Graphcore GC200 vs NVIDIA RTX PRO 5000 Blackwell 48GB

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

OVERVIEW

	Graphcore GC200	NVIDIA RTX PRO 5000 Blackwell 48GB
FP32 TFLOPS	**62.5**	**65.0**
Memory	**—**	**48 GB**
Memory Bandwidth	**—**	**1.3 TB/s**
TDP	**—**	**300 W**

PERFORMANCE BY PRECISION

Precision	Graphcore GC200 peak TFLOPS (dense)	NVIDIA RTX PRO 5000 Blackwell 48GB peak TFLOPS (dense)
FP64	—	—
FP32	62.5	65.0
TF32	—	—
BF16	—	—
FP16	250.0	—
FP8	—	—
FP6	—	—
FP4	—	1032.0
INT8	—	—

SPECIFICATIONS

	Graphcore GC200	NVIDIA RTX PRO 5000 Blackwell 48GB
Architecture	Colossus MK2	Blackwell
Process Node	7nm	4nm
Launch Year	2020	2025
Form Factor	—	PCIe
Memory Type	On-die SRAM	GDDR7
Interface Width	—	512-bit
Interconnect	IPU-Link	—

	Graphcore GC200	NVIDIA RTX PRO 5000 Blackwell 48GB
TDP	–	300 W
FP32 Efficiency	–	0.22 TFLOPS/W