



NVIDIA Quadro RTX 4000 8GB vs NVIDIA GeForce RTX 2080 Super 8GB

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

OVERVIEW

	NVIDIA Quadro RTX 4000 8GB	NVIDIA GeForce RTX 2080 Super 8GB
FP32 TFLOPS	7.1	11.2
VRAM	8 GB	8 GB
Memory Bandwidth	416 GB/s	496 GB/s
TDP	160 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Quadro RTX 4000 8GB peak TFLOPS (dense)	NVIDIA GeForce RTX 2080 Super 8GB peak TFLOPS (dense)
FP64	0.2	0.3
FP32	7.1	11.2
TF32	—	—
BF16	—	—
FP16	57.0	44.6
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	178.4
INT4	—	356.8

SPECIFICATIONS

	NVIDIA Quadro RTX 4000 8GB	NVIDIA GeForce RTX 2080 Super 8GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2018	2019
Form Factor	PCIe	PCIe

	NVIDIA Quadro RTX 4000 8GB	NVIDIA GeForce RTX 2080 Super 8GB
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	256-bit
Interconnect	—	NVLink
TDP	160 W	250 W
FP32 Efficiency	0.04 TFLOPS/W	0.04 TFLOPS/W