NVIDIA RTX A2000 12GB vs NVIDIA Tesla K80 24GB

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

OVERVIEW

	NVIDIA RTX A2000 12GB	NVIDIA Tesla K80 24GB
FP32 TFLOPS	**8.0**	**5.6**
Memory	**12 GB**	**24 GB**
Memory Bandwidth	**288 GB/s**	**480 GB/s**
TDP	**70 W**	**300 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX A2000 12GB peak TFLOPS (dense)	NVIDIA Tesla K80 24GB peak TFLOPS (dense)
FP64	0.1	1.9
FP32	8.0	5.6
TF32	8.0	–
BF16	8.0	–
FP16	8.0	–
FP8	–	–
FP6	–	–
FP4	–	–
INT8	16.0	–

SPECIFICATIONS

	NVIDIA RTX A2000 12GB	NVIDIA Tesla K80 24GB
Architecture	Ampere	Kepler
Process Node	8nm	28nm
Launch Year	2022	2014
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR5
Interface Width	192-bit	–
Interconnect	–	–

	NVIDIA RTX A2000 12GB	NVIDIA Tesla K80 24GB
TDP	70 W	300 W
FP32 Efficiency	0.11 TFLOPS/W	0.02 TFLOPS/W