NVIDIA GB200 Grace Blackwell Superchip 372GB vs NVIDIA RTX PRO 4500 Blackwell Server Edition

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

OVERVIEW

	NVIDIA GB200 Grace Blackwell Superchip 372GB	NVIDIA RTX PRO 4500 Blackwell Server Edition
FP32 TFLOPS	**160.0**	**51.0**
Memory	**372 GB**	**32 GB**
Memory Bandwidth	**16.0 TB/s**	**800 GB/s**
TDP	–	**165 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA GB200 Grace Blackwell Superchip 372GB peak TFLOPS (dense)	NVIDIA RTX PRO 4500 Blackwell Server Edition peak TFLOPS (dense)
FP64	80.0	–
FP32	160.0	51.0
TF32	2500.0	101.5
BF16	5000.0	203.0
FP16	5000.0	203.0
FP8	10000.0	405.5
FP6	10000.0	–
FP4	20000.0	800.0
INT8	10000.0	–

SPECIFICATIONS

	NVIDIA GB200 Grace Blackwell Superchip 372GB	NVIDIA RTX PRO 4500 Blackwell Server Edition
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2024	2026

	NVIDIA GB200 Grace Blackwell Superchip 372GB	NVIDIA RTX PRO 4500 Blackwell Server Edition
Form Factor	Superchip	PCIe
Memory Type	HBM3e	GDDR7
Interface Width	–	256-bit
Interconnect	NVLink-C2C	–
TDP	–	165 W
FP32 Efficiency	–	0.31 TFLOPS/W