



NVIDIA Quadro P4000 8GB vs NVIDIA P100 SXM2 16GB

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

OVERVIEW

	NVIDIA Quadro P4000 8GB	NVIDIA P100 SXM2 16GB
FP32 TFLOPS	5.3	10.6
Memory	8 GB	16 GB
Memory Bandwidth	243 GB/s	732 GB/s
TDP	105 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Quadro P4000 8GB peak TFLOPS (dense)	NVIDIA P100 SXM2 16GB peak TFLOPS (dense)
FP64	—	5.3
FP32	5.3	10.6
TF32	—	—
BF16	—	—
FP16	—	21.2
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	NVIDIA Quadro P4000 8GB	NVIDIA P100 SXM2 16GB
Architecture	Pascal	Pascal
Process Node	16nm	16nm
Launch Year	2017	2016
Form Factor	PCIe	SXM
Memory Type	GDDR5	HBM2
Interface Width	256-bit	—
Interconnect	—	—

	NVIDIA Quadro P4000 8GB	NVIDIA P100 SXM2 16GB
TDP	105 W	300 W
FP32 Efficiency	0.05 TFLOPS/W	0.04 TFLOPS/W