NVIDIA Groq 3 LPU vs SambaNova SN40L

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

OVERVIEW

	NVIDIA Groq 3 LPU	SambaNova SN40L
FP32 TFLOPS	–	–
Memory	–	64 GB
Memory Bandwidth	–	1.8 TB/s
TDP	–	–

PERFORMANCE BY PRECISION

Precision	NVIDIA Groq 3 LPU peak TFLOPS (dense)	SambaNova SN40L peak TFLOPS (dense)
FP64	–	–
FP32	–	–
TF32	–	–
BF16	–	638.0
FP16	–	–
FP8	1200.0	–
FP6	–	–
FP4	–	–
INT8	–	–

SPECIFICATIONS

	NVIDIA Groq 3 LPU	SambaNova SN40L
Architecture	Groq LPU	RDU
Process Node	–	5nm
Launch Year	2026	–
Form Factor	–	–
Memory Type	On-die SRAM	HBM
Interface Width	–	–
Interconnect	LPU C2C	–

	NVIDIA Groq 3 LPU	SambaNova SN40L
TDP	–	–
FP32 Efficiency	–	–