NVIDIA GeForce RTX 2070 8GB vs NVIDIA Quadro RTX 5000 16GB

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

OVERVIEW

	NVIDIA GeForce RTX 2070 8GB	NVIDIA Quadro RTX 5000 16GB
FP32 TFLOPS	**7.9**	**11.2**
Memory	**8 GB**	**16 GB**
Memory Bandwidth	**448 GB/s**	**448 GB/s**
TDP	**185 W**	**265 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 2070 8GB peak TFLOPS (dense)	NVIDIA Quadro RTX 5000 16GB peak TFLOPS (dense)
FP64	0.2	0.3
FP32	7.9	11.2
TF32	–	–
BF16	–	–
FP16	31.5	89.2
FP8	–	–
FP6	–	–
FP4	–	–
INT8	126.0	178.4
INT4	252.1	356.8

SPECIFICATIONS

	NVIDIA GeForce RTX 2070 8GB	NVIDIA Quadro RTX 5000 16GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2018	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6

	NVIDIA GeForce RTX 2070 8GB	NVIDIA Quadro RTX 5000 16GB
Interface Width	256-bit	256-bit
Interconnect	–	NVLink
TDP	185 W	265 W
FP32 Efficiency	0.04 TFLOPS/W	0.04 TFLOPS/W