



Huawei Ascend 310 vs Huawei Ascend 910A

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

OVERVIEW

	Huawei Ascend 310	Huawei Ascend 910A
FP32 TFLOPS	—	16.0
Memory	—	32 GB
Memory Bandwidth	—	1.2 TB/s
TDP	8 W	310 W

PERFORMANCE BY PRECISION

Precision	Huawei Ascend 310 peak TFLOPS (dense)	Huawei Ascend 910A peak TFLOPS (dense)
FP64	—	—
FP32	—	16.0
TF32	—	—
BF16	—	—
FP16	8.0	256.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	16.0	512.0

SPECIFICATIONS

	Huawei Ascend 310	Huawei Ascend 910A
Architecture	Da Vinci	Da Vinci
Process Node	12nm	TSMC 7nm
Launch Year	2018	2019
Form Factor	SoC	OAM
Memory Type	LPDDR4X	HBM2
Interface Width	128-bit	—
Interconnect	—	HCCS

	Huawei Ascend 310	Huawei Ascend 910A
TDP	8 W	310 W
FP32 Efficiency	—	0.05 TFLOPS/W