AMD RYZEN AI

THE POWER OF PERSONAL AI WITH AMD RYZEN™ AI

AI is everywhere. It is transforming the way consumers create, interact, work and use technology every day.
With AMD Ryzen™ AI[1], PC users can tap into the exciting possibilities that AI brings and experience the power of personal AI at their fingertips.

WHY AMD RYZEN™ AI?

FIRST TO MARKET
AMD was the first to launch a dedicated AI engine in an x86 Windows PC processor[2]

EXPERTISE
AMD is the only pervasive AI portfolio in the industry, from data center to edge to client

AVAILABILITY
Millions of laptops shipped with AMD Ryzen™ AI inside

PERFORMANCE
AMD can bring more AI-enabling power and faster performance in AI workloads than competitive processors[3]

AMD RYZEN™ AI AT A GLANCE

AMD Ryzen™ AI is a combination of powerful AI accelerators **that help unlock new levels of performance and efficiency** for running AI workloads.

AMD Ryzen™ AI includes:

✓ NPU : dedicated AI engine optimized for efficient AI processing
✓ GPU : AMD Radeon™ graphics for high-bandwith AI performance
✓ CPU : AMD Ryzen™ processor cores designed for responsive AI acceleration

Together, they can perform up to 39 trillion operations per second (TOPS), **the most you can get** on a consumer Windows x86 processor today[4]!
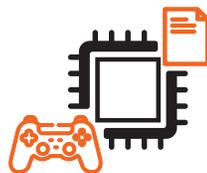
AMD RYZEN AI

NPU + GPU + CPU
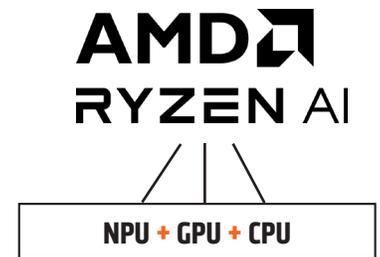
WHY YOU NEED AI IN YOUR LAPTOP

AMD Ryzen™ AI is dedicated to AI workloads, for optimal performance and efficiency.

Unlock new AI experiences to enhance creativity, productivity, entertainment & much more

AI can intelligently balance your computer's workloads to help efficiency and optimize battery life

Personal AI processing may help lower or eliminate future application subscription costs

Keep your personal data at your fingertips by running AI workloads locally on your PC

AMD
together we advance_

**AMD
RYZEN** AI

A NEW WORLD OF AI-DRIVEN EXPERIENCES

Over 100+ AI Experiences enabled for AMD Ryzen™ AI compatible PCs
from Microsoft, Adobe, Topaz Labs, Davinci and more

ENHANCE COLLABORATION
Experience more engaging video calls with AI-enhanced eye gaze correction and background effects.

CUT THROUGH THE CLUTTER
Use AI to summarize and respond to emails, create professional looking presentations, and get more time back in your day.

CREATE IN A WHOLE NEW WAY
Generate AI-inspired visuals just by asking for it, or enhance and de-noise images and video with the help of AI.

PERSONALIZE ENTERTAINMENT
Make AI personal, like generating a travel itinerary perfectly tailored to your preferences and timeline.

LEADERSHIP AI PERFORMANCE

UP TO **79% FASTER**
AT AI COMPUTER VISION MODELS WITH YOLOV8
Ryzen™ 7 8840U vs. Core Ultra 7 155H[3]

UP TO **85% FASTER**
AT AI VIDEO EDITING WITH DAVINCI RESOLVE
Ryzen™ 7 8840U vs. Core Ultra 7 155H[3]

UP TO **28% FASTER**
AT TEXT TO IMAGE PROMPTS WITH STABLE DIFFUSION
Ryzen™ 7 8840U vs. Core Ultra 7 155H[3]

EFFICIENT PROCESSING OF AI WORKLOADS

AMD Ryzen™ AI is designed for incredibly efficient processing of AI workloads, to help save power and extend battery life.

up to
2X LONGER BATTERY LIFE
while video conferencing with Ryzen™ AI + Windows Studio Effects vs running Nvidia Broadcast[5]

using a Ryzen™ 9 7940HS processor and RTX 4070 graphics

VIDEO CONFERENCING
Eye Gaze Correction + Background Blur

GET A PC THAT IS AI READY FOR THE FUTURE OF COMPUTING

AMD Ryzen™ AI is available on select AMD Ryzen™ processors[5]:

AMD Ryzen™ 8040 Series: Ryzen™ 9 8945HS, Ryzen™ 7 8845HS, Ryzen™ 7 8840HS, Ryzen™ 7 8840U, Ryzen™ 5 8645HS, Ryzen™ 5 8640HS, Ryzen™ 5 8640U

AMD Ryzen™ 7040 Series: Ryzen™ 9 7940HS, Ryzen™ 7 7840HS, Ryzen™ 7 7840U, Ryzen™ 5 7640HS, Ryzen™ 5 7640U

AMD Ryzen™ 8000G Series: Ryzen™ 7 8700G, Ryzen™ 5 8600G

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