

NVIDIA Quadro RTX 4000 8GB vs NVIDIA GeForce RTX 2080 Ti 11GB

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

OVERVIEW

	NVIDIA Quadro RTX 4000 8GB	NVIDIA GeForce RTX 2080 Ti 11GB
FP32 TFLOPS	7.1	14.2
VRAM	8 GB	11 GB
Memory Bandwidth	416 GB/s	616 GB/s
TDP	160 W	260 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Quadro RTX 4000 8GB peak TFLOPS (dense)	NVIDIA GeForce RTX 2080 Ti 11GB peak TFLOPS (dense)
FP64	0.2	0.4
FP32	7.1	14.2
TF32	—	—
BF16	—	—
FP16	57.0	56.9
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	227.7
INT4	—	455.4

SPECIFICATIONS

	NVIDIA Quadro RTX 4000 8GB	NVIDIA GeForce RTX 2080 Ti 11GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2018	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6

	NVIDIA Quadro RTX 4000 8GB	NVIDIA GeForce RTX 2080 Ti 11GB
Interface Width	256-bit	352-bit
Interconnect	—	NVLink
TDP	160 W	260 W
FP32 Efficiency	0.04 TFLOPS/W	0.05 TFLOPS/W