



Apple M5 Ultra vs Apple M3 Ultra

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

OVERVIEW

	Apple M5 Ultra	Apple M3 Ultra
FP32 TFLOPS	33.2	32.8
VRAM	512 GB	512 GB
Memory Bandwidth	1.2 TB/s	819 GB/s
TDP	—	—

PERFORMANCE BY PRECISION

Precision	Apple M5 Ultra peak TFLOPS (dense)	Apple M3 Ultra peak TFLOPS (dense)
FP64	—	—
FP32	33.2	32.8
TF32	—	—
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	Apple M5 Ultra	Apple M3 Ultra
Architecture	Apple M5	Apple M3
Process Node	3nm	3nm
Launch Year	2026	2025
Form Factor	SoC	SoC
Memory Type	LPDDR5X	LPDDR5
Interface Width	—	—
Interconnect	UltraFusion	—

	Apple M5 Ultra	Apple M3 Ultra
TDP	—	—
FP32 Efficiency	—	—