

NVIDIA P100 PCIe 16GB vs NVIDIA Tesla P40 24GB

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

OVERVIEW

	NVIDIA P100 PCIe 16GB	NVIDIA Tesla P40 24GB
FP32 TFLOPS	9.3	12.0
VRAM	16 GB	24 GB
Memory Bandwidth	732 GB/s	346 GB/s
TDP	250 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA P100 PCIe 16GB peak TFLOPS (dense)	NVIDIA Tesla P40 24GB peak TFLOPS (dense)
INT8	—	47.0
FP16	18.7	—
FP32	9.3	12.0
FP64	4.7	—

SPECIFICATIONS

	NVIDIA P100 PCIe 16GB	NVIDIA Tesla P40 24GB
Architecture	Pascal	Pascal
Process Node	—	16nm
Launch Year	2016	2016
Form Factor	PCIe	PCIe
Memory Type	HBM2	GDDR5
Interface Width	4096-bit	—
Interconnect	—	—
TDP	250 W	250 W
FP32 Efficiency	0.04 TFLOPS/W	0.05 TFLOPS/W