NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB vs NVIDIA Rubin CPX

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

OVERVIEW

	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB	NVIDIA Rubin CPX
FP32 TFLOPS	**80.0**	—
Memory	**252 GB**	**128 GB**
Memory Bandwidth	**7.1 TB/s**	—
TDP	—	—

PERFORMANCE BY PRECISION

Precision	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB peak TFLOPS (dense)	NVIDIA Rubin CPX peak TFLOPS (dense)
FP64	1.3	—
FP32	80.0	—
TF32	1250.0	—
BF16	2500.0	—
FP16	2500.0	—
FP8	5000.0	—
FP6	5000.0	—
FP4	15000.0	—
NVFP4	—	—
INT8	165.0	—

SPECIFICATIONS

	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB	NVIDIA Rubin CPX
Architecture	Blackwell Ultra	Rubin
Process Node	4nm	—
Launch Year	2025	2026
Form Factor	Superchip	—

	NVIDIA GB300 Grace Blackwell Ultra Desktop Superchip 252GB	NVIDIA Rubin CPX
Memory Type	HBM3e	GDDR7
Interface Width	–	–
Interconnect	NVLink-C2C	–
TDP	–	–
FP32 Efficiency	–	–