NVIDIA Quadro P4000 8GB vs NVIDIA Tesla K80 24GB

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

OVERVIEW

	NVIDIA Quadro P4000 8GB	NVIDIA Tesla K80 24GB
FP32 TFLOPS	**5.3**	**5.6**
Memory	**8 GB**	**24 GB**
Memory Bandwidth	**243 GB/s**	**480 GB/s**
TDP	**105 W**	**300 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA Quadro P4000 8GB peak TFLOPS (dense)	NVIDIA Tesla K80 24GB peak TFLOPS (dense)
FP64	–	1.9
FP32	5.3	5.6
TF32	–	–
BF16	–	–
FP16	–	–
FP8	–	–
FP6	–	–
FP4	–	–
INT8	–	–

SPECIFICATIONS

	NVIDIA Quadro P4000 8GB	NVIDIA Tesla K80 24GB
Architecture	Pascal	Kepler
Process Node	16nm	28nm
Launch Year	2017	2014
Form Factor	PCIe	PCIe
Memory Type	GDDR5	GDDR5
Interface Width	256-bit	–
Interconnect	–	–

	NVIDIA Quadro P4000 8GB	NVIDIA Tesla K80 24GB
TDP	105 W	300 W
FP32 Efficiency	0.05 TFLOPS/W	0.02 TFLOPS/W