

WHO IT'S FOR



Tech enthusiasts and prosumers who demand powerhouse performance from their laptops



Professional creators who need a processor equipped to run their creative workflows fast & uninterrupted.



Gamers looking for the ultimate gaming experience combined with real portability in small form factors.

SELL IT IN 30 SECONDS

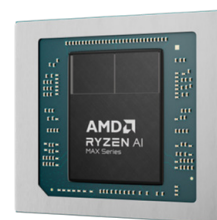
BREAKTHROUGH PERFORMANCE IN ULTRAMOBILE FORM FACTORS with leadership multi-threaded speeds and powerful "Zen 5" architecture at the core

WORLD'S FASTEST X86 INTEGRATED GRAPHICS¹, delivering unleashed performance for high resolution gameplay and serious content creation

AI POWERHOUSE CAN RUN LARGE LANGUAGE MODELS (LLM) FASTER THAN DESKTOP GRAPHICS² and with a fraction of the power (Ryzen AI Max 395+ vs Nvidia GeForce RTX 4090 desktop gpu)

UNLEASHED CREATIVE PERFORMANCE keeps your workflow smooth and fast whether editing high-res videos, rendering 3D models, or working with large images

 **Copilot+PC**



NEW HEIGHTS OF PERFORMANCE FOR CREATORS IN NEXT-GEN AI PCS^{3,4}

Blender

Ryzen AI Max 395+

25% faster vs M4 Pro 12C
302% faster vs Core Ultra 9 288V

Cinebench R24

Ryzen AI Max 395+

12% faster vs M4 Pro 12C
240% faster vs Core Ultra 9 288V

Corona

Ryzen AI Max 395+

39% faster vs M4 Pro 12C
259% faster vs Core Ultra 9 288V

V-Ray

Ryzen AI Max 395+

86% faster vs M4 Pro 12C
257% faster vs Core Ultra 9 288V

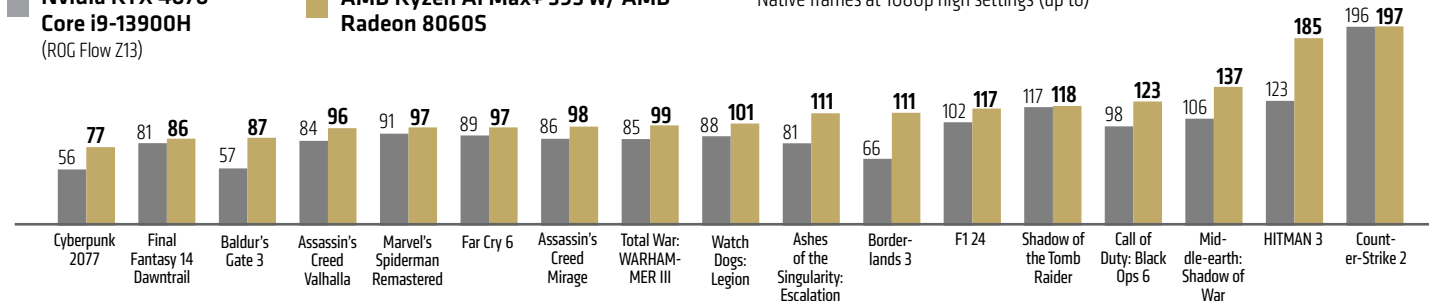
ULTRAMOBILE LAPTOP GAMING WITH DEDICATED-CLASS GRAPHICS, BUILT-IN⁵

Competes with an RTX 4070 at similar TDP and form factor

 **Nvidia RTX 4070**
Core i9-13900H
(ROG Flow Z13)

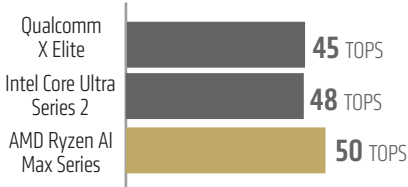
 **AMD Ryzen AI Max+ 395 w/ AMD**
Radeon 8060S

Native frames at 1080p high settings (up to)



AI POWERHOUSE

MOST TOPS⁶ FOR WINDOWS NEXT-GEN AI PCS (up to)



FASTEST X86 CONSUMER AI PC TO RUN LLAMA 70B LLM

up to
2.2X
tokens/sec delivered at ~1/6 TDP
Ryzen™ AI Max+ 395 processor vs
Nvidia GeForce RTX 4090^{2,7}



Copilot+PC

- Cocreator - Create your vision
- Live Captions - Real time subtitles
- Windows Studio Effects - Video effects
- Recall - Describe it to find it
- Click to (preview) - Simplify workflows

*free update to Copilot+ PC experiences when available on compatible laptops.
New features will become available to Windows Insider community, with a phased rollout to select devices and markets coming soon.

