

NVIDIA Tesla P40 24GB vs NVIDIA P100 PCIe 16GB

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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