



NVIDIA Quadro RTX 5000 16GB vs NVIDIA GeForce RTX 2080 Super 8GB

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

OVERVIEW

	NVIDIA Quadro RTX 5000 16GB	NVIDIA GeForce RTX 2080 Super 8GB
FP32 TFLOPS	11.2	11.2
VRAM	16 GB	8 GB
Memory Bandwidth	448 GB/s	496 GB/s
TDP	265 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Quadro RTX 5000 16GB peak TFLOPS (dense)	NVIDIA GeForce RTX 2080 Super 8GB peak TFLOPS (dense)
FP64	0.3	0.3
FP32	11.2	11.2
TF32	—	—
BF16	—	—
FP16	89.2	44.6
FP8	—	—
FP6	—	—
FP4	—	—
INT8	178.4	178.4
INT4	356.8	356.8

SPECIFICATIONS

	NVIDIA Quadro RTX 5000 16GB	NVIDIA GeForce RTX 2080 Super 8GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2018	2019
Form Factor	PCIe	PCIe

	NVIDIA Quadro RTX 5000 16GB	NVIDIA GeForce RTX 2080 Super 8GB
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	256-bit
Interconnect	NVLink	NVLink
TDP	265 W	250 W
FP32 Efficiency	0.04 TFLOPS/W	0.04 TFLOPS/W