AMD RYZEN™ AI 300 SERIES PROCESSORS

VS

INTEL CORE ULTRA 200H PROCESSORS

HOW WE WIN OVERVIEW

AMD Ryzen™ AI 300 Series processors deliver a no compromise next-gen AI PC solution, bringing leadership performance[1,3], long-lasting battery life, and immersive gaming to a broad portfolio of Copilot+ PCs.

LEADERSHIP PERFORMANCE
Tackle to-dos with faster performance across productivity, content creation, & multitasking benchmarks[1,2,3,4]

DOMINANT GAMING
Dive into immersive entertainment experiences with faster, smoother gaming performance[5]

BETTER REAL-WORLD PERFORMANCE
Run multiple apps with ease with faster performance in real-world multitasking scenarios[2,4]

LEADERSHIP AI
Access the latest AI experiences with industry-leading AI engine, up to 50+ TOPS NPU[6,7]

FASTER EVERYDAY PERFORMANCE

AMD Ryzen™ AI 9 HX 370
vs Core Ultra 9 285H[3,4] up to

🌐	**12%**	faster web browsing (Kraken)
💻	**6%**	faster productivity (Procyon Office)
⬛	**22%**	faster 3D rendering (Blender)
🖼	**22%**	faster image editing (Puget Photoshop)
⏩	**18%**	faster video encoding (Handbrake)

AMD Ryzen™ AI 7 350
vs Core Ultra 7 255H[1] up to

🌐	**2%**	faster web browsing (Kraken)
💻	**11%**	faster productivity (Procyon Office)
⬛	**21%**	faster 3D rendering (Blender)
🖼	**25%**	faster image editing (Puget Photoshop)
⏩	**24%**	faster video encoding (Handbrake)

FASTER REAL-WORLD MULTITASKING

While multitasking a video call plus Office apps:

UP TO
70% Faster

AMD Ryzen™ AI 9 HX 370
vs Core Ultra 9 285H[4]

UP TO
67% Faster

AMD Ryzen™ AI 7 350
vs Core Ultra 7 255H[2]

LEADERSHIP AI

NEXT-GEN AI READY WITH AMD RYZEN™ AI[8]

AMD RYZEN AI | Copilot+PC

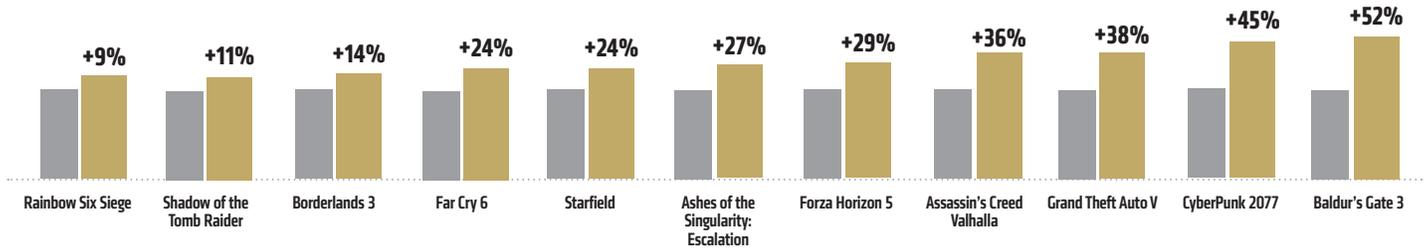|	Intel Core Ultra 200H	AMD Ryzen™ AI 300 Series
NPU TOPS[7]	13 TOPS	**up to 50+ TOPS**
Performance	Entry AI	**Advanced AI experiences**
Copilot+ PC	No	**Yes**

AMD

FASTER, SMOOTHER GAMING

On average **17% faster gaming** across 27 game titles[5]

(FPS tested at 1080P low settings, integrated graphics, up to)

■ AMD Ryzen™ AI 9 HX 370
■ Intel Core Ultra 9 285H

Game	Improvement
Rainbow Six Siege	+9%
Shadow of the Tomb Raider	+11%
Borderlands 3	+14%
Far Cry 6	+24%
Starfield	+24%
Ashes of the Singularity: Escalation	+27%
Forza Horizon 5	+29%
Assassin's Creed Valhalla	+36%
Grand Theft Auto V	+38%
CyberPunk 2077	+45%
Baldur's Gate 3	+52%

SPECIFICATIONS

Model	Graphics	Cores/Threads	Cache	Boost Freq[9] (up to)	TDP	NPU TOPS
AMD Ryzen™ AI 9 HX 370	AMD Radeon™ 890M	12C / 24T	36 MB	5.1 GHz	15-54W	50 TOPS
AMD Ryzen™ AI 7 350	AMD Radeon™ 860M	8C / 16T	24 MB	5.0 GHz	15-54W	50 TOPS
Intel Core Ultra 9 285H	Intel Arc 140T	16C / 16T	24MB	5.4 GHz	35-115W	13 TOPS
Intel Core Ultra 7 255H	Intel Arc 140T	16C / 16T	24MB	5.1 GHz	20-115W	13 TOPS

