

NVIDIA H20 141GB HBM3e vs NVIDIA GH200 96GB HBM3

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

OVERVIEW

	NVIDIA H20 141GB HBM3e	NVIDIA GH200 96GB HBM3
FP32 TFLOPS	44.0	67.0
VRAM	141 GB	96 GB
Memory Bandwidth	4.0 TB/s	4.0 TB/s
TDP	400 W	1.0 kW

PERFORMANCE BY PRECISION

Precision	NVIDIA H20 141GB HBM3e peak TFLOPS (dense)	NVIDIA GH200 96GB HBM3 peak TFLOPS (dense)
FP64	1.0	34.0
FP64_TC Tensor Core	—	67.0
FP32	44.0	67.0
TF32	74.0	494.0
BF16	148.0	990.0
FP16	148.0	990.0
FP8	296.0	1979.0
FP6	—	—
FP4	—	—
INT8	296.0	1979.0

SPECIFICATIONS

	NVIDIA H20 141GB HBM3e	NVIDIA GH200 96GB HBM3
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2025	2023
Form Factor	SXM	Superchip
Memory Type	HBM3e	HBM3

	NVIDIA H20 141GB HBM3e	NVIDIA GH200 96GB HBM3
Interface Width	—	—
Interconnect	NVLink	NVLink-C2C
TDP	400 W	1.0 kW
FP32 Efficiency	0.11 TFLOPS/W	0.07 TFLOPS/W