

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

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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

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