NVIDIA GB300 NVL72 GPU 288GB vs NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB

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

OVERVIEW

	NVIDIA GB300 NVL72 GPU 288GB	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB
FP32 TFLOPS	**83.3**	**80.0**
VRAM	**288 GB**	**252 GB**
Memory Bandwidth	**8.0 TB/s**	**7.1 TB/s**
TDP	–	–

PERFORMANCE BY PRECISION

Precision	NVIDIA GB300 NVL72 GPU 288GB peak TFLOPS (dense)	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB peak TFLOPS (dense)
FP64	1.4	1.3
FP32	83.3	80.0
TF32	1250.0	1250.0
BF16	2500.0	2500.0
FP16	2500.0	2500.0
FP8	5000.0	5000.0
FP6	5000.0	5000.0
FP4	15000.0	15000.0
INT8	165.0	165.0

SPECIFICATIONS

	NVIDIA GB300 NVL72 GPU 288GB	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB
Architecture	Blackwell Ultra	Blackwell Ultra
Process Node	4nm	4nm
Launch Year	2025	2025

	NVIDIA GB300 NVL72 GPU 288GB	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB
Form Factor	SXM	Superchip
Memory Type	HBM3e	HBM3e
Interface Width	–	–
Interconnect	NVLink	NVLink-C2C
TDP	–	–
FP32 Efficiency	–	–