

NVIDIA H20 96GB vs NVIDIA GH200 144GB HBM3e

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

OVERVIEW

	NVIDIA H20 96GB	NVIDIA GH200 144GB HBM3e
FP32 TFLOPS	44.0	67.0
VRAM	96 GB	144 GB
Memory Bandwidth	4.0 TB/s	4.9 TB/s
TDP	400 W	1.0 kW

PERFORMANCE BY PRECISION

Precision	NVIDIA H20 96GB peak TFLOPS (dense)	NVIDIA GH200 144GB HBM3e peak TFLOPS (dense)
INT8	296.0	1979.0
FP8	296.0	1979.0
FP16	148.0	990.0
BF16	148.0	990.0
TF32	74.0	494.0
FP32	44.0	67.0
FP64	1.0	34.0

SPECIFICATIONS

	NVIDIA H20 96GB	NVIDIA GH200 144GB HBM3e
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2024	2024
Form Factor	SXM	SXM
Memory Type	HBM3	HBM3e
Interface Width	—	—
Interconnect	—	NVLink-C2C
TDP	400 W	1.0 kW
FP32 Efficiency	0.11 TFLOPS/W	0.07 TFLOPS/W

