AMD RYZEN™ AI 7 350 PROCESSOR

AMD RYZEN AI 300 Series

VS

INTEL CORE ULTRA 7 258V
QUALCOMM SNAPDRAGON X1P-64-100

OVERVIEW

LEADERSHIP MULTI-THREADED PERFORMANCE
- Experience the speed and responsiveness of best-in-class multithreaded perofrmance[1]

FASTER PRODUCTIVITY AND CONTENT CREATION
- Do more in less time, with leadership performance in real-world productivity, multitasking, and content creation[2,3,4,5]

INDUSTRY LEADING AI ENGINE
- Be ready for the future of AI applications with industry-leading AI engine up to 50 TOPS[6,7]

ONLY COPILOT+ GAMING LAPTOPS
- Only AMD offers Copilot+ platforms with the power of AI plus powerful dedicated graphics to deliver the best of both

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

LEADERSHIP MULTI-THREADED PERFORMANCE[1]

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

vs Intel:
up to
35% Faster
Cinebench R24 nT

vs Qualcomm:
up to
12% Faster
Cinebench R24 nT

ENHANCE YOUR CREATIVE WORKFLOWS[3,5]

vs Intel:
on average
41% Faster
creation across 5 apps[3]

- up to **45%** Faster video encoding (Handbrake)
- up to **56%** Faster 3D Modeling (Blender)
- up to **27%** Faster Photo Editing (Photoshop)

vs Qualcomm:
on average
36% Faster
creation across 5 apps[5]

- up to **42%** Faster video encoding (Handbrake)
- up to **12%** Faster 3D Modeling (Blender)
- up to **67%** Faster Photo Editing (PCMark 10)

POWER THROUGH YOUR PRODUCTIVITY[2,4]

vs Intel:
on average
19% Faster
productivity across 7 apps[2]

- up to **9%** Faster at Office (Procyon Office)
- up to **12%** Faster Web Browsing (Kraken)
- up to **54%** Faster File Compression (7-Zip)

vs Qualcomm:
on average
27% Faster
productivity across 7 apps[4]

- up to **24%** Faster at Office (Procyon Office)
- up to **43%** Faster Web Browsing (Kraken)
- up to **29%** Faster File Compression (7-Zip)

AMD

MASTERFUL MULTITASKING[8,9]

While multitasking a Microsoft Teams call plus Office apps :

vs Intel[8]:
up to
23% Faster

vs Qualcomm[9]:
up to
21% Faster

BATTERY LIFE THAT LASTS[10]

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

up to
20.6 hours
video playback

up to
13.6 hours
web browsing

up to
10.1 hours
Microsoft Teams Call

14" laptop with AMD Ryzen AI 7 350

AMD RYZEN™ AI FOR NEXT-GEN EXPERIENCES

MOST POWERFUL AI ENGINE FOR NEXT-GEN AI PCS

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

What Can AMD Ryzen™ AI Do for You?

CONTENT EDITING
Streamline creative workflows, with up to **31% faster** AI image editing
(vs Core Ultra 7 258V, Photoshop)[11]

PRODUCTIVITY
Use local AI to prompt ideas and boost productivity, with up to **35% faster** LLM performance
(vs Core Ultra 7 258V, LMStudio)[11]

GAMING
Transform your gaming sessions into shareable content with Powder running on AMD Ryzen AI

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

SPECIFICATIONS

CPU Model	Graphics	Cores/Threads	Cache	Boost Freq[10] (up to)	Process Node	NPU TOPS (up to)
AMD Ryzen™ AI 7 350	Radeon™ 860M	8/16	24 MB	5.0 GHz	"Zen 5" 4nm	50 TOPS
Intel Core Ultra 7 258V	Intel Arc Graphics	8/8	12MB	4.8 GHz	3nm	47 TOPS
Qualcomm Snapdragon X Plus X1P-64-100	Adreno graphics	10/10	42MB	3.4 GHz	4nm	45 TOPS

FOOTNOTES:

1. Testing as of January 2025 by AMD using Cinebench R24 nT. Tested in Balanced Mode with VBS ON. AMD Ryzen AI 7 350: ASUS Vivobook S14, 28W TDP, AMD Radeon 860M graphics, 24GB RAM, 1TB SSD, Win 11 26100. Qualcomm X Plus X1P64100: Dell Inspiron 14 Plus, Adreno GPU, 16GB RAM, 512GB SSD, Win 11 26100. Intel Core Ultra 7 258V (17W): ASUS Vivobook S 14, Intel Arc 140V GPU, 32GB RAM, 1TB SSD, Win 11 26100. The term "class" is defined as Copilot+ PC laptops with similar TDP and price points. Laptop manufacturers may vary configurations yielding different results. KRK-25.

