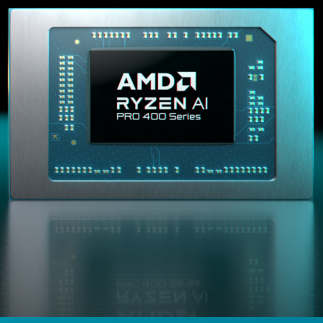
PROCESSOR BATTLECARD



AMD RYZEN™ AI PRO 400 SERIES PROCESSORS

POWERING THE NEXT GENERATION OF INTELLIGENT ENTERPRISE PCs

AMD Ryzen™ AI 400 PRO Series processors are engineered to meet the evolving demands of modern business, delivering the perfect balance of performance, intelligence, and enterprise-grade features. With advanced "Zen 5" CPU cores, powerful integrated graphics, and a dedicated engine for AI acceleration, these processors enable fast workflows, smarter collaboration, and all-day efficiency. Backed by AMD PRO technologies for security, manageability, and stability, they're purpose-built for the AI-powered future of enterprise computing.

AMD Zen 5

- Leadership performance and battery life
- Up to 12 performance cores
- Cool and quiet operation

AMD XDNA 2

- Up to 60 AI TOPS
- Copilot ready

AMD RDNA 3.5

- Latest generation graphics architecture
- Up to 16 graphics compute units

AMD PRO Technologies

- Multi-layered security approach
- Fast PC deployment
- Exceptional ROI

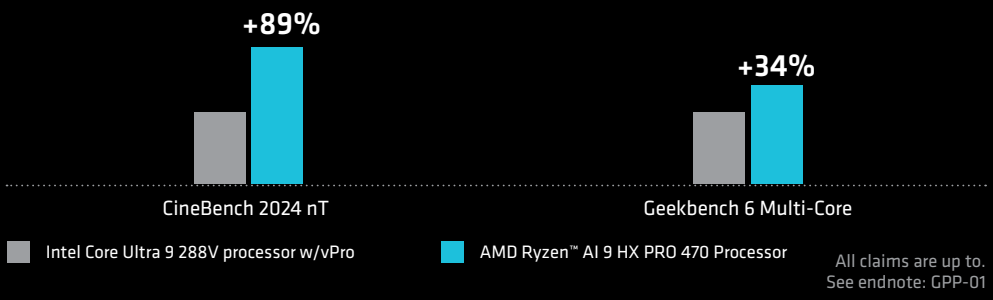
See endnote: GD-243

LEADERSHIP PERFORMANCE

CONTINUED MULTITHREADED PERFORMANCE LEADERSHIP

AVERAGE

+60% FASTER MULTITHREADED PERFORMANCE

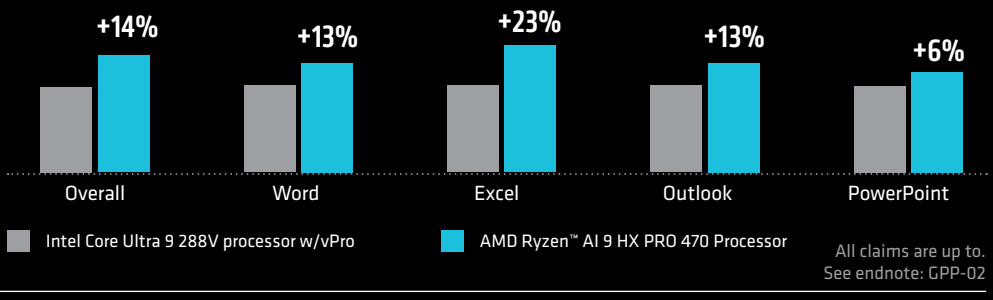


All claims are up to.
See endnote: GPP-01

POWERFUL MULTITASKING FOR EVERYDAY APPLICATIONS

AVERAGE

+14% FASTER TEAMS PLUS OFFICE APP MULTITASKING



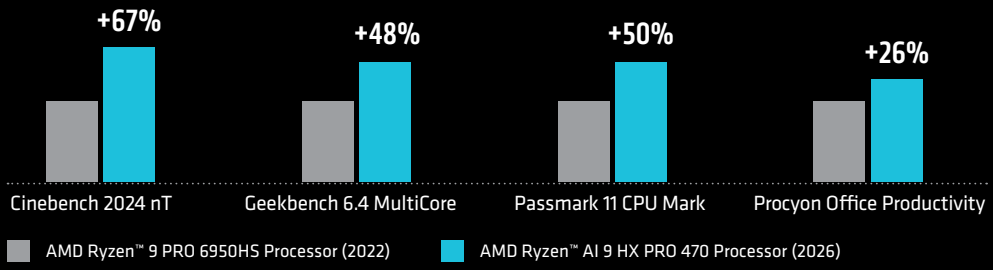
All claims are up to.
See endnote: GPP-02

