Google TPU v5p 95GB vs NVIDIA B200 SXM 180GB

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

OVERVIEW

	Google TPU v5p 95GB	NVIDIA B200 SXM 180GB
FP32 TFLOPS	—	**75.0**
Memory	**95 GB**	**180 GB**
Memory Bandwidth	**2.8 TB/s**	**7.7 TB/s**
TDP	**450 W**	**1.0 kW**

PERFORMANCE BY PRECISION

Precision	Google TPU v5p 95GB peak TFLOPS (dense)	NVIDIA B200 SXM 180GB peak TFLOPS (dense)
FP64	—	37.0
FP32	—	75.0
TF32	—	1125.0
BF16	459.0	2250.0
FP16	—	2250.0
FP8	459.0	4500.0
FP6	—	4500.0
FP4	—	9000.0
INT8	—	4500.0

SPECIFICATIONS

	Google TPU v5p 95GB	NVIDIA B200 SXM 180GB
Architecture	TPU v5p	Blackwell
Process Node	5nm	4nm
Launch Year	2023	2024
Form Factor	Custom	SXM
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—

	Google TPU v5p 95GB	NVIDIA B200 SXM 180GB
TDP	450 W	1.0 kW
FP32 Efficiency	–	0.07 TFLOPS/W