SPECIFICATIONS

Model	Cores /Threads	Boost Freq ⁸ (up to)	Base Freq	TDP	Total Cache	Architecture	Graphics Model	NPU ¹ (up to)
AMD Ryzen™ AI Max+ 395	16/32	5.1 GHz	3.0 GHz	45-120W	80MB	4nm “Zen 5”	AMD Radeon™ 8060S	50 TOPS
AMD Ryzen™ AI Max 390	12/24	5.0 GHz	3.2 GHz	45-120W	76MB	4nm “Zen 5”	AMD Radeon™ 8050S	50 TOPS
AMD Ryzen™ AI Max 385	8/16	5.0 GHz	3.6 GHz	45-120W	40MB	4nm “Zen 5”	AMD Radeon™ 8050S	50 TOPS

FOOTNOTES

- Testing as of Dec 2024 using the 3DMark scores compared to Intel Core Ultra 9 288V. Configuration for AMD Ryzen™ AI Max+ 395 processor: AMD reference board, Radeon™ 8060S graphics, 32GB RAM, 1TB SSD, VBS=ON, Windows 11. Configuration for Intel Core Ultra 9 288V: ASUS Zenbook X 14, Intel Arc Graphics, 32GB RAM, 1TB SSD, Microsoft Windows 11 Home. Laptop manufacturers manufactures may vary configurations yielding different results. SH0-09
- Testing as of Dec 2024 using Llama 70B 3.1 Nemotron Q4 K M quantization running through llama.cpp and LM Studio. Input prompt length 100 token prompt. System configuration for Ryzen AI Max+ 395: AMD reference board, 55W TDP, Radeon™ 8060S graphics, 128GB RAM, 1TB SSD, using Llama 3.1. Configuration for Nvidia RTX 4090: ASUS ProArt X670E-CREATOR WIFI motherboard, AMD Ryzen 9 7900X processor, 32GB system RAM, 40GB GPU memory, 1TB SSD, Windows 11. (<https://blogs.nvidia.com/blog/ai-decoded-lm-studio/>). Manufactures may vary configurations yielding different results. SH0-14
- Testing as of Dec 2024 using the following benchmark scores compared to an Intel Core Ultra 9 288V: Cinebench 2024 nT, Blender Classroom, Vray CPU, Corona. Configuration for AMD Ryzen™ AI Max+ 395 processor: AMD reference board, Radeon™ 8060S graphics, 32GB RAM, 1TB SSD, VBS=ON, Windows 11. Configuration for Intel Core Ultra 9 288V: ASUS Zenbook X 14, Intel Arc Graphics, 32GB RAM, 1TB SSD, Microsoft Windows 11 Home. Laptop manufacturers manufactures may vary configurations yielding different results. SH0-07
- Testing as of Dec 2024 using the following benchmarks compared to Apple M4 Pro (12 core and 14 core CPU models): Cinebench 2024 nT, Blender, Corona, Vray, Davinci Resolve, and Handbrake. Next Gen AI PC defined as a PC with a minimum 40 TOPS NPU. Configuration for AMD Ryzen™ AI Max+ 395 processor: AMD reference board, Radeon™ 8060S graphics, 32GB RAM, 1TB SSD, VBS=ON, Windows 11. SH0-12
- Testing as of Dec 2024 comparing 17 game title FPS scores at 1080p resolution and high settings to a system with Intel Core i9-13900H CPU and Nvidia RTX 4070 mobile GPU. Configuration for AMD Ryzen™ AI Max+ 395 processor: AMD reference board, Radeon™ 8060S graphics, 32GB RAM, 1TB SSD, Windows 11. Configuration for Intel Core i9-13900H: ASUS Rog Flow Z13, Nvidia RTX 4070 mobile graphics, 32GB RAM, 1TB SSD, Microsoft Windows 11 Home. Laptop manufacturers manufactures may vary configurations yielding different results. SH0-11
- Trillions of Operations per Second (TOPS) for an AMD Ryzen processor is the maximum number of operations per second that can be executed in an optimal scenario and may not be typical. TOPS may vary based on several factors, including the specific system configuration, AI model, and software version. GD-243
- Based on manufacturer provided specifications of AMD Strix Halo platform Thermal Design Power (TDP) (55W) compared to NVIDIA RTX 4090 Total Graphics Power (TGP) (450W) as of December 2024. SH0-16.
- Boost Clock Frequency is the maximum frequency achievable on the CPU running a bursty workload. Boost clock achievability, frequency, and sustainability will vary based on several factors, including but not limited to: thermal conditions and variation in applications and workloads. GD-150.
- Ryzen™ AI is defined as the combination of a dedicated AI engine, AMD Radeon™ graphics engine, and Ryzen processor cores that enable AI capabilities. OEM and ISV enablement is required, and certain AI features may not yet be optimized for Ryzen AI processors. Ryzen AI is compatible with: (a) AMD Ryzen 7040 and 8040 Series processors except Ryzen 5 7540U, Ryzen 5 8540U, Ryzen 3 7440U, and Ryzen 3 8440U processors; (b) AMD Ryzen AI 300 Series processors, and (c) all AMD Ryzen 8000G Series desktop processors except the Ryzen 5 8500G/GE and Ryzen 3 8300G/GE. Please check with your system manufacturer for feature availability prior to purchase. GD-220C.

