

NVIDIA H100 SXM5 80GB vs NVIDIA GH200 144GB HBM3e

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

OVERVIEW

	NVIDIA H100 SXM5 80GB	NVIDIA GH200 144GB HBM3e
FP32 TFLOPS	67.0	67.0
VRAM	80 GB	144 GB
Memory Bandwidth	3.4 TB/s	4.9 TB/s
TDP	700 W	1.0 kW

PERFORMANCE BY PRECISION

Precision	NVIDIA H100 SXM5 80GB peak TFLOPS (dense)	NVIDIA GH200 144GB HBM3e peak TFLOPS (dense)
INT8	1979.0	1979.0
FP8	1979.0	1979.0
FP16	990.0	990.0
BF16	990.0	990.0
TF32	494.0	494.0
FP32	67.0	67.0
FP64_TC Tensor Core	67.0	—
FP64	34.0	34.0

SPECIFICATIONS

	NVIDIA H100 SXM5 80GB	NVIDIA GH200 144GB HBM3e
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2022	2024
Form Factor	SXM	SXM
Memory Type	—	HBM3e

	NVIDIA H100 SXM5 80GB	NVIDIA GH200 144GB HBM3e
Interface Width	—	—
Interconnect	—	NVLink-C2C
TDP	700 W	1.0 kW
FP32 Efficiency	0.10 TFLOPS/W	0.07 TFLOPS/W