



NVIDIA GeForce GTX 1080 Ti 11GB vs NVIDIA P100 PCIe 16GB

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

OVERVIEW

	NVIDIA GeForce GTX 1080 Ti 11GB	NVIDIA P100 PCIe 16GB
FP32 TFLOPS	11.3	9.3
VRAM	11 GB	16 GB
Memory Bandwidth	484 GB/s	732 GB/s
TDP	250 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce GTX 1080 Ti 11GB peak TFLOPS (dense)	NVIDIA P100 PCIe 16GB peak TFLOPS (dense)
FP64	—	4.7
FP32	11.3	9.3
TF32	—	—
BF16	—	—
FP16	—	18.7
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	NVIDIA GeForce GTX 1080 Ti 11GB	NVIDIA P100 PCIe 16GB
Architecture	Pascal	Pascal
Process Node	16nm	—
Launch Year	2017	2016
Form Factor	PCIe	PCIe
Memory Type	GDDR5X	HBM2
Interface Width	352-bit	4096-bit
Interconnect	—	—

	NVIDIA GeForce GTX 1080 Ti 11GB	NVIDIA P100 PCIe 16GB
TDP	250 W	250 W
FP32 Efficiency	0.05 TFLOPS/W	0.04 TFLOPS/W