FOOTNOTES:

1. Testing as of April 2025 by AMD using the following benchmarks: 7Zip, Handbrake, Phoronix, Puget Photoshop, Blender 4.3 Classroom, Blender 4.3 Monster, Cinebench 24, Procyon Office Suite, Procyon Video Editing, Kraken. Laptop configurations: ASUS Vivobook, AMD Ryzen AI 7 350, 24GB RAM, 1TB SSD, Win 11 26100, VBS ON, Balanced Mode; ASUS Zenbook Duo, Intel Core Ultra 7 255H, 32GB RAM, 1TB SSD, Win 11 26100, VBS ON, Balanced Mode. Laptop manufactures may vary configurations yielding different results. KRK-38.

2. Testing as of April 2025 by AMD using Procyon Office Suite + Microsoft Teams with background effects. Laptop configurations: ASUS Vivobook, AMD Ryzen AI 7 350, 24GB RAM, 1TB SSD, Win 11 26100, VBS ON, Balanced Mode; ASUS Zenbook Duo, Intel Core Ultra 7 255H, 32GB RAM, 1TB SSD, Win 11 26100, VBS ON, Balanced Mode. Laptop manufactures may vary configurations yielding different results. KRK-40.

3. Testing as of Feb 2025 by AMD using 7Zip, Handbrake, Phoronix, PugetBench Adobe Photoshop, Blender 4.3 Classroom, Blender 4.3 Monster, Cinebench 24nT, Geekbench 6.3, Passmark 11, Procyon Video Editing, Kraken. Configurations: ASUS Zenbook 14, Intel Core Ultra 9 285H (45W), Intel Arc 140T graphics, 32GB 7467MHz, 1TB SSD, Win 11 26100; ASUS Vivobook S15, AMD Ryzen™ AI 9 HX 370 (28W), AMD Radeon 890M graphics, 32GB 7500MHz, 1TB SSD, Win 11 26100. Both tested in Balanced mode with VBS enabled. Laptop manufactures may vary configurations yielding different results. STX-125.

4. Testing as of Feb 2025 by AMD using Procyon Office Suite + Microsoft Teams. Configurations: ASUS Zenbook 14, Intel Core Ultra 9 285H (45W), Intel Arc 140T graphics, 32GB 7467MHz, 1TB SSD, Win 11 26100; ASUS Vivobook S15, AMD Ryzen™ AI 9 HX 370 (28W), AMD Radeon 890M graphics, 32GB 7500MHz, 1TB SSD, Win 11 26100. Both tested in Balanced mode with VBS enabled. Laptop manufactures may vary configurations yielding different results. STX-128.

5. Testing by AMD as of Feb 2025 using the following games tested at 1080p low settings: Ashes of the Singularity, Assassin's Creed Valhalla, Avatar: Frontiers of Pandora, Baldur's Gate 3, Borderlands 3, CyberPunk 2077, F1 24, Far Cry 6, Forza Horizon 5, Grand Theft Auto V, HITMA 3, League of Legends, Marvel's Spider-Man Remastered, Metro Exodus, Middle-Earth: Shadow of War, Red Dead Redemption 2, Shadow of the Tomb Raider, Starfield, The Callisto Protocol, The Riftbreaker, Tiny Tina's Wonderlands, Tom Clancy's Rainbow Six Siege, Warhammer 40,000 Dawn of War III, Warhammer 40,000: Space Marine 2, Watch Dogs: Legion, Wolfenstein: Youngblood, World of Tanks Encore. Configurations: ASUS Zenbook 14, Intel Core Ultra 9 285H (45W), Intel Arc 140T graphics, 32GB 7467MHz, 1TB SSD, Win 11 26100; ASUS Vivobook S15, AMD Ryzen™ AI 9 HX 370 (28W), AMD Radeon 890M graphics, 32GB 7500MHz, 1TB SSD, Win 11 26100. Both tested in Balanced mode with VBS enabled. Laptop manufactures may vary configurations yielding different results. STX-126.

6. Based on AMD product specifications and competitive products announced as of October 2024. AMD Ryzen™ AI 300 Series processors' NPU offer up to 50+ peak TOPS. AI PC is defined as a laptop PC with a processor that includes a neural processing unit (NPU). STX-04a.

7. 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.

8. 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 and Ryzen PRO 7040/8040 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 AMD Ryzen AI PRO 300 Series processors; (c) all AMD Ryzen 8000G Series desktop processors except the Ryzen 5 8500G/GE and Ryzen 3 8300G/GE; (d) AMD Ryzen 200 Series processors and Ryzen PRO 200 Series processors except Ryzen 5 220 and Ryzen 3 210; and (e) AMD Ryzen AI Max Series processors and Ryzen AI PRO Max Series processors. Please check with your system manufacturer for feature availability prior to purchase. GD-220e.

9. GD-150 Max boost for AMD Ryzen processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to: thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates

AMD