



AMD Ryzen AI Max+ 395 (Strix Halo)

Also known as: Strix Halo · Ryzen AI Max+ 395 128GB · Radeon 8060S

The Ryzen AI Max+ 395, codenamed Strix Halo, is AMD's 16-core Zen 5 processor with an integrated 40-compute-unit Radeon 8060S GPU and a 256-bit LPDDR5x-8000 memory interface supporting up to 128 GB of soldered unified memory. It is sold inside laptops and mini PCs (Framework Desktop, GMKtec EVO-X2, Minisforum, Beelink and others), not as a retail chip, and its draw for AI work is that one box can hold models that need far more than a 32 GB discrete card. It is the x86 alternative to the DGX Spark class: more flexible, no CUDA, and memory bandwidth in the same range. It is a development and small-team inference box, not a cluster node.

16-core Zen 5, 32 threads CPU · up to 5.1 GHz boost, 3 GHz base	Radeon 8060S, 40 CUs GPU · up to 2,900 MHz	Up to 128 GB LPDDR5x-8000 Memory · 256-bit, unified, soldered
256 GB/s Memory bandwidth · theoretical, derived from 8000 MT/s x 256-bit	Up to 126 TOPS AI throughput · 50 TOPS NPU; up to 60 TFLOPS FP16 AI compute	55 W default TDP Power · configurable 45 to 120 W

COMPUTE		01/05
CPU cores	16x Zen 5, 32 threads · SMT	
Clocks	3 GHz base, up to 5.1 GHz boost	
Cache	16 MB L2, 64 MB L3	
Graphics	Radeon 8060S · 40 graphics cores, up to 2,900 MHz	
NPU	Up to 50 TOPS	
FP16 AI compute	Up to 60 TFLOPS · AMD figure	
Total AI	Up to 126 TOPS · CPU, GPU and NPU combined	
Process	TSMC 4nm FinFET · three dies in the package	

PROCUREMENT

Typical lead time

Mostly in stock at vendors in late September and early October 2026 (reported); some models show out of stock. Verify per vendor.

Pricing

128 GB systems reported at \$3,324 to \$4,349 on 28 to 30 September 2026, roughly double the mid-2026 level, attributed to the DRAM shortage (reported). Examples: Framework Desktop 128 GB \$3,449 (30 September), GMKtec EVO-X2 \$3,499.99 (mid-September; it was listed at \$1,999.99 in August when sold out), Minisforum MS-S1 MAX 2 TB \$3,799, Beelink GTR9 Pro 2 TB \$4,349. Prices have been moving.

- Memory is soldered. The capacity you buy is the capacity you keep; choose 128 GB at purchase.
- Silicon is identical across vendors; choose on I/O, cooling, noise, warranty and stock.
- Confirm the vendor's power limit setting; a 55 W and a 120 W configuration perform differently.

FIELD NOTES

- Bandwidth, not capacity, is the ceiling: 256 GB/s theoretical is comparable to the DGX Spark's 273 GB/s, so large dense models decode slowly. Mixture-of-experts models suit it better than dense ones.
- The 256 GB/s figure is arithmetic from the interface (8000 MT/s on 256 bits), not an AMD-published specification; measured bandwidth is lower.
- It is not CUDA. Check your inference stack (llama.cpp with Vulkan or ROCm, vLLM) supports the Radeon 8060S on your OS before standardising.
- How much of the 128 GB the GPU may use depends on OS and driver settings; we did not verify the cap.
- Single-box only: there is no scale-out NIC in the chip, so networking depends on the mini PC's USB4 or add-in options.

QUESTIONS WE GET ON THIS PART

What is Strix Halo?

Strix Halo is the former codename for the Ryzen AI Max series. The Ryzen AI Max+ 395 is its top part: 16 Zen 5 cores, a 40-CU Radeon 8060S GPU and up to 128 GB of unified LPDDR5x.

How much does a 128 GB Ryzen AI Max+ 395 mini PC cost?

Reported prices in late September 2026 ran \$3,324 to \$4,349, roughly double the mid-2026 level because of the DRAM shortage. Check vendor pages.

What is the memory bandwidth?

256 GB/s theoretical, derived from LPDDR5x-8000 on a 256-bit interface. AMD's page lists the memory type and speed but not a bandwidth figure.

Strix Halo vs DGX Spark?

Both offer 128 GB of unified memory at similar bandwidth. The Spark has CUDA and ConnectX-7 networking; Strix Halo is x86, runs Windows and Linux, and has no CUDA.

REFERENCES

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