AMD RYZEN AI 400 Series

HOW TO SELL

# AMD RYZEN™ AI 9 HX 470 SERIES PROCESSORS

LEADERSHIP PERFORMANCE TO POWER YOUR POTENTIAL

DEC 2025

## WHO IT'S FOR

**Content creators** who want to blaze through their creation workloads even on-the-go.

**Gamers** who want smooth gaming with high FPS in their favorite games.

**Tech enthusiasts** who want the best performance to power through their toughest tasks.

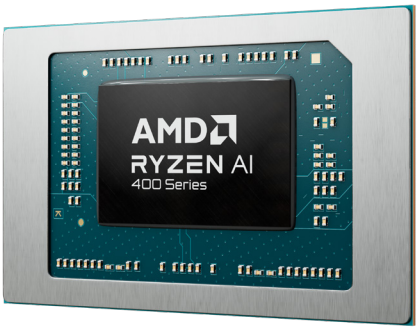
## SELL IT IN 30 SECONDS

**LEADERSHIP CPU PERFORMANCE** for responsive multitasking, running demanding apps, blazing fast content creation, and smooth gaming in thin & light laptops.

**POWERFUL GRAPHICS** with AMD Radeon™ 890M Series to play popular games at high FPS, with performance boosting technologies like AMD FSR™ and AFMF for AAA gaming experiences.

**THE WORLD'S MOST POWERFUL NPU**[1] for x86-based systems, with up to **60 NPU TOPS**[2], bringing leadership performance for next-gen AI and Copilot+ PC experiences.

**MULTI-DAY BATTERY LIFE**[3] with smart power management and efficient performance.




## DELIVERING THE BEST PC EXPERIENCE FOR THIN & LIGHT LAPTOPS

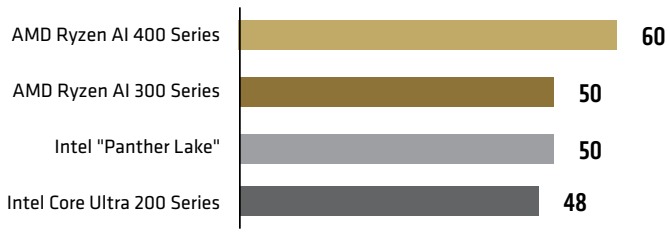
AMD Ryzen AI 9 HX 470 (28W)
vs.
Intel Core Ultra 9 288V (30W)

| 29% | 71% | 12% | 25% |
|---|---|---|---|
| Faster Multitasking[4] | Faster Content Creation[5] | Faster Gaming[6] | More NPU TOPS[*,1] |

## POWERING NEXT-GEN AI EXPERIENCES

**The world's most powerful NPU** for X86-based systems

NPU 8-bit TOPS (up to)
On Top Model of Each Series




**Save hours** in your day with Ryzen AI PCs

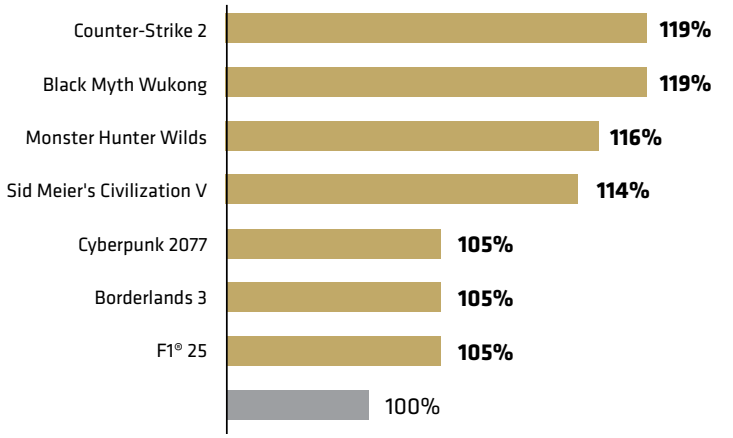
| 2.3x | 17x | 5.5x |
|---|---|---|
| Faster Document Writing[9] | Faster Image Creation[10] | Faster App Building[11] |

**50+ AI apps optimized** for Ryzen AI PCs

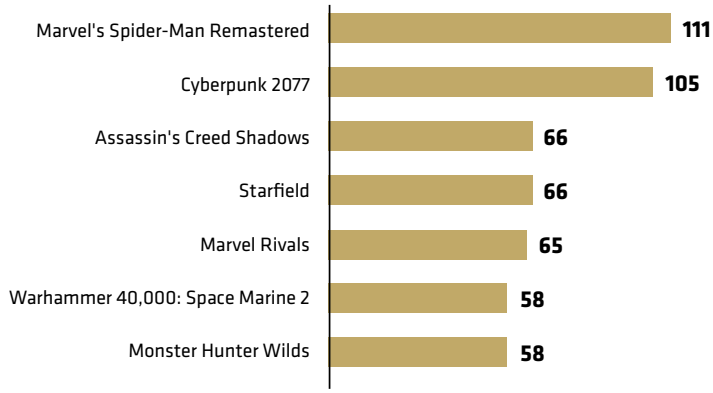
AMD
together we advance_

# LEADERSHIP GAMING PERFORMANCE WITH POWERFUL AMD RADEON™ GRAPHICS

On average **12% faster gaming**[6]




