



NVIDIA Titan Xp 12GB vs NVIDIA Tesla P4 8GB

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

OVERVIEW

	NVIDIA Titan Xp 12GB	NVIDIA Tesla P4 8GB
FP32 TFLOPS	12.2	5.5
VRAM	12 GB	8 GB
Memory Bandwidth	548 GB/s	192 GB/s
TDP	250 W	75 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Titan Xp 12GB peak TFLOPS (dense)	NVIDIA Tesla P4 8GB peak TFLOPS (dense)
FP64	—	—
FP32	12.2	5.5
TF32	—	—
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	22.0

SPECIFICATIONS

	NVIDIA Titan Xp 12GB	NVIDIA Tesla P4 8GB
Architecture	Pascal	Pascal
Process Node	16nm	16nm
Launch Year	2017	2016
Form Factor	PCIe	PCIe
Memory Type	GDDR5X	GDDR5
Interface Width	384-bit	—
Interconnect	—	—

	NVIDIA Titan Xp 12GB	NVIDIA Tesla P4 8GB
TDP	250 W	75 W
FP32 Efficiency	0.05 TFLOPS/W	0.07 TFLOPS/W