Huawei Atlas 300V Pro vs NVIDIA A10G 24GB

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

OVERVIEW

	Huawei Atlas 300V Pro	NVIDIA A10G 24GB
FP32 TFLOPS	—	35.0
Memory	48 GB	24 GB
Memory Bandwidth	205 GB/s	600 GB/s
TDP	—	300 W

PERFORMANCE BY PRECISION

Precision	Huawei Atlas 300V Pro peak TFLOPS (dense)	NVIDIA A10G 24GB peak TFLOPS (dense)
FP64	—	—
FP32	—	35.0
TF32	—	35.0
BF16	—	70.0
FP16	70.0	70.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	140.0	140.0
INT4	—	280.0

SPECIFICATIONS

	Huawei Atlas 300V Pro	NVIDIA A10G 24GB
Architecture	Da Vinci	Ampere
Process Node	—	8nm
Launch Year	2022	2022
Form Factor	PCIe	PCIe
Memory Type	LPDDR4X	GDDR6
Interface Width	—	—

	Huawei Atlas 300V Pro	NVIDIA A10G 24GB
Interconnect	—	—
TDP	—	300 W
FP32 Efficiency	—	0.12 TFLOPS/W