NVIDIA GeForce RTX 2060 12GB vs NVIDIA Quadro RTX 5000 16GB

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

OVERVIEW

	NVIDIA GeForce RTX 2060 12GB	NVIDIA Quadro RTX 5000 16GB
FP32 TFLOPS	**7.2**	**11.2**
Memory	**12 GB**	**16 GB**
Memory Bandwidth	**—**	**448 GB/s**
TDP	**185 W**	**265 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 2060 12GB peak TFLOPS (dense)	NVIDIA Quadro RTX 5000 16GB peak TFLOPS (dense)
FP64	0.2	0.3
FP32	7.2	11.2
TF32	—	—
BF16	—	—
FP16	28.7	89.2
FP8	—	—
FP6	—	—
FP4	—	—
INT8	114.9	178.4
INT4	229.8	356.8

SPECIFICATIONS

	NVIDIA GeForce RTX 2060 12GB	NVIDIA Quadro RTX 5000 16GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2021	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6

	NVIDIA GeForce RTX 2060 12GB	NVIDIA Quadro RTX 5000 16GB
Interface Width	192-bit	256-bit
Interconnect	–	NVLink
TDP	185 W	265 W
FP32 Efficiency	0.04 TFLOPS/W	0.04 TFLOPS/W