Huawei Atlas 300V Pro vs Huawei Ascend 910A

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

OVERVIEW

	Huawei Atlas 300V Pro	Huawei Ascend 910A
FP32 TFLOPS	–	**16.0**
VRAM	**48 GB**	**32 GB**
Memory Bandwidth	**205 GB/s**	**1.2 TB/s**
TDP	–	**310 W**

PERFORMANCE BY PRECISION

Precision	Huawei Atlas 300V Pro peak TFLOPS (dense)	Huawei Ascend 910A peak TFLOPS (dense)
FP64	–	–
FP32	–	16.0
TF32	–	–
BF16	–	–
FP16	70.0	256.0
FP8	–	–
FP6	–	–
FP4	–	–
INT8	140.0	512.0

SPECIFICATIONS

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