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

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

OVERVIEW

	NVIDIA Groq 3 LPU	NVIDIA RTX PRO 6000 Blackwell Server Edition
FP32 TFLOPS	—	**120.0**
Memory	—	**96 GB**
Memory Bandwidth	—	**1.6 TB/s**
TDP	—	**600 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA Groq 3 LPU peak TFLOPS (dense)	NVIDIA RTX PRO 6000 Blackwell Server Edition peak TFLOPS (dense)
FP64	—	—
FP32	—	120.0
TF32	—	234.0
BF16	—	500.0
FP16	—	500.0
FP8	1200.0	1000.0
FP6	—	—
FP4	—	2000.0
INT8	—	—

SPECIFICATIONS

	NVIDIA Groq 3 LPU	NVIDIA RTX PRO 6000 Blackwell Server 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 Server Edition
Interface Width	—	512-bit
Interconnect	LPU C2C	—
TDP	—	600 W
FP32 Efficiency	—	0.20 TFLOPS/W