NVIDIA A10 24GB vs NVIDIA DGX Spark

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

OVERVIEW

	NVIDIA A10 24GB	NVIDIA DGX Spark
FP32 TFLOPS	**31.2**	**—**
Memory	**24 GB**	**128 GB**
Memory Bandwidth	**600 GB/s**	**273 GB/s**
TDP	**150 W**	**140 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA A10 24GB peak TFLOPS (dense)	NVIDIA DGX Spark peak TFLOPS (dense)
FP64	—	—
FP32	31.2	—
TF32	62.5	—
BF16	125.0	—
FP16	125.0	—
FP8	—	—
FP6	—	—
FP4	—	500.0
INT8	250.0	—
INT4	500.0	—

SPECIFICATIONS

	NVIDIA A10 24GB	NVIDIA DGX Spark
Architecture	Ampere	Grace Blackwell
Process Node	—	4nm
Launch Year	2021	2025
Form Factor	PCIe	Desktop Workstation
Memory Type	GDDR6	—
Interface Width	192-bit	—

	NVIDIA A10 24GB	NVIDIA DGX Spark
Interconnect	—	—
TDP	150 W	140 W
FP32 Efficiency	0.21 TFLOPS/W	—