AMD AMD RYZEN™ AI 5 340 **RYZEN** Al 300 Series PROCESSOR



INTEL CORE ULTRA 5 226V QUALCOMM SNAPDRAGON X1P-42-100

OVERVIEW

LEADERSHIP MULTI-THREADED PERFORMANCE

 Experience the speed and responsiveness of best-in-class multithreaded perofrmance¹

FASTER PRODUCTIVITY AND CONTENT CREATION

• Do more in less time, with leadership performance in realworld productivity, multitasking, and content creation^{2,3,4,5}

INDUSTRY LEADING AI ENGINE

· Be ready for the future of AI applications with industry-leading Al engine up to 50 TOPS^{6,7}

ONLY COPILOT+ GAMING LAPTOPS

 Only AMD offers Copilot+ platforms with dedicated graphics to deliver the best of both AI and gaming experiences

LEADERSHIP COMPATIBILITY

 AMD offers seamless compatibility and reliability across Windows ecosystem; Qualcomm may face compatibility issues or latency with emulation

LEADERSHIP MULTI-THREADED PERFORMANCE¹

Multi-threaded performance is reflective of real-world PC usage and translates to meaningful productivity gains

vs Intel: un to

> % Faster Cinebench R24 nT¹

vs Qualcomm:



ENHANCE YOUR CREATIVE WORKFLOWS^{2,4}

vs Intel:



22% Faster video encoding (Handbrake)





on average



19% Faster video encoding (Handbrake)

15% Faster 3D Modeling (Blender)

creation across 5 apps⁴

2x Faster Photo Editing (PCMark 10)

POWER THROUGH YOUR PRODUCTIVITY^{3,5}

vs Intel:



18% Faster at Office (Procyon Office)

13% Faster Web Browsing (Kraken)

35% Faster File Compression (7-Zip)

vs Qualcomm:

on average productivity across 7 apps⁵





39% Faster Web Browsing (Kraken)

20% Faster File Compression (7-Zip)





MASTERFUL MULTITASKING^{8,9}

While multitasking a Microsoft Teams call plus Office apps :



BATTERY LIFE THAT LASTS¹⁰

AMD delivers advanced power efficiency for battery life that carries you through the day.



14.6 hours web browsing

8.9 hours Microsoft Teams Call vs Oualcomm⁹: **19% Faster**

AMD RYZEN™ AI FOR NEXT-GEN EXPERIENCES

hours

14" laptop with AMD Ryzen Al 5 340

video playback

MOST POWERFUL AI ENGINE FOR NEXT-GEN AI PCS

Explore the latest AI applications and experiences with powerful AI performance.

CONTENT EDITING

Streamline creative workflows, with up to 81% faster Al image editing (vs Core Ultra 5 226V, Photoshop)¹¹

What Can AMD Ryzen[™] AI Do for You?

GAMING

Transform your gaming

sessions into shareable

running on AMD Ryzen Al

content with Powder

PRODUCTIVITY

Use local AI to prompt ideas and boost productivity, with up to 27% faster LLM performance (vs Core Ultra 5 226V, LMStudio)11

vs Intel⁸:

41% Faster

SECURITY

Detect deepfakes with smart AI detection running on McAfee and AMD Ryzen AI.

SPECIFICATIONS

CPU Model	Graphics	Cores/Threads	Cache	Boost Freq ¹² (up to)	Process Node	NPU TOPS (up to)
AMD Ryzen [™] AI 5 340	Radeon [™] 840M	6/12	24 MB	5.0 GHz	"Zen 5" 4nm	50 TOPS
Intel Core Ultra 5 226V	Intel Arc Graphics	8/8	12MB	4.5 GHz	3nm	40 TOPS
Qualcomm Snapdragon X Plus X1P-42-100	Adreno graphics	8/8	30MB	3.4 GHz	4nm	45 TOPS

