Huawei Ascend 950DT vs NVIDIA B200 SXM 180GB

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

OVERVIEW

	Huawei Ascend 950DT	NVIDIA B200 SXM 180GB
FP32 TFLOPS	**30.0**	**75.0**
Memory	**144 GB**	**180 GB**
Memory Bandwidth	**4.0 TB/s**	**7.7 TB/s**
TDP	**—**	**1.0 kW**

PERFORMANCE BY PRECISION

Precision	Huawei Ascend 950DT peak TFLOPS (dense)	NVIDIA B200 SXM 180GB peak TFLOPS (dense)
FP64	—	37.0
FP32	30.0	75.0
TF32	273.0	1125.0
BF16	547.0	2250.0
FP16	547.0	2250.0
FP8	1034.0	4500.0
FP6	—	4500.0
FP4	2007.0	9000.0
INT8	1034.0	4500.0

SPECIFICATIONS

	Huawei Ascend 950DT	NVIDIA B200 SXM 180GB
Architecture	Da Vinci v3	Blackwell
Process Node	—	4nm
Launch Year	2026	2024
Form Factor	OAM	SXM
Memory Type	HiZQ 2.0	—
Interface Width	—	—
Interconnect	Unified Bus 2.0	—

	Huawei Ascend 950DT	NVIDIA B200 SXM 180GB
TDP	—	1.0 kW
FP32 Efficiency	—	0.07 TFLOPS/W