



NVIDIA H200 NVL 141GB vs NVIDIA GH200 96GB HBM3

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

OVERVIEW

	NVIDIA H200 NVL 141GB	NVIDIA GH200 96GB HBM3
FP32 TFLOPS	60.0	67.0
VRAM	141 GB	96 GB
Memory Bandwidth	4.8 TB/s	4.0 TB/s
TDP	600 W	1.0 kW

PERFORMANCE BY PRECISION

Precision	NVIDIA H200 NVL 141GB 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 H200 NVL 141GB	NVIDIA GH200 96GB HBM3
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2024	2023
Form Factor	PCIe	Superchip

	NVIDIA H200 NVL 141GB	NVIDIA GH200 96GB HBM3
Memory Type	HBM3e	HBM3
Interface Width	—	—
Interconnect	—	NVLink-C2C
TDP	600 W	1.0 kW
FP32 Efficiency	0.10 TFLOPS/W	0.07 TFLOPS/W