



# NVIDIA H20 96GB vs NVIDIA H100 NVL 94GB

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

## OVERVIEW

|                  | NVIDIA H20 96GB | NVIDIA H100 NVL 94GB |
|------------------|-----------------|----------------------|
| FP32 TFLOPS      | 44.0            | 60.0                 |
| VRAM             | 96 GB           | 94 GB                |
| Memory Bandwidth | 4.0 TB/s        | 3.9 TB/s             |
| TDP              | 400 W           | 400 W                |

## PERFORMANCE BY PRECISION

| Precision              | NVIDIA H20 96GB peak TFLOPS (dense) | NVIDIA H100 NVL 94GB peak TFLOPS (dense) |
|------------------------|-------------------------------------|------------------------------------------|
| INT8                   | 296.0                               | —                                        |
| FP8                    | 296.0                               | —                                        |
| FP16                   | 148.0                               | —                                        |
| BF16                   | 148.0                               | —                                        |
| TF32                   | 74.0                                | —                                        |
| FP32                   | 44.0                                | 60.0                                     |
| FP64_TC<br>Tensor Core | —                                   | 60.0                                     |
| FP64                   | 1.0                                 | 30.0                                     |

## SPECIFICATIONS

|                 | NVIDIA H20 96GB | NVIDIA H100 NVL 94GB |
|-----------------|-----------------|----------------------|
| Architecture    | Hopper          | Hopper               |
| Process Node    | 4nm             | 4nm                  |
| Launch Year     | 2024            | 2023                 |
| Form Factor     | SXM             | PCIe                 |
| Memory Type     | HBM3            | HBM3                 |
| Interface Width | —               | —                    |
| Interconnect    | —               | —                    |

|                 | NVIDIA H20 96GB | NVIDIA H100 NVL 94GB |
|-----------------|-----------------|----------------------|
| TDP             | 400 W           | 400 W                |
| FP32 Efficiency | 0.11 TFLOPS/W   | 0.15 TFLOPS/W        |