

NVIDIA GB300 Grace Blackwell Ultra Superchip 252GB

Blackwell Ultra

Superchip

2025

4nm

OVERVIEW

80.0 FP32 TFLOPS	252 GB VRAM HBM3e	7.1 TB/s Memory Bandwidth	— TDP
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PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
FP6	5000.0	—	Standard
FP8	5000.0	8	Standard
FP4	10000.0	4	Standard
FP16	2500.0	16	Standard
BF16	2500.0	16	Standard
TF32	1250.0	32	Standard
FP32	80.0	32	Standard
FP64	1.3	64	Standard

MEMORY SPECIFICATIONS

Capacity	252 GB
Type	HBM3e
Bandwidth	7.1 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: Superchip	Launch Year: 2025	Variant: Grace Blackwell Ultra Superchip 252GB

INTERCONNECT

GPU-to-GPU: NVLink-C2C	Bandwidth: 900 GB/s
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