AMD RYZEN AI 300 Series

HOW TO SELL:

AMD RYZEN™ AI 300 SERIES PROCESSORS

UNLOCK TRANSFORMATIONAL EXPERIENCES WITH POWERFUL NEXT-GEN PROCESSING FOR WINDOWS 11 AI PCS

JUNE 2024

WHO IT'S FOR

Users who want to stay on the cutting-edge and be ready for the latest AI experiences in premium, ultrathin laptops

Power users and creators who need unleashed speed and built-in AI processing for new creative AI tools

Gamers who want a thin and light PC with powerful graphics, high frame rates, and AI processing for next-gen gaming features

SELL IT IN 30 SECONDS

THE 3RD GEN AMD RYZEN™ AI PROCESSOR brings up to 3X more AI performance vs last gen[4], to be ready for a world of emerging AI applications.

POWERFUL AMD RADEON™ 800M SERIES GRAPHICS to play demanding games at high frame rates with ultra-low latency

POWERFUL PROCESSING PERFORMANCE WITH ALL-NEW ARCHITECTURE to multitask, run demanding apps, and create with blazing speed in elite ultrathin laptops

POWER EFFICIENCY optimizations help deliver amazing battery life for total mobility

LEADERSHIP CPU, GPU, and NPU technology keep users on the cutting-edge

AMD Zen 5	AMD RDNA 3.5	AMD XDNA 2
NEW "Zen 5" Architecture	UPGRADED "RDNA 3.5" Graphics	NEW "XDNA 2" NPU

WORK, PLAY, AND CREATE FASTER THAN EVER[1]

AMD Ryzen™ AI 300 Series processors bring truly revolutionary performance, to let users work and play with ease.

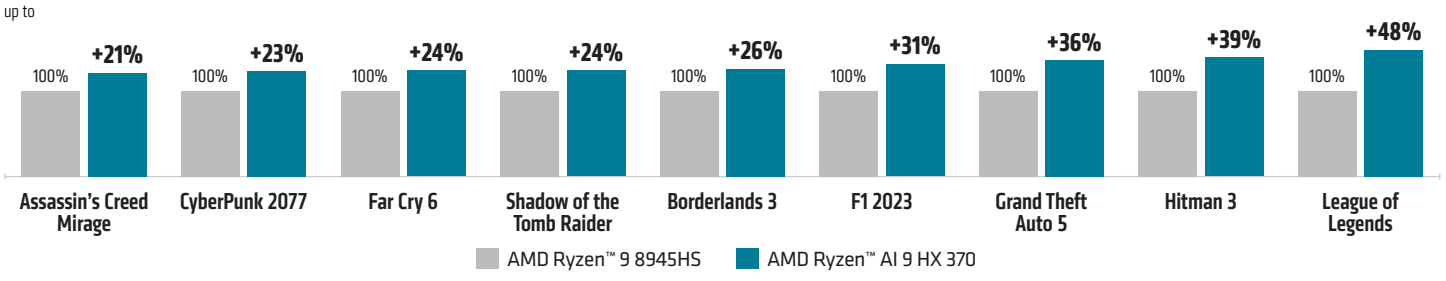
AMD Ryzen™ AI 9 HX 370 processor vs previous gen AMD Ryzen™ 9 8945HS:

up to **44% Faster Multitasking**
Cinebench R24 nT[5]

up to **38% Faster Graphics**
3DMark Time Spy

up to **67% Faster Content Creation**
Blender BMW

CONSOLE-CLASS GAMING WITH AMD RADEON™ 800M SERIES GRAPHICS[2]



AMD

NEXT-GEN AI PERFORMANCE WITH AMD RYZEN™ AI

AMD RYZEN AI

Be ready for the future with
3RD GEN AMD RYZEN™ AI

Up to **50 TOPS** AI engine	Up to **2X better power efficiency**[3] Using Stable Diffusion vs AMD Ryzen™ 9 8945HS	Up to **3X more AI performance**[4] vs previous gen AMD Ryzen™ 8040 Series	**WORLD'S FIRST NPU** to support Block fp16 functionality[5]

READY FOR MICROSOFT COPILOT+ EXPERIENCES*

AMD Ryzen™ AI 300 Series processors are ready to power the next generation of transformative AI experiences in Copilot+ PCs.

