

Huawei Atlas 300V vs Huawei Ascend 910A

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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

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