NVIDIA Groq 3 LPU vs NVIDIA RTX PRO 6000 Blackwell Workstation Edition

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

OVERVIEW

	NVIDIA Groq 3 LPU	NVIDIA RTX PRO 6000 Blackwell Workstation Edition
FP32 TFLOPS	–	**126.0**
Memory	–	**96 GB**
Memory Bandwidth	–	**1.8 TB/s**
TDP	–	**600 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA Groq 3 LPU peak TFLOPS (dense)	NVIDIA RTX PRO 6000 Blackwell Workstation Edition peak TFLOPS (dense)
FP64	–	2.0
FP32	–	126.0
TF32	–	251.9
BF16	–	503.8
FP16	–	503.8
FP8	1200.0	1007.6
FP6	–	–
FP4	–	2015.2
INT8	–	1007.6

SPECIFICATIONS

	NVIDIA Groq 3 LPU	NVIDIA RTX PRO 6000 Blackwell 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 Workstation Edition
Interface Width	—	512-bit
Interconnect	LPU C2C	—
TDP	—	600 W
FP32 Efficiency	—	0.21 TFLOPS/W