

# NVIDIA RTX PRO 4000 Blackwell SFF 24GB vs NVIDIA GB200 Grace Blackwell Superchip 372GB

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

## OVERVIEW

|                  | NVIDIA RTX PRO 4000 Blackwell SFF 24GB | NVIDIA GB200 Grace Blackwell Superchip 372GB |
|------------------|----------------------------------------|----------------------------------------------|
| FP32 TFLOPS      | 24.0                                   | 160.0                                        |
| VRAM             | 24 GB                                  | 372 GB                                       |
| Memory Bandwidth | 432 GB/s                               | 16.0 TB/s                                    |
| TDP              | 70 W                                   | —                                            |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA RTX PRO 4000 Blackwell SFF 24GB peak TFLOPS (dense) | NVIDIA GB200 Grace Blackwell Superchip 372GB peak TFLOPS (dense) |
|-----------|------------------------------------------------------------|------------------------------------------------------------------|
| FP64      | —                                                          | 80.0                                                             |
| FP32      | 24.0                                                       | 160.0                                                            |
| TF32      | —                                                          | 2500.0                                                           |
| BF16      | —                                                          | 5000.0                                                           |
| FP16      | —                                                          | 5000.0                                                           |
| FP8       | —                                                          | 10000.0                                                          |
| FP6       | —                                                          | 10000.0                                                          |
| FP4       | 385.0                                                      | 20000.0                                                          |
| INT8      | —                                                          | 10000.0                                                          |

## SPECIFICATIONS

|              | NVIDIA RTX PRO 4000 Blackwell SFF 24GB | NVIDIA GB200 Grace Blackwell Superchip 372GB |
|--------------|----------------------------------------|----------------------------------------------|
| Architecture | Blackwell                              | Blackwell                                    |
| Process Node | 4nm                                    | 4nm                                          |
| Launch Year  | 2025                                   | 2024                                         |

|                 | NVIDIA RTX PRO 4000 Blackwell SFF<br>24GB | NVIDIA GB200 Grace Blackwell Superchip<br>372GB |
|-----------------|-------------------------------------------|-------------------------------------------------|
| Form Factor     | PCIe                                      | Superchip                                       |
| Memory Type     | GDDR7                                     | HBM3e                                           |
| Interface Width | 192-bit                                   | —                                               |
| Interconnect    | —                                         | NVLink-C2C                                      |
| TDP             | 70 W                                      | —                                               |
| FP32 Efficiency | 0.34 TFLOPS/W                             | —                                               |