

# NVIDIA GB200 Grace Blackwell Superchip 372GB vs NVIDIA RTX PRO 5000 Blackwell 72GB

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

## OVERVIEW

|                  | NVIDIA GB200 Grace Blackwell Superchip 372GB | NVIDIA RTX PRO 5000 Blackwell 72GB |
|------------------|----------------------------------------------|------------------------------------|
| FP32 TFLOPS      | 160.0                                        | 65.0                               |
| Memory           | 372 GB                                       | 72 GB                              |
| Memory Bandwidth | 16.0 TB/s                                    | 1.3 TB/s                           |
| TDP              | —                                            | 300 W                              |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA GB200 Grace Blackwell Superchip 372GB<br>peak TFLOPS (dense) | NVIDIA RTX PRO 5000 Blackwell 72GB<br>peak TFLOPS (dense) |
|-----------|---------------------------------------------------------------------|-----------------------------------------------------------|
| FP64      | 80.0                                                                | —                                                         |
| FP32      | 160.0                                                               | 65.0                                                      |
| TF32      | 2500.0                                                              | —                                                         |
| BF16      | 5000.0                                                              | —                                                         |
| FP16      | 5000.0                                                              | —                                                         |
| FP8       | 10000.0                                                             | —                                                         |
| FP6       | 10000.0                                                             | —                                                         |
| FP4       | 20000.0                                                             | 1032.0                                                    |
| INT8      | 10000.0                                                             | —                                                         |

## SPECIFICATIONS

|              | NVIDIA GB200 Grace Blackwell Superchip 372GB | NVIDIA RTX PRO 5000 Blackwell 72GB |
|--------------|----------------------------------------------|------------------------------------|
| Architecture | Blackwell                                    | Blackwell                          |
| Process Node | 4nm                                          | 4nm                                |
| Launch Year  | 2024                                         | 2025                               |

| NVIDIA GB200 Grace Blackwell Superchip<br>372GB |  | NVIDIA RTX PRO 5000 Blackwell<br>72GB |               |
|-------------------------------------------------|--|---------------------------------------|---------------|
| Form Factor                                     |  | Superchip                             | PCIe          |
| Memory Type                                     |  | HBM3e                                 | GDDR7         |
| Interface Width                                 |  | —                                     | 512-bit       |
| Interconnect                                    |  | NVLink-C2C                            | —             |
| TDP                                             |  | —                                     | 300 W         |
| FP32 Efficiency                                 |  | —                                     | 0.22 TFLOPS/W |