Huawei Atlas 300V vs NVIDIA Quadro RTX 4000 8GB

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

OVERVIEW

	Huawei Atlas 300V	NVIDIA Quadro RTX 4000 8GB
FP32 TFLOPS	–	**7.1**
Memory	**24 GB**	**8 GB**
Memory Bandwidth	**205 GB/s**	**416 GB/s**
TDP	**72 W**	**160 W**

PERFORMANCE BY PRECISION

Precision	Huawei Atlas 300V peak TFLOPS (dense)	NVIDIA Quadro RTX 4000 8GB peak TFLOPS (dense)
FP64	–	0.2
FP32	–	7.1
TF32	–	–
BF16	–	–
FP16	50.0	57.0
FP8	–	–
FP6	–	–
FP4	–	–
INT8	100.0	–

SPECIFICATIONS

	Huawei Atlas 300V	NVIDIA Quadro RTX 4000 8GB
Architecture	Da Vinci	Turing
Process Node	–	12nm
Launch Year	2022	2018
Form Factor	PCIe	PCIe
Memory Type	LPDDR4X	GDDR6
Interface Width	–	256-bit
Interconnect	–	–

	Huawei Atlas 300V	NVIDIA Quadro RTX 4000 8GB
TDP	72 W	160 W
FP32 Efficiency	–	0.04 TFLOPS/W