



Apple M5 Ultra vs NVIDIA RTX A2000 6GB

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

OVERVIEW

	Apple M5 Ultra	NVIDIA RTX A2000 6GB
FP32 TFLOPS	33.2	8.0
Memory	512 GB	6 GB
Memory Bandwidth	1.2 TB/s	288 GB/s
TDP	—	70 W

PERFORMANCE BY PRECISION

Precision	Apple M5 Ultra peak TFLOPS (dense)	NVIDIA RTX A2000 6GB peak TFLOPS (dense)
FP64	—	0.1
FP32	33.2	8.0
TF32	—	—
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	Apple M5 Ultra	NVIDIA RTX A2000 6GB
Architecture	Apple M5	Ampere
Process Node	3nm	8nm
Launch Year	2026	2021
Form Factor	SoC	PCIe
Memory Type	LPDDR5X	GDDR6
Interface Width	—	192-bit
Interconnect	UltraFusion	—

	Apple M5 Ultra	NVIDIA RTX A2000 6GB
TDP	—	70 W
FP32 Efficiency	—	0.11 TFLOPS/W