

NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB vs NVIDIA B300 SXM 288GB

Side by side datacenter GPU specifications from the Flopper.io database.

OVERVIEW

	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB	NVIDIA B300 SXM 288GB
FP32 TFLOPS	80.0	75.0
VRAM	252 GB	288 GB
Memory Bandwidth	7.1 TB/s	8.0 TB/s
TDP	–	1.4 kW

PERFORMANCE BY PRECISION

Precision	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB peak TFLOPS (dense)	NVIDIA B300 SXM 288GB peak TFLOPS (dense)
INT8	165.0	187.5
FP8	5000.0	4500.0
FP4	15000.0	13500.0
FP16	2500.0	2250.0
BF16	2500.0	2250.0
TF32	1250.0	1125.0
FP32	80.0	75.0
FP64	1.3	1.3
FP6	5000.0	4500.0

SPECIFICATIONS

	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB	NVIDIA B300 SXM 288GB
Architecture	Blackwell Ultra	Blackwell Ultra
Process Node	4nm	4nm
Launch Year	2025	2025

NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB		NVIDIA B300 SXM 288GB
Form Factor	Superchip	SXM
Memory Type	HBM3e	HBM3e
Interface Width	—	—
Interconnect	NVLink-C2C	—
TDP	—	1.4 kW
FP32 Efficiency	—	0.05 TFLOPS/W