NVIDIA GH200 96GB HBM3 vs NVIDIA H20 141GB HBM3e

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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

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