



Huawei Ascend 910A vs Huawei Atlas 200I A2 20 TOPS

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

OVERVIEW

	Huawei Ascend 910A	Huawei Atlas 200I A2 20 TOPS
FP32 TFLOPS	16.0	—
VRAM	32 GB	12 GB
Memory Bandwidth	1.2 TB/s	51 GB/s
TDP	310 W	25 W

PERFORMANCE BY PRECISION

Precision	Huawei Ascend 910A peak TFLOPS (dense)	Huawei Atlas 200I A2 20 TOPS peak TFLOPS (dense)
FP64	—	—
FP32	16.0	—
TF32	—	—
BF16	—	—
FP16	256.0	10.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	512.0	20.0

SPECIFICATIONS

	Huawei Ascend 910A	Huawei Atlas 200I A2 20 TOPS
Architecture	Da Vinci	Da Vinci
Process Node	TSMC 7nm	—
Launch Year	2019	2023
Form Factor	OAM	Module
Memory Type	HBM2	LPDDR4X
Interface Width	—	—
Interconnect	HCCS	—

	Huawei Ascend 910A	Huawei Atlas 200I A2 20 TOPS
TDP	310 W	25 W
FP32 Efficiency	0.05 TFLOPS/W	—