

NVIDIA Quadro RTX 8000 48GB vs NVIDIA Quadro RTX 6000 24GB

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

OVERVIEW

	NVIDIA Quadro RTX 8000 48GB	NVIDIA Quadro RTX 6000 24GB
FP32 TFLOPS	16.3	16.3
VRAM	48 GB	24 GB
Memory Bandwidth	672 GB/s	672 GB/s
TDP	295 W	295 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Quadro RTX 8000 48GB peak TFLOPS (dense)	NVIDIA Quadro RTX 6000 24GB peak TFLOPS (dense)
FP64	0.5	0.5
FP32	16.3	16.3
TF32	—	—
BF16	—	—
FP16	130.5	130.5
FP8	—	—
FP6	—	—
FP4	—	—
INT8	261.0	261.0
INT4	522.0	522.0

SPECIFICATIONS

	NVIDIA Quadro RTX 8000 48GB	NVIDIA Quadro RTX 6000 24GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2018	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6

	NVIDIA Quadro RTX 8000 48GB	NVIDIA Quadro RTX 6000 24GB
Interface Width	384-bit	384-bit
Interconnect	NVLink	NVLink
TDP	295 W	295 W
FP32 Efficiency	0.06 TFLOPS/W	0.06 TFLOPS/W