Huawei Atlas 200I A2 20 TOPS vs NVIDIA Tesla P4 8GB

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

OVERVIEW

	Huawei Atlas 200I A2 20 TOPS	NVIDIA Tesla P4 8GB
FP32 TFLOPS	–	**5.5**
Memory	**12 GB**	**8 GB**
Memory Bandwidth	**51 GB/s**	**192 GB/s**
TDP	**25 W**	**75 W**

PERFORMANCE BY PRECISION

Precision	Huawei Atlas 200I A2 20 TOPS peak TFLOPS (dense)	NVIDIA Tesla P4 8GB peak TFLOPS (dense)
FP64	–	–
FP32	–	5.5
TF32	–	–
BF16	–	–
FP16	10.0	–
FP8	–	–
FP6	–	–
FP4	–	–
INT8	20.0	22.0

SPECIFICATIONS

	Huawei Atlas 200I A2 20 TOPS	NVIDIA Tesla P4 8GB
Architecture	Da Vinci	Pascal
Process Node	–	16nm
Launch Year	2023	2016
Form Factor	Module	PCIe
Memory Type	LPDDR4X	GDDR5
Interface Width	–	–
Interconnect	–	–

	Huawei Atlas 200I A2 20 TOPS	NVIDIA Tesla P4 8GB
TDP	25 W	75 W
FP32 Efficiency	–	0.07 TFLOPS/W