Apple M1 Ultra vs Apple M4 Max

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

OVERVIEW

	Apple M1 Ultra	Apple M4 Max
FP32 TFLOPS	**21.2**	**18.4**
Memory	**128 GB**	**128 GB**
Memory Bandwidth	**800 GB/s**	**546 GB/s**
TDP	**—**	**—**

PERFORMANCE BY PRECISION

Precision	Apple M1 Ultra peak TFLOPS (dense)	Apple M4 Max peak TFLOPS (dense)
FP64	—	—
FP32	21.2	18.4
TF32	—	—
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	Apple M1 Ultra	Apple M4 Max
Architecture	Apple M1	Apple M4
Process Node	5nm	3nm
Launch Year	2022	2024
Form Factor	SoC	SoC
Memory Type	LPDDR5	LPDDR5X
Interface Width	1024-bit	512-bit
Interconnect	—	—

	Apple M1 Ultra	Apple M4 Max
TDP	–	–
FP32 Efficiency	–	–