



NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB vs NVIDIA B30A

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

OVERVIEW

	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB	NVIDIA B30A
FP32 TFLOPS	80.0	–
VRAM	252 GB	–
Memory Bandwidth	7.1 TB/s	–
TDP	–	–

PERFORMANCE BY PRECISION

Precision	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB peak TFLOPS (dense)	NVIDIA B30A peak TFLOPS (dense)
INT8	165.0	–
FP8	5000.0	–
FP4	15000.0	–
FP16	2500.0	–
BF16	2500.0	–
TF32	1250.0	–
FP32	80.0	–
FP64	1.3	–
FP6	5000.0	–

SPECIFICATIONS

	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB	NVIDIA B30A
Architecture	Blackwell Ultra	Blackwell Ultra
Process Node	4nm	–
Launch Year	2025	2025

NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB		NVIDIA B30A
Form Factor	Superchip	—
Memory Type	HBM3e	—
Interface Width	—	—
Interconnect	NVLink-C2C	NVLink
TDP	—	—
FP32 Efficiency	—	—