNECT

GPU-to-GPU: NVLink	Bandwidth: 1.8 TB/s
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CHIP DESIGN

Transistors: 208.0 billion	Chiplets: 2 (Two reticle-limited dies joined by a 10 TB/s die-to-die link,
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presented to software as one GPU)

ENTERPRISE FEATURES

ECC: **Yes**

Sparsity: **Yes**

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