



AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo) vs NVIDIA Tesla P40 24GB

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

OVERVIEW

	AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo)	NVIDIA Tesla P40 24GB
FP32 TFLOPS	22.9	12.0
Memory	128 GB	24 GB
Memory Bandwidth	256 GB/s	346 GB/s
TDP	55 W	250 W

PERFORMANCE BY PRECISION

Precision	AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo) peak TFLOPS (dense)	NVIDIA Tesla P40 24GB peak TFLOPS (dense)
FP64	—	—
FP32	22.9	12.0
TF32	—	—
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	47.0

SPECIFICATIONS

	AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo)	NVIDIA Tesla P40 24GB
Architecture	RDNA 3.5	Pascal
Process Node	4nm	16nm
Launch Year	2025	2016
Form Factor	SoC	PCIe
Memory Type	LPDDR5X	GDDR5
Interface Width	256-bit	—

	AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo)	NVIDIA Tesla P40 24GB
Interconnect	—	—
TDP	55 W	250 W
FP32 Efficiency	0.42 TFLOPS/W	0.05 TFLOPS/W