NVIDIA P100 SXM2 16GB vs NVIDIA Quadro P2000 5GB

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

OVERVIEW

	NVIDIA P100 SXM2 16GB	NVIDIA Quadro P2000 5GB
FP32 TFLOPS	**10.6**	**3.0**
Memory	**16 GB**	**5 GB**
Memory Bandwidth	**732 GB/s**	**140 GB/s**
TDP	**300 W**	**75 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA P100 SXM2 16GB peak TFLOPS (dense)	NVIDIA Quadro P2000 5GB peak TFLOPS (dense)
FP64	5.3	–
FP32	10.6	3.0
TF32	–	–
BF16	–	–
FP16	21.2	–
FP8	–	–
FP6	–	–
FP4	–	–
INT8	–	–

SPECIFICATIONS

	NVIDIA P100 SXM2 16GB	NVIDIA Quadro P2000 5GB
Architecture	Pascal	Pascal
Process Node	16nm	16nm
Launch Year	2016	2017
Form Factor	SXM	PCIe
Memory Type	HBM2	GDDR5
Interface Width	–	160-bit
Interconnect	–	–

	NVIDIA P100 SXM2 16GB	NVIDIA Quadro P2000 5GB
TDP	300 W	75 W
FP32 Efficiency	0.04 TFLOPS/W	0.04 TFLOPS/W