



NVIDIA GeForce RTX 2080 Super 8GB vs NVIDIA Quadro RTX 8000 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 2080 Super 8GB	NVIDIA Quadro RTX 8000 48GB
FP32 TFLOPS	11.2	16.3
VRAM	8 GB	48 GB
Memory Bandwidth	496 GB/s	672 GB/s
TDP	250 W	295 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 2080 Super 8GB peak TFLOPS (dense)	NVIDIA Quadro RTX 8000 48GB peak TFLOPS (dense)
FP64	0.3	0.5
FP32	11.2	16.3
TF32	—	—
BF16	—	—
FP16	44.6	130.5
FP8	—	—
FP6	—	—
FP4	—	—
INT8	178.4	261.0
INT4	356.8	522.0

SPECIFICATIONS

	NVIDIA GeForce RTX 2080 Super 8GB	NVIDIA Quadro RTX 8000 48GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2019	2018
Form Factor	PCIe	PCIe

	NVIDIA GeForce RTX 2080 Super 8GB	NVIDIA Quadro RTX 8000 48GB
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	384-bit
Interconnect	NVLink	NVLink
TDP	250 W	295 W
FP32 Efficiency	0.04 TFLOPS/W	0.06 TFLOPS/W