

NVIDIA Quadro RTX 4000 8GB vs NVIDIA Quadro RTX 8000 48GB

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

OVERVIEW

	NVIDIA Quadro RTX 4000 8GB	NVIDIA Quadro RTX 8000 48GB
FP32 TFLOPS	7.1	16.3
VRAM	8 GB	48 GB
Memory Bandwidth	416 GB/s	672 GB/s
TDP	160 W	295 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Quadro RTX 4000 8GB peak TFLOPS (dense)	NVIDIA Quadro RTX 8000 48GB peak TFLOPS (dense)
FP64	0.2	0.5
FP32	7.1	16.3
TF32	—	—
BF16	—	—
FP16	57.0	130.5
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	261.0
INT4	—	522.0

SPECIFICATIONS

	NVIDIA Quadro RTX 4000 8GB	NVIDIA Quadro RTX 8000 48GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2018	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	384-bit

	NVIDIA Quadro RTX 4000 8GB	NVIDIA Quadro RTX 8000 48GB
Interconnect	—	NVLink
TDP	160 W	295 W
FP32 Efficiency	0.04 TFLOPS/W	0.06 TFLOPS/W