Huawei Ascend 910B vs Huawei Ascend 950PR

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

OVERVIEW

	Huawei Ascend 910B	Huawei Ascend 950PR
FP32 TFLOPS	—	—
Memory	64 GB	128 GB
Memory Bandwidth	1.6 TB/s	1.6 TB/s
TDP	400 W	900 W

PERFORMANCE BY PRECISION

Precision	Huawei Ascend 910B peak TFLOPS (dense)	Huawei Ascend 950PR peak TFLOPS (dense)
FP64	—	—
FP32	—	—
TF32	—	—
BF16	400.0	500.0
FP16	400.0	500.0
FP8	—	1000.0
FP6	—	—
FP4	—	2000.0
INT8	800.0	—

SPECIFICATIONS

	Huawei Ascend 910B	Huawei Ascend 950PR
Architecture	Da Vinci v2	Da Vinci v3
Process Node	SMIC 7nm	—
Launch Year	2024	2026
Form Factor	OAM	OAM
Memory Type	HBM2e	HiBL 1.0
Interface Width	—	—
Interconnect	HCCS	Unified Bus 2.0

	Huawei Ascend 910B	Huawei Ascend 950PR
TDP	400 W	900 W
FP32 Efficiency	–	–