



NVIDIA GH200 144GB HBM3e

Hopper

SXM

2024

4nm

OVERVIEW

67.0

FP32 TFLOPS

144 GB

VRAM HBM3e

4.9 TB/s

Memory Bandwidth

1.0 kW

TDP

PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	1979.0	8	Standard
FP8	1979.0	8	Standard
FP16	990.0	16	Standard
BF16	990.0	16	Standard
TF32	494.0	32	Standard
FP32	67.0	32	Standard
FP64	34.0	64	Standard

MEMORY SPECIFICATIONS

Capacity	144 GB
Type	HBM3e
Bandwidth	4.9 TB/s
Interface Width	—

POWER & EFFICIENCY

TDP	1.0 kW
Est. Max Power	1.1 kW
FP32 Efficiency	0.07 TFLOPS/W
FP16 Efficiency	0.99 TFLOPS/W

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Hopper	Process Node: 4nm
Form Factor: SXM	Launch Year: 2024	Variant: 144GB HBM3e

INTERCONNECT

GPU-to-GPU: NVLink-C2C	Bandwidth: 900 GB/s
------------------------	---------------------