



Apple M5 Ultra vs NVIDIA DGX Spark

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

OVERVIEW

	Apple M5 Ultra	NVIDIA DGX Spark
FP32 TFLOPS	33.2	—
VRAM	512 GB	128 GB
Memory Bandwidth	1.2 TB/s	273 GB/s
TDP	—	140 W

PERFORMANCE BY PRECISION

Precision	Apple M5 Ultra peak TFLOPS (dense)	NVIDIA DGX Spark peak TFLOPS (dense)
FP64	—	—
FP32	33.2	—
TF32	—	—
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	—	500.0
INT8	—	—

SPECIFICATIONS

	Apple M5 Ultra	NVIDIA DGX Spark
Architecture	Apple M5	Grace Blackwell
Process Node	3nm	4nm
Launch Year	2026	2025
Form Factor	SoC	Desktop Workstation
Memory Type	LPDDR5X	—
Interface Width	—	—
Interconnect	UltraFusion	—

	Apple M5 Ultra	NVIDIA DGX Spark
TDP	—	140 W
FP32 Efficiency	—	—