Huawei Ascend 910C vs Huawei Ascend 970

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

OVERVIEW

	Huawei Ascend 910C	Huawei Ascend 970
FP32 TFLOPS	**50.0**	**—**
Memory	**128 GB**	**288 GB**
Memory Bandwidth	**3.2 TB/s**	**14.4 TB/s**
TDP	**600 W**	**—**

PERFORMANCE BY PRECISION

Precision	Huawei Ascend 910C peak TFLOPS (dense)	Huawei Ascend 970 peak TFLOPS (dense)
FP64	—	—
FP32	50.0	—
TF32	—	—
BF16	800.0	2000.0
FP16	800.0	2000.0
FP8	—	4000.0
FP6	—	—
FP4	—	8000.0
INT8	1600.0	—

SPECIFICATIONS

	Huawei Ascend 910C	Huawei Ascend 970
Architecture	Da Vinci v2 (dual-die)	Da Vinci v5
Process Node	SMIC 7nm	—
Launch Year	2025	2028
Form Factor	OAM	OAM
Memory Type	HBM2e	—
Interface Width	—	—
Interconnect	Unified Bus (UB)	Unified Bus 3.0

	Huawei Ascend 910C	Huawei Ascend 970
TDP	600 W	–
FP32 Efficiency	0.08 TFLOPS/W	–