NVIDIA DGX Spark vs NVIDIA V100 SXM2 16GB

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

OVERVIEW

	NVIDIA DGX Spark	NVIDIA V100 SXM2 16GB
FP32 TFLOPS	—	**15.7**
Memory	**128 GB**	**16 GB**
Memory Bandwidth	**273 GB/s**	**900 GB/s**
TDP	**140 W**	**300 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA DGX Spark peak TFLOPS (dense)	NVIDIA V100 SXM2 16GB peak TFLOPS (dense)
FP64	—	7.8
FP32	—	15.7
TF32	—	—
BF16	—	—
FP16	—	125.0
FP8	—	—
FP6	—	—
FP4	500.0	—
INT8	—	—

SPECIFICATIONS

	NVIDIA DGX Spark	NVIDIA V100 SXM2 16GB
Architecture	Grace Blackwell	Volta
Process Node	4nm	12nm
Launch Year	2025	2017
Form Factor	Desktop Workstation	SXM
Memory Type	—	HBM2
Interface Width	—	—
Interconnect	—	—

	NVIDIA DGX Spark	NVIDIA V100 SXM2 16GB
TDP	140 W	300 W
FP32 Efficiency	–	0.05 TFLOPS/W