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

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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

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