# NVIDIA GB200 Grace Blackwell Superchip 372GB vs NVIDIA GeForce RTX 5050 8GB

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

## OVERVIEW

| | NVIDIA GB200 Grace Blackwell Superchip 372GB | NVIDIA GeForce RTX 5050 8GB |
|---|---|---|
| FP32 TFLOPS | **160.0** | **13.2** |
| Memory | **372 GB** | **8 GB** |
| Memory Bandwidth | **16.0 TB/s** | **320 GB/s** |
| TDP | **—** | **130 W** |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA GB200 Grace Blackwell Superchip 372GB peak TFLOPS (dense) | NVIDIA GeForce RTX 5050 8GB peak TFLOPS (dense) |
|---|---|---|
| FP64 | 80.0 | 0.2 |
| FP32 | 160.0 | 13.2 |
| TF32 | 2500.0 | 13.2 |
| BF16 | 5000.0 | 26.3 |
| FP16 | 5000.0 | 52.6 |
| FP8 | 10000.0 | 105.3 |
| FP6 | 10000.0 | — |
| FP4 | 20000.0 | 210.5 |
| INT8 | 10000.0 | 105.3 |

## SPECIFICATIONS

| | NVIDIA GB200 Grace Blackwell Superchip 372GB | NVIDIA GeForce RTX 5050 8GB |
|---|---|---|
| Architecture | Blackwell | Blackwell |
| Process Node | 4nm | 4nm |
| Launch Year | 2024 | 2025 |
| Form Factor | Superchip | PCIe |
| Memory Type | HBM3e | GDDR6 |

| | NVIDIA GB200 Grace Blackwell Superchip 372GB | NVIDIA GeForce RTX 5050 8GB |
|---|---|---|
| Interface Width | – | 128-bit |
| Interconnect | NVLink-C2C | – |
| TDP | – | 130 W |
| FP32 Efficiency | – | 0.10 TFLOPS/W |