



Huawei Ascend 910A vs Huawei Atlas 300V

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

OVERVIEW

	Huawei Ascend 910A	Huawei Atlas 300V
FP32 TFLOPS	16.0	—
Memory	32 GB	24 GB
Memory Bandwidth	1.2 TB/s	205 GB/s
TDP	310 W	72 W

PERFORMANCE BY PRECISION

Precision	Huawei Ascend 910A peak TFLOPS (dense)	Huawei Atlas 300V peak TFLOPS (dense)
FP64	—	—
FP32	16.0	—
TF32	—	—
BF16	—	—
FP16	256.0	50.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	512.0	100.0

SPECIFICATIONS

	Huawei Ascend 910A	Huawei Atlas 300V
Architecture	Da Vinci	Da Vinci
Process Node	TSMC 7nm	—
Launch Year	2019	2022
Form Factor	OAM	PCIe
Memory Type	HBM2	LPDDR4X
Interface Width	—	—
Interconnect	HCCS	—

	Huawei Ascend 910A	Huawei Atlas 300V
TDP	310 W	72 W
FP32 Efficiency	0.05 TFLOPS/W	—