

NVIDIA H100 NVL 94GB vs NVIDIA GH200 96GB HBM3

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

OVERVIEW

	NVIDIA H100 NVL 94GB	NVIDIA GH200 96GB HBM3
FP32 TFLOPS	60.0	67.0
VRAM	94 GB	96 GB
Memory Bandwidth	3.9 TB/s	4.0 TB/s
TDP	400 W	1.0 kW

PERFORMANCE BY PRECISION

Precision	NVIDIA H100 NVL 94GB peak TFLOPS (dense)	NVIDIA GH200 96GB HBM3 peak TFLOPS (dense)
FP64	30.0	34.0
FP64_TC Tensor Core	60.0	67.0
FP32	60.0	67.0
TF32	—	494.0
BF16	—	990.0
FP16	—	990.0
FP8	—	1979.0
FP6	—	—
FP4	—	—
INT8	—	1979.0

SPECIFICATIONS

	NVIDIA H100 NVL 94GB	NVIDIA GH200 96GB HBM3
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	Superchip
Memory Type	HBM3	HBM3

	NVIDIA H100 NVL 94GB	NVIDIA GH200 96GB HBM3
Interface Width	—	—
Interconnect	—	NVLink-C2C
TDP	400 W	1.0 kW
FP32 Efficiency	0.15 TFLOPS/W	0.07 TFLOPS/W