2. Testing as of Jan 2025 by AMD using the following benchmarks: 7Zip, PCMark 10 suite, Procyon Office suite, Kraken. Tested in Balanced Mode with VBS ON. AMD Ryzen AI 7 350 (28W): ASUS Vivobook S 14, AMD Radeon 860M graphics, 24GB RAM, 1TB SSD, Win 11 26100. Intel Core Ultra 7 258V (17W): ASUS Vivobook S 14, Intel Arc 140V GPU, 32GB RAM, 1TB SSD, Win 11 26100. Laptop manufacturers may vary configurations yielding different results. KRK-19.

3. Testing as of Jan 2025 by AMD using the following benchmarks tested in Balanced mode with VBS ON: Cinebench R24, Handbrake, PCMark 10, Puget Premiere Pro, Puget Photoshop, Blender Classroom, Vray. Tested in Balanced Mode with VBS ON. AMD Ryzen AI 7 350 (28W): ASUS Vivobook S 14, AMD Radeon 860M graphics, 24GB RAM, 1TB SSD, Win 11 26100. Intel Core Ultra 7 258V (17W): ASUS Vivobook S 14, Intel Arc 140V GPU, 32GB RAM, 1TB SSD, Win 11 26100. Laptop manufacturers may vary configurations yielding different results. KRK-20.

4. Testing as of Dec 2024 by AMD using the following benchmarks tested in Balanced mode with VBS ON: 7-Zip, Procyon Office suite (Outlook, PowerPoint, and Word), Kraken 1.1. AMD Ryzen AI 7 350: ASUS Vivobook S14, 28W TDP, AMD Radeon 860M graphics, 24GB RAM, 1TB SSD, Win 11 26100. Qualcomm X Plus X1P64100: Dell Inspiron 14 Plus, Adreno GPU, 16GB RAM, 512GB SSD, Win 11 26100. Laptop manufacturers may vary configurations yielding different results. KRK-21.

5. Testing as of Dec 2024 by AMD using the following benchmarks tested in Balanced mode with VBS ON: Handbrake, Blender 4.3, PCMark 10 suite (DCC, Photo, and Video). AMD Ryzen AI 7 350: ASUS Vivobook S14, 28W TDP, AMD Radeon 860M graphics, 24GB RAM, 1TB SSD, Win 11 26100. Qualcomm X Plus X1P64100: Dell Inspiron 14 Plus, Adreno GPU, 16GB RAM, 512GB SSD, Win 11 26100. Laptop manufacturers may vary configurations yielding different results. KRK-22.

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. Testing as of Jan 2025 by AMD using Procyon Office, Excel, Outlook, and PowerPoint benchmarks while running a 10 person Microsoft Teams call with background blur enabled. AMD Ryzen AI 7 350: ASUS Vivobook S14, 28W TDP, AMD Radeon 860M graphics, 24GB RAM, 1TB SSD, Win 11 26100. Core Ultra 7 258V (17W): ASUS Vivobook S 14, Intel Arc 140V GPU, 32GB RAM, 1TB SSD, Win 11 26100. Laptop manufactures may vary configurations yielding different results. KRK-24.

9. Testing as of Jan 2025 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 7 350: ASUS Vivobook S14, 28W TDP, AMD Radeon 860M graphics, 24GB RAM, 1TB SSD, Win 11 26100. Qualcomm X Plus X1P64100: Dell Inspiron 14 Plus, Adreno GPU, 16GB RAM, 512GB SSD, Win 11 26100. Laptop manufacturers may vary configurations yielding different results. KRK-23.

10. Testing as of February 2025 by AMD using the following battery life tests run in Power Efficiency Mode: Video Playback battery life test - Local video playback of a fullscreen 1080p video in the Movies & TV app. 150 nits, WiFi connected to a router with no external network access. Web Browsing - using Microsoft ADK Web Browsing 2.0, 150 nits brightness, WiFi on. Microsoft Teams - running a 10 person Microsoft Teams call with standard background blur enabled, 150 nits brightness. AMD Ryzen AI 7 350: 14" platform with LCD display, 64Whr battery, AMD Radeon 860M graphics, 32GB RAM, 1TB SSD, Win 11 26100. Laptop manufacturers may vary configurations yielding different results. KRK-34.

11. Testing as of January 2025 by AMD using LMStudio Llama v0.3.5 and MistralNemo v0.3.5, and Adobe Photoshop. Tested in Balanced Mode with VBS ON. AMD Ryzen AI 7 350 (28W): ASUS Vivobook S 14, AMD Radeon 860M graphics, 24GB RAM, 1TB SSD, Win 11 26100. Intel Core Ultra 7 258V system (17W): ASUS Vivobook S 14, Intel Arc 140V GPU, 32GB RAM, 1TB SSD, Win 11 26100. Intel Core Ultra 7 258V system 2: ASUS Zenbook S 14, Intel Arc 140V GPU, 32GB RAM, 1TB SSD, Win 11 26100. Laptop manufacturers may vary configurations yielding different results. KRK-33

12. 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 GD-150