NVIDIA Tesla K80 24GB vs NVIDIA Titan Xp 12GB

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

OVERVIEW

	NVIDIA Tesla K80 24GB	NVIDIA Titan Xp 12GB
FP32 TFLOPS	**5.6**	**12.2**
Memory	**24 GB**	**12 GB**
Memory Bandwidth	**480 GB/s**	**548 GB/s**
TDP	**300 W**	**250 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA Tesla K80 24GB peak TFLOPS (dense)	NVIDIA Titan Xp 12GB peak TFLOPS (dense)
FP64	1.9	–
FP32	5.6	12.2
TF32	–	–
BF16	–	–
FP16	–	–
FP8	–	–
FP6	–	–
FP4	–	–
INT8	–	–

SPECIFICATIONS

	NVIDIA Tesla K80 24GB	NVIDIA Titan Xp 12GB
Architecture	Kepler	Pascal
Process Node	28nm	16nm
Launch Year	2014	2017
Form Factor	PCIe	PCIe
Memory Type	GDDR5	GDDR5X
Interface Width	–	384-bit
Interconnect	–	–

	NVIDIA Tesla K80 24GB	NVIDIA Titan Xp 12GB
TDP	300 W	250 W
FP32 Efficiency	0.02 TFLOPS/W	0.05 TFLOPS/W