On average **100% more FPS**[8] with AMD FSR™ and Frame Gen




On average **73 FPS gaming**[8]

Avg FPS tested on integrated graphics at 1080p low settings

# MULTI-DAY BATTERY LIFE THAT LETS YOU PERFORM ON THE MOVE

Extended battery life with smart power management and performance efficiencies.

**20 Hours**
Video Playback[3]

**17 Hours**
Web Browsing[3]

16" laptop with AMD Ryzen AI 9 HX 470 processor

**70%**
Higher Unplugged Productivity[7]
Cinebench nT

vs. Intel Core Ultra 9 288V

# SPECIFICATIONS

| Badge | Processor Model | Cores / Threads | CPU Boost Frequency[12] (up to) | Base Frequency | cTDP | Total Cache (L2+L3) | Memory Speed Support (Up to) | Ryzen™ AI NPU (up to) | Graphics Model | Graphics Compute Units | GPU Boost Frequency[13] (up to) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AMD RYZEN AI 9 HX / AMD RADEON GRAPHICS | **AMD Ryzen™ AI 9 HX 475** | 12 /24 | 5.2 GHz | 2.0 GHz | 15-54 W | 36MB | 8533 MT/s | 60 TOPS | AMD Radeon™ 890M | 16 | 3.1 GHz |
| AMD RYZEN AI 9 HX / AMD RADEON GRAPHICS | **AMD Ryzen™ AI 9 HX 470** | | | | | | | 55 TOPS | | | |

*on AMD Ryzen™ AI 9 HX 475 processors.

