NVIDIA Groq 3 LPU vs NVIDIA RTX PRO 6000 Blackwell Max-Q Workstation Edition

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

OVERVIEW

	NVIDIA Groq 3 LPU	NVIDIA RTX PRO 6000 Blackwell Max-Q Workstation Edition
FP32 TFLOPS	–	**109.7**
Memory	–	**96 GB**
Memory Bandwidth	–	**1.8 TB/s**
TDP	–	**300 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA Groq 3 LPU peak TFLOPS (dense)	NVIDIA RTX PRO 6000 Blackwell Max-Q Workstation Edition peak TFLOPS (dense)
FP64	–	1.7
FP32	–	109.7
TF32	–	219.5
BF16	–	438.9
FP16	–	438.9
FP8	1200.0	877.9
FP6	–	–
FP4	–	1755.7
INT8	–	877.9

SPECIFICATIONS

	NVIDIA Groq 3 LPU	NVIDIA RTX PRO 6000 Blackwell Max-Q Workstation Edition
Architecture	Groq LPU	Blackwell
Process Node	–	4nm
Launch Year	2026	2025
Form Factor	–	PCIe
Memory Type	On-die SRAM	GDDR7

	NVIDIA Groq 3 LPU	NVIDIA RTX PRO 6000 Blackwell Max-Q Workstation Edition
Interface Width	—	512-bit
Interconnect	LPU C2C	—
TDP	—	300 W
FP32 Efficiency	—	0.37 TFLOPS/W