Copilot+PC

Recall
Describe it to find it with just a few words for context.

Live Captions & Real Time Translation
Translate more than 40 languages in English, including speakers in real-time video calls.

Cocreator
Combine your ink strokes with text prompts to generate new images in nearly real time.

**with free updates to Copilot+ PCs experiences when available*

SPECIFICATIONS

Model	Cores/ Threads	Max Boost Frequency[6] (up to)	Base Frequency	TDP	Total Cache	Architecture	Graphics Model	Graphics Compute Units	Max. Graphics Frequency	Ryzen™ AI NPU (up to)
AMD Ryzen™ AI 9 HX 370	12/24	5.1 GHz	2.0 GHz	15-54W	36MB	4nm "Zen 5"	AMD Radeon™ 890M	16	3000MHz	50 TOPS
AMD Ryzen™ AI 9 365	10/20	5.0 GHz	2.0 GHz	15-54W	34MB	4nm "Zen 5"	AMD Radeon™ 880M	12	2900MHz	50 TOPS

FOOTNOTES:

1. Testing as of May 2024 by AMD Performance Labs using the following benchmarks: Cinebench 2024 1T, Kracken, Puget Adobe Premiere Pro, Puget Adobe Photoshop, 3DMark Time Spy Graphics, Cinebench 2024 nT, Blender BMW (CPU). Configuration for AMD Ryzen™ AI 9 HX 370 processor: AMD reference board, Radeon™ 890M graphics, 32GB RAM, 1TB SSD, VBS=ON, Windows 11. Configuration for AMD Ryzen™ 9 8945HS processor: ASUS Vivobook S16, Radeon™ 780M graphics, 32GB RAM, 2TB SSD, VBS=ON, Windows 11. Laptop manufacturers manufactures may vary configurations yielding different results. STX-19
2. Testing as of May 2024 by AMD Performance Labs using the following game titles tested at 1080p low settings: Assassin's Creed Mirage, Borderlands 3, CyberPunk 2077, F1 2023, Far Cry 6, and Shadow of the Tomb Raider. Configuration for AMD Ryzen™ AI 9 HX 370 processor: AMD reference board, Radeon™ 890M graphics, 32GB RAM, 1TB SSD, VBS=ON, Windows 11. Configuration for AMD Ryzen™ 9 8945HS processor: ASUS Vivobook S16, Radeon™ 780M graphics, 32GB RAM, 2TB SSD, VBS=ON, Windows 11. Laptop manufacturers manufactures may vary configurations yielding different results. STX-18.
3. Based on performance and power estimates correlated to measurements on hardware platforms as of May 2024 comparing projected Stable Diffusion iterations per second per watt for Ryzen AI 300 series to a Ryzen 9 8945HS processor. Configuration for Ryzen AI 300 Series Processor: Reference platform, 32GB RAM, Radeon 890M graphics, Windows 11 Pro. Configuration for the Ryzen 8945HS processor is: Razer Blade 14, 32GB RAM, Radeon 780M graphics, Windows 11 Home. Specific projections are are subject to change when final products are released in market. STX-14.
4. Based on TOPS specification of AMD Ryzen™ AI 300 Series processors with 50 TOPS compared to an AMD Ryzen 8040 Series processors with 16 TOPS. STX-01.
5. As of May 2024, AMD has the first available NPU on a laptop PC processor (AMD Ryzen™ AI 300 Series processor) that supports Block FP16 functionality, where 'dedicated AI engine' is defined as an AI engine that has no function other than to process AI inference models and is part of the x86 processor die. STX-16.
6. 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.
7. 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.

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