



AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo)

RDNA 3.5 SoC 2025 4nm

OVERVIEW

22.9 FP32 TFLOPS	128 GB VRAM LPDDR5X	256 GB/s Memory Bandwidth	55 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	22.9	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	—	—	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	—	—	Standard

MEMORY SPECIFICATIONS

Capacity	128 GB
Type	LPDDR5X
Bandwidth	256 GB/s
Interface Width	256-bit

POWER & EFFICIENCY

TDP	55 W
Max Power	120 W
FP32 Efficiency	0.42 TFLOPS/W
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: AMD	Architecture: RDNA 3.5	Process Node: 4nm
Form Factor: SoC	Launch Year: 2025	Variant: Radeon 8050S (Strix Halo)

COMPUTE ENGINE

Stream Processors: 2,048	CUs: 32	Boost Clock: 2.80 GHz
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ENTERPRISE FEATURES

Sparsity: No

