Huawei Ascend 950DT vs NVIDIA RTX PRO 6000 Blackwell Workstation Edition

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

OVERVIEW

	Huawei Ascend 950DT	NVIDIA RTX PRO 6000 Blackwell Workstation Edition
FP32 TFLOPS	**30.0**	**126.0**
Memory	**144 GB**	**96 GB**
Memory Bandwidth	**4.0 TB/s**	**1.8 TB/s**
TDP	**—**	**600 W**

PERFORMANCE BY PRECISION

Precision	Huawei Ascend 950DT peak TFLOPS (dense)	NVIDIA RTX PRO 6000 Blackwell Workstation Edition peak TFLOPS (dense)
FP64	—	2.0
FP32	30.0	126.0
TF32	273.0	251.9
BF16	547.0	503.8
FP16	547.0	503.8
FP8	1034.0	1007.6
FP6	—	—
FP4	2007.0	2015.2
INT8	1034.0	1007.6

SPECIFICATIONS

	Huawei Ascend 950DT	NVIDIA RTX PRO 6000 Blackwell Workstation Edition
Architecture	Da Vinci v3	Blackwell
Process Node	—	4nm
Launch Year	2026	2025
Form Factor	OAM	PCIe
Memory Type	HiZQ 2.0	GDDR7

	Huawei Ascend 950DT	NVIDIA RTX PRO 6000 Blackwell Workstation Edition
Interface Width	—	512-bit
Interconnect	Unified Bus 2.0	—
TDP	—	600 W
FP32 Efficiency	—	0.21 TFLOPS/W