AMD Radeon RX 6700 10GB vs NVIDIA GeForce RTX 3060 12GB

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

OVERVIEW

	AMD Radeon RX 6700 10GB	NVIDIA GeForce RTX 3060 12GB
FP32 TFLOPS	**11.3**	**12.7**
Memory	**10 GB**	**12 GB**
Memory Bandwidth	**320 GB/s**	**—**
TDP	**175 W**	**170 W**

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 6700 10GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3060 12GB peak TFLOPS (dense)
FP64	—	0.2
FP32	11.3	12.7
TF32	—	12.7
BF16	—	25.5
FP16	22.6	25.5
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	101.9
INT4	—	203.8

SPECIFICATIONS

	AMD Radeon RX 6700 10GB	NVIDIA GeForce RTX 3060 12GB
Architecture	RDNA 2	Ampere
Process Node	7nm	8nm
Launch Year	2021	2021
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	160-bit	192-bit

	AMD Radeon RX 6700 10GB	NVIDIA GeForce RTX 3060 12GB
Interconnect	–	–
TDP	175 W	170 W
FP32 Efficiency	0.06 TFLOPS/W	0.07 TFLOPS/W