AMD Radeon RX 6700 XT 12GB vs NVIDIA GeForce RTX 2060 6GB

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

OVERVIEW

	AMD Radeon RX 6700 XT 12GB	NVIDIA GeForce RTX 2060 6GB
FP32 TFLOPS	**13.2**	**6.5**
Memory	**12 GB**	**6 GB**
Memory Bandwidth	**384 GB/s**	**336 GB/s**
TDP	**230 W**	**160 W**

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 6700 XT 12GB peak TFLOPS (dense)	NVIDIA GeForce RTX 2060 6GB peak TFLOPS (dense)
FP64	–	0.2
FP32	13.2	6.5
TF32	–	–
BF16	–	–
FP16	26.4	25.8
FP8	–	–
FP6	–	–
FP4	–	–
INT8	–	103.2
INT4	–	206.4

SPECIFICATIONS

	AMD Radeon RX 6700 XT 12GB	NVIDIA GeForce RTX 2060 6GB
Architecture	RDNA 2	Turing
Process Node	7nm	12nm
Launch Year	2021	2019
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6

	AMD Radeon RX 6700 XT 12GB	NVIDIA GeForce RTX 2060 6GB
Interface Width	192-bit	192-bit
Interconnect	–	–
TDP	230 W	160 W
FP32 Efficiency	0.06 TFLOPS/W	0.04 TFLOPS/W