Apple M4 Max vs NVIDIA P100 PCIe 16GB

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

OVERVIEW

	Apple M4 Max	NVIDIA P100 PCIe 16GB
FP32 TFLOPS	**18.4**	**9.3**
Memory	**128 GB**	**16 GB**
Memory Bandwidth	**546 GB/s**	**732 GB/s**
TDP	–	**250 W**

PERFORMANCE BY PRECISION

Precision	Apple M4 Max peak TFLOPS (dense)	NVIDIA P100 PCIe 16GB peak TFLOPS (dense)
FP64	–	4.7
FP32	18.4	9.3
TF32	–	–
BF16	–	–
FP16	–	18.7
FP8	–	–
FP6	–	–
FP4	–	–
INT8	–	–

SPECIFICATIONS

	Apple M4 Max	NVIDIA P100 PCIe 16GB
Architecture	Apple M4	Pascal
Process Node	3nm	–
Launch Year	2024	2016
Form Factor	SoC	PCIe
Memory Type	LPDDR5X	HBM2
Interface Width	512-bit	4096-bit
Interconnect	–	–

	Apple M4 Max	NVIDIA P100 PCIe 16GB
TDP	–	250 W
FP32 Efficiency	–	0.04 TFLOPS/W