

# NVIDIA GB10 Grace Blackwell vs NVIDIA GB200 NVL72 GPU 186GB

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

## OVERVIEW

|                  | NVIDIA GB10 Grace Blackwell | NVIDIA GB200 NVL72 GPU 186GB |
|------------------|-----------------------------|------------------------------|
| FP32 TFLOPS      | 31.0                        | 80.0                         |
| VRAM             | 128 GB                      | 186 GB                       |
| Memory Bandwidth | 273 GB/s                    | 8.0 TB/s                     |
| TDP              | 180 W                       | —                            |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA GB10 Grace Blackwell peak TFLOPS (dense) | NVIDIA GB200 NVL72 GPU 186GB peak TFLOPS (dense) |
|-----------|-------------------------------------------------|--------------------------------------------------|
| FP64      | —                                               | 40.0                                             |
| FP32      | 31.0                                            | 80.0                                             |
| TF32      | —                                               | 1250.0                                           |
| BF16      | —                                               | 2500.0                                           |
| FP16      | —                                               | 2500.0                                           |
| FP8       | —                                               | 5000.0                                           |
| FP6       | —                                               | 5000.0                                           |
| FP4       | 500.0                                           | 10000.0                                          |
| INT8      | —                                               | 5000.0                                           |

## SPECIFICATIONS

|                 | NVIDIA GB10 Grace Blackwell | NVIDIA GB200 NVL72 GPU 186GB |
|-----------------|-----------------------------|------------------------------|
| Architecture    | Blackwell                   | Blackwell                    |
| Process Node    | —                           | 4nm                          |
| Launch Year     | 2025                        | 2024                         |
| Form Factor     | Integrated                  | SXM                          |
| Memory Type     | LPDDR5X                     | HBM3e                        |
| Interface Width | —                           | —                            |

|                 | NVIDIA GB10 Grace Blackwell | NVIDIA GB200 NVL72 GPU 186GB |
|-----------------|-----------------------------|------------------------------|
| Interconnect    | —                           | NVLink                       |
| TDP             | 180 W                       | —                            |
| FP32 Efficiency | 0.17 TFLOPS/W               | —                            |