

NVIDIA GeForce RTX 2060 6GB vs NVIDIA Quadro RTX 6000 24GB

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

OVERVIEW

	NVIDIA GeForce RTX 2060 6GB	NVIDIA Quadro RTX 6000 24GB
FP32 TFLOPS	6.5	16.3
VRAM	6 GB	24 GB
Memory Bandwidth	336 GB/s	672 GB/s
TDP	160 W	295 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 2060 6GB peak TFLOPS (dense)	NVIDIA Quadro RTX 6000 24GB peak TFLOPS (dense)
FP64	0.2	0.5
FP32	6.5	16.3
TF32	—	—
BF16	—	—
FP16	25.8	130.5
FP8	—	—
FP6	—	—
FP4	—	—
INT8	103.2	261.0
INT4	206.4	522.0

SPECIFICATIONS

	NVIDIA GeForce RTX 2060 6GB	NVIDIA Quadro RTX 6000 24GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2019	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6

	NVIDIA GeForce RTX 2060 6GB	NVIDIA Quadro RTX 6000 24GB
Interface Width	192-bit	384-bit
Interconnect	—	NVLink
TDP	160 W	295 W
FP32 Efficiency	0.04 TFLOPS/W	0.06 TFLOPS/W