Intel Arc A310 4GB vs NVIDIA GeForce RTX 2060 6GB

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

OVERVIEW

	Intel Arc A310 4GB	NVIDIA GeForce RTX 2060 6GB
FP32 TFLOPS	—	**6.5**
Memory	**4 GB**	**6 GB**
Memory Bandwidth	**124 GB/s**	**336 GB/s**
TDP	**75 W**	**160 W**

PERFORMANCE BY PRECISION

Precision	Intel Arc A310 4GB peak TFLOPS (dense)	NVIDIA GeForce RTX 2060 6GB peak TFLOPS (dense)
FP64	—	0.2
FP32	—	6.5
TF32	—	—
BF16	—	—
FP16	—	25.8
FP8	—	—
FP6	—	—
FP4	—	—
INT8	52.0	103.2
INT4	—	206.4

SPECIFICATIONS

	Intel Arc A310 4GB	NVIDIA GeForce RTX 2060 6GB
Architecture	Alchemist	Turing
Process Node	6nm	12nm
Launch Year	2022	2019
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	64-bit	192-bit

	Intel Arc A310 4GB	NVIDIA GeForce RTX 2060 6GB
Interconnect	–	–
TDP	75 W	160 W
FP32 Efficiency	–	0.04 TFLOPS/W