1. Based on AMD product specifications and competitive product information available as of December 2025. AMD Ryzen™ AI 400 Series processors' NPU offer up to 60 peak TOPS. GPT-6.
2. 2 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.
3. Testing done as of November 2025 by AMD to measure battery life in video playback and web browsing. Configuration for AMD Ryzen AI 9 HX 470 processor: ASUS Zenbook S16, Radeon™ 890M integrated graphics, 32GB 8533MHz memory. Configuration for AMD Ryzen AI 7 450 processor: ASUS Zenbook S14, Radeon™ 860M integrated graphics, 32GB 8533MHz memory. Configuration for AMD Ryzen AI 7 445 processor: ASUS Zenbook S14, Radeon™ 840M integrated graphics, 16GB 8000MHz memory. All testing done using graphics driver 25.20.32-251114n and running Windows 11 Pro in "Power Efficiency" power mode. System manufacturers may vary configurations, yielding different results. GPT-5.
4. Testing done as of December 2025 by AMD to measure multitasking performance by running Procyon Office Suite with Microsoft Teams on "Best Performance" power mode. Configuration for AMD Ryzen™ AI 9 HX 470 processor: ASUS Zenbook S16, Radeon™ 890M integrated graphics, Graphics Driver 25.20.32-251114n, 32GB LPDDR5x-8533 memory, Windows 11 Pro. Configuration for Intel Core Ultra 9 288V processor: HP OmniBook Ultra Flip, Arc 140V integrated graphics, Graphics driver 32.0.101.7026, 32GB LPDDR5x-8533 memory, Windows 11 Home. System manufacturers may vary configurations, yielding different results. GPT-11.
5. Testing done as of December 2025 by AMD to measure content creation performance in the following applications and benchmarks on "Best Performance" power mode: Blender, Cinebench nT, Handbrake, PugetBench for Photoshop, PugetBench for DaVinci Resolve Studio, 7zip. Configuration for AMD Ryzen™ AI 9 HX 470 processor: ASUS Zenbook S16, Radeon™ 890M integrated graphics, Graphics Driver 25.20.32-251114n, 32GB LPDDR5x-8533 memory, Windows 11 Pro. Configuration for Intel Core Ultra 9 288V processor: HP OmniBook Ultra Flip, Arc 140V integrated graphics, Graphics driver 32.0.101.7026, 32GB LPDDR5x-8533 memory, Windows 11 Home. System manufacturers may vary configurations, yielding different results. GPT-10.
6. Testing done as of December 2025 by AMD to measure gaming performance in the following games at 1080p low settings on "Best Performance" power mode: Black Myth Wukong, Borderlands 3, Counter-Strike 2, Cyberpunk 2077, F1 25, Monster Hunter Wilds, Sid Meier's Civilization V. Configuration for AMD Ryzen™ AI 9 HX 470 processor: ASUS Zenbook S16, Radeon™ 890M integrated graphics, Graphics Driver 25.20.32-251114n, 32GB LPDDR5x-8533 memory, Windows 11 Pro. Configuration for Intel Core Ultra 9 288V processor: HP OmniBook Ultra Flip, Arc 140V integrated graphics, Graphics driver 32.0.101.7026, 32GB LPDDR5x-8533 memory, Windows 11 Home. System manufacturers may vary configurations, yielding different results. GPT-12.
7. Testing done as of November 2025 by AMD to measure Cinebench 2024 nT performance while unplugged on Balanced power mode. Configuration for AMD Ryzen AI 9 HX 470 processor: ASUS Zenbook S16, Radeon™ 890M integrated graphics (driver 25.20.32-251114n), 32GB 8533MHz memory, Windows 11 Pro. Configuration for Intel Core Ultra 9 288V processor: HP OmniBook Ultra Flip, Arc 140V integrated graphics (driver 32.0.101.8136), 32GB 8533MHz memory, Windows 11 Home. System manufacturers may vary configurations, yielding different results. GPT-9.
8. Testing done as of November 2025 by AMD to measure gaming performance in the following games at 1080p low settings with AMD FSR "Quality" mode and frame generation turned on and off: Assassin's Creed Shadows, Cyberpunk 2077, Marvel Rivals, Marvel's Spider-Man Remastered, Monster Hunter Wilds, Starfield, Warhammer 40,000: Space Marine 2. Configuration for AMD Ryzen™ AI 9 HX 470 processor (28W): AMD reference board, Radeon™ 890M integrated graphics, Graphics Driver 25.20.24-251007a, 32GB LPDDR5x-8533 memory, Windows 11 Home, Balanced power mode. System manufacturers may vary configurations, yielding different results. GPT-13.
9. Based on the Signal65 whitepaper entitled "Measuring Modern AI PCs: Accelerating the Modern Office Worker" (https://signal65.com/research/measuring-modern-ai-pcs-accelerating-the-modern-office-worker/). Testing by Signal65 (3rd party) was done as of September 2025 by measuring drafting and reviewing a document with and without the assistance of a corresponding AI application (LM Studio) and was done on a Lenovo ThinkPad T14s Gen 6 with an AMD Ryzen™ AI 7 PRO 360 processor @22W, Radeon™ 880M graphics, 32GB RAM, 1TB SSD, VBS=ON, Windows 11 Pro. An "AI-enabled PC" is defined as a PC that can run AI applications and has at least 40 TOPS. System manufactures may vary configurations yielding different results. DITL-12.
10. Based on the Principled Technologies whitepaper entitled "AMD Ryzen AI tech expert performance" (https://www.principledtechnologies.com/AMD/Ryzen-AI-tech-expert-performance-1025.pdf). Testing by Principled Technologies (3rd party) was done as of September 2025 by measuring building a predefined application with and without the assistance of a corresponding AI application (VS Code LLM hosted by Lemonade Server) and was done on an HP Elitebook X G1a 14 AI with an AMD Ryzen™ AI 9 HX PRO 375 processor, Radeon™ 890M graphics, 32GB RAM, 1TB SSD, VBS=ON, Windows 11 Pro. An "AI-enabled PC" is defined as a PC that can run AI applications and has at least 40 TOPS. System manufactures may vary configurations yielding different results. DITL-13.
11. Testing by HotTech (3rd party) was done as of Oct 2025 2025 by measuring image creation for a social post with and without the assistance of a corresponding AI application (Cyberlink Promeo) and was done on an on a current gen AI PC: Asus Vivobook S 16 with an AMD Ryzen AI 9 HX 370 processor, out of the box settings, Radeon™ 890M integrated graphics (driver Adrenaline 25.10.1) - 16GB (16GB System), 32GB LPDDR5X-7500MHz RAM, 1TB PCIe Gen 4 SSD, 50 TOPS NPU, Windows 11 Home 24H2, Balanced Mode Power Plan, and a Non-AI PC: Lenovo Yoga Slim 7 ProX with an AMD Ryzen 7 6800HS processor, AMD Radeon 680M integrated graphics (driver Adrenaline 25.10.1) - 4GB (12 GB system), 16GB LPDDR5-6400MHz RAM, 500GB SSD, Windows 11 Home 24H2, Balanced Mode Power Plan, Intelligent Cooling (default). An "AI-enabled PC" is defined as a PC that can run AI applications and has at least 40 TOPS. System manufactures may vary configurations yielding different results. DITL-14.
12. 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.
13. Boost Clock Frequency is the maximum frequency achievable on the Radeon GPU 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-151.