NVIDIA DGX Spark vs NVIDIA L4 24GB

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

OVERVIEW

	NVIDIA DGX Spark	NVIDIA L4 24GB
FP32 TFLOPS	—	**30.3**
Memory	**128 GB**	**24 GB**
Memory Bandwidth	**273 GB/s**	**300 GB/s**
TDP	**140 W**	**72 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA DGX Spark peak TFLOPS (dense)	NVIDIA L4 24GB peak TFLOPS (dense)
FP64	—	0.4
FP32	—	30.3
TF32	—	60.0
BF16	—	121.0
FP16	—	121.0
FP8	—	242.5
FP6	—	—
FP4	500.0	—
INT8	—	242.5

SPECIFICATIONS

	NVIDIA DGX Spark	NVIDIA L4 24GB
Architecture	Grace Blackwell	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2025	2023
Form Factor	Desktop Workstation	PCIe
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—

	NVIDIA DGX Spark	NVIDIA L4 24GB
TDP	140 W	72 W
FP32 Efficiency	—	0.42 TFLOPS/W