# NVIDIA B200 SXM 180GB vs NVIDIA RTX PRO 5500 Blackwell Workstation Edition

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

## OVERVIEW

| | NVIDIA B200 SXM 180GB | NVIDIA RTX PRO 5500 Blackwell Workstation Edition |
|---|---|---|
| FP32 TFLOPS | **75.0** | **—** |
| Memory | **180 GB** | **84 GB** |
| Memory Bandwidth | **7.7 TB/s** | **1.4 TB/s** |
| TDP | **1.0 kW** | **600 W** |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA B200 SXM 180GB peak TFLOPS (dense) | NVIDIA RTX PRO 5500 Blackwell Workstation Edition peak TFLOPS (dense) |
|---|---|---|
| FP64 | 37.0 | — |
| FP32 | 75.0 | — |
| TF32 | 1125.0 | — |
| BF16 | 2250.0 | — |
| FP16 | 2250.0 | — |
| FP8 | 4500.0 | — |
| FP6 | 4500.0 | — |
| FP4 | 9000.0 | — |
| INT8 | 4500.0 | — |

## SPECIFICATIONS

| | NVIDIA B200 SXM 180GB | NVIDIA RTX PRO 5500 Blackwell Workstation Edition |
|---|---|---|
| Architecture | Blackwell | Blackwell |
| Process Node | 4nm | 4nm |
| Launch Year | 2024 | 2026 |
| Form Factor | SXM | PCIe |
| Memory Type | — | GDDR7 |

| | NVIDIA B200 SXM 180GB | NVIDIA RTX PRO 5500 Blackwell Workstation Edition |
|---|---|---|
| Interface Width | — | 416-bit |
| Interconnect | — | — |
| TDP | 1.0 kW | 600 W |
| FP32 Efficiency | 0.07 TFLOPS/W | — |