# Huawei Ascend 910C vs Huawei Ascend 950PR

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

## OVERVIEW

| | Huawei Ascend 910C | Huawei Ascend 950PR |
|---|---|---|
| FP32 TFLOPS | **50.0** | **—** |
| Memory | **128 GB** | **128 GB** |
| Memory Bandwidth | **3.2 TB/s** | **1.6 TB/s** |
| TDP | **600 W** | **900 W** |

## PERFORMANCE BY PRECISION

| Precision | Huawei Ascend 910C peak TFLOPS (dense) | Huawei Ascend 950PR peak TFLOPS (dense) |
|---|---|---|
| FP64 | — | — |
| FP32 | 50.0 | — |
| TF32 | — | — |
| BF16 | 800.0 | 500.0 |
| FP16 | 800.0 | 500.0 |
| FP8 | — | 1000.0 |
| FP6 | — | — |
| FP4 | — | 2000.0 |
| INT8 | 1600.0 | — |

## SPECIFICATIONS

| | Huawei Ascend 910C | Huawei Ascend 950PR |
|---|---|---|
| Architecture | Da Vinci v2 (dual-die) | Da Vinci v3 |
| Process Node | SMIC 7nm | — |
| Launch Year | 2025 | 2026 |
| Form Factor | OAM | OAM |
| Memory Type | HBM2e | HiBL 1.0 |
| Interface Width | — | — |
| Interconnect | Unified Bus (UB) | Unified Bus 2.0 |

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|---|---|---|
| TDP | 600 W | 900 W |
| FP32 Efficiency | 0.08 TFLOPS/W | – |