FOOTNOTES

- Testing as of Nov 2024 by AMD using Cinebench R24 nT. Tested in Balanced Mode with VBS ON. AMD Ryzen AI 5 340: AMD reference board, 28W TDP; AMD Radeon 840M graphics, 32GB RAM, 17B SSD, Win 11 26100. Intel Core Ultra 5 226V (17W): ASUS Vivobook 5 14, Intel Arc 130V GPU, 16GB RAM, 512GB SSD, Win 11 26100. Qualcomm X Plus XIP42100 ASUS Vivobook 5 15, Adreno GPU, 16GB RAM, 512GB SSD, Win 11 26100. The term "class" is defined as the term "class" is defined as Copilot + PC laptops with similar TDP and price points. Laptop manufacturers may vary configurations yielding different results. KRK-27.
- Testing as of Nov 2024 by AMD using the following benchmarks tested in Balanced mode with VBS DN: Handbrake, Puget Photoshop, Phoronix Test Suite, Blender Classroom, Procyon Video Editing, Tested in Balanced Mode with VBS ON. AMD Ryzen AI 5 340: AMD reference board, 28W TDP, AMD Radeon 840M graphics, 32GB RAM, 1TB SSD, Win 11 26100. Intel Core Ultra 5 226V: ASUS Vivobook 5 14, Intel Arc 130V GPU, 16GB RAM, 512GB SSD, Win 11 26100. Laptop manufactures may vary configurations yielding different results. KRK-8 Testing as of Nov 2024 by AMD using the following benchmarks: 7Zip, Procyon Office suite, Kraken. Tested in Balanced Mode with VBS ON. AMD Ryzen AI 5 340: AMD reference board, 28W TDP, AMD Radeon 840M graphics, 32GB RAM, 1TB SSD, Win 11 26100. Intel Core Ultra 5 226V: ASUS Vivobook 5 14, Intel Arc 130V GPU, 16GB RAM, 512GB SSD, Win 11 26100. Laptop manufactures may vary configurations yielding different results. KRK-8 Testing as of Nov 2024 by AMD using the following benchmarks: 7Zip, Procyon Office suite, Kraken. Tested in Balanced Mode with VBS ON. AMD Ryzen AI 5 340: AMD reference board, 28W TDP, AMD Radeon 840M graphics, 32GB RAM, 1TB SSD, Win 11 26100. Laptop manufactures may vary configurations yielding different results. KRK-9 Testing as of Nov 2024 by AMD using the following benchmarks tested in Balanced mode with VBS ON: Handbrake, Blender 4.3, PCMark 10 suite (OCC, Photo, and Video). AMD Ryzen AI 5 340: AMD reference board, 28W TDP, AMD Radeon 840M graphics, 32GB RAM, 1TB SSD, Win 11 26100. Laptop manufactures may vary configurations yielding different results. KRK-9 Testing as of Nov 2024 by AMD using the following benchmarks tested in Balanced mode with VBS ON: Handbrake, Blender 4.3, PCMark 10 suite (OCC, Photo, and Video). AMD Ryzen AI 5 340: AMD reference board, 28W TDP, AMD Radeon 840M graphics, 32GB RAM, 1TB SSD, Win 11 26100. Laptop manufactures may vary configurations yielding different results. KRK-9 Testing as of Nov 2024 by AMD using the following benchmarks tested in Balanced mode with

Testing as of Nov 2024 by AMD Ryzen Nie State St

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- 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. CD-243.
- Tradie, and software version. 02:423. Testing as of Nov 2026 by AMD using Procyon Office, Excel, Outlook, PowerPoint, and Word benchmarks while running a 10 person Microsoft Teams call with background blur enabled. AMD Ryzen AI 5 340: AMD reference board, 28W TDP, AMD Radeon 840M graphics, 32GB RAM, 1TB SSD, Win 11 26100. Qualcomm X Plus XIP42100 ASUS Wixbook 5 15, Adreno CPU, 16GB RAM, 512GB SSD, Win 12 15100. Laptop manufactures may vary configurations yielding different results. KRK-28. Testing as of Nov 2024 by AMD using the following benchmarks: Procyon Office suite. Tested in Balanced Mode with VBS ON. AMD Ryzen AI 5 340: AMD reference board, 28W TDP, AMD Radeon 840M graphics, 32GB RAM, 1TB SSD, Win 11 26100. Intel Core Ultra 5 226V: ASUS Vivobok 5 14, Intel Arc 180V CPU, 16GB RAM, 15GB SSD, Win 11 26100. Laptop manufactures may vary configurations yielding different results. KRK-10 8.
- 9.
- Viobook 514, Intel Arc 130V CPU, 16GB RAM, 512GB S50, Win 112 Elioo. Laptop manufactures may vary configurations yielding different results. KRK-10 10. Testing as of February 2025 by AMD using the following battery life tests run in Power Efficiency Mode: Video Playback abatery life tests run in Power Efficiency Mode: Video Playback abatery life tests run in Power Efficiency Mode: Video Playback abatery life tests run in Power Efficiency Mode: Video Playback abatery life tests run in Power Efficiency Mode: Video Playback abatery life tests run in Power Efficiency Mode: Video Playback abatery life tests run in Power Efficiency Mode: Video Playback abatery life tests run in Power Efficiency Playback abatery life tests run in Power Efficiency Video Video Playback abatery life tests run in Power Efficiency Playback abatery life test run in Structures run y vary configurations vielding different results. KRK-34. 11. Testing as for Nov 2024 by AMD using LMStruic Llama vol.35, and Adobe Photoshop. Testet in Balanced Mode with VBS DN. AMD Ryzen AI 5 340 (15W): AMD reference board, AMD Radeon 840M graphics, 32GB RAM, 112 ES100. Laptop manufacturers may vary configurations yielding different results. KRK-34. 12. Max boost for AMD Ryzen processons is the maximum frequency activeable 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 GD-150. (20205 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, Radeon, Ryzen, and combinations thereof are trademarks of Avanced Micro Devices, Inc. Microsoft and Windows are registered trademarks of Microsoft Comporation in the US and/or other countrise. Levit an AMD there have readed workload and work work work work and windows are registered trademarks of Microsoft teatures. No technology or product can be completely secure. Feb 2025 PID 253184