REFRESH YOUR AGING FLEET TO UNLEASH THE POWER OF AI PCS

UP TO

60 TOPS NPU FOR AI PERFORMANCE

FASTER PERFORMANCE VS A 4-YEAR-OLD NON-AI PC



All claims are up to.
See endnote: GPP-03

AMD
together we advance_

PROVIDING NEXT-LEVEL SECURITY FOR MODERN DEVICES

AMD RYZEN™ AI PRO 400 SERIES PROCESSORS

DELIVERING MULTI-LAYERED SECURITY FEATURES
FROM SILICON TO PLATFORM

- **AMD Memory Guard**
  Protecting a company's sensitive business data
- **AMD Robust Security**
  Enabling critical security solutions from OS providers and OEMs
- **Microsoft Pluton Security**
  Integrated security delivering chip-to-cloud protection

YOUR DATA

OEM SYSTEM-LEVEL SECURITY FEATURES

WINDOWS® 11 OS SECURITY
Secured-Core PC
Hardware Enforced Stack Protection

AMD MEMORY GUARD

MICROSOFT PLUTON SECURITY
FIPS 140-3 Level 1 Certification

AMD SECURE PROCESSOR

AMD "ZEN" ARCHITECTURE
AMD Shadow Stack

AMD Security features
Partner Security features

See endnote: GD-202, GD-206, GD-72

AMD RYZEN™ AI PRO 400 SERIES PROCESSOR VS INTEL CORE ULTRA SPECS

AMD RYZEN™ PRO	CORES/ THREADS	MAX BOOST[7]	CACHE	INTEGRATED AI ENGINE	NPU TOPS[8]	CONFIG TDP	AMD PRO TECHNOLOGIES
AMD Ryzen™ AI 9 HX PRO 475	12C / 24T	5.2 GHz	36 MB	✓	60	15-54W	✓
AMD Ryzen™ AI 9 HX PRO 470	12C / 24T	5.2 GHz	36 MB	✓	55	15-54W	✓
AMD Ryzen™ AI 9 PRO 465	10C / 20T	5.2 GHz	24 MB	✓	50	15-54W	✓
AMD Ryzen™ AI 7 PRO 450	8C / 16T	5.0 GHz	24 MB	✓	50	15-54W	✓
AMD Ryzen™ AI 5 PRO 440	6C / 12T	4.8 GHz	22 MB	✓	50	15-54W	✓
AMD Ryzen™ AI 5 PRO 435	6C / 12T	4.5 GHz	22 MB	✓	50	15-54W	✓

INTEL CORE ULTRA	CORES/THREADS	MAX BOOST[7]	CACHE	INTEL AI BOOST	NPU TOPS	TDP	INTEL vPRO
Intel Core Ultra 9 288V	8C(4P+4E) / 8T	5.1 GHz	12 MB	✓	48	30W	Enterprise
Intel Core Ultra 7 268V	8C(4P+4E) / 8T	5.0 GHz	12 MB	✓	48	17W	Enterprise
Intel Core Ultra 7 268V	8C(4P+4E) / 8T	5.0 GHz	12 MB	✓	48	17W	Enterprise
Intel Core Ultra 7 266V	8C(4P+4E) / 8T	5.0 GHz	8 MB	✓	48	17W	Enterprise
Intel Core Ultra 5 238V	8C(4P+4E) / 8T	4.7 GHz	8 MB	✓	40	17W	Enterprise
Intel Core Ultra 5 228V	8C(4P+4E) / 8T	4.5 GHz	8 MB	✓	40	17W	Enterprise

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1. **GD-202.** Microsoft Pluton is a technology owned by Microsoft and licensed to AMD. Microsoft Pluton is a registered trademark of Microsoft Corporation in the United States and/or other countries. Learn more at https://www.microsoft.com/security/blog/2020/11/17/meet-the-microsoft-pluton-processor-the-security-chip-designed-for-the-future-of-windows-pcs/. Microsoft Pluton security processor requires OEM enablement. Check with the OEM before purchase. AMD has not verified the third-party claim. **GD-202.**
2. **GD-206.** Full system memory encryption with AMD Memory Guard is included in AMD Ryzen PRO, AMD Ryzen Threadripper PRO, and AMD Athlon PRO processors. Requires OEM enablement. Check with the system manufacturer prior to purchase. **GD-206.**
3. **GD-72.** The AMD Secure Processor is a dedicated on-chip security processor integrated within each system-on-a-chip (SoC) and ASIC (Application Specific Integrated Circuit) designed by AMD. It enables secure boot with root of trust anchored in hardware, initializes the SoC through a secure boot flow, and establishes an isolated Trusted Execution Environment. **GD-72.**
4. **GPP-01:** Testing as of December 2025, by AMD Performance Labs using Cinebench 2024 and Geekbench 6 benchmark tests, measuring the multi-threaded performance of AMD AI Ryzen 9 HX PRO 470 processor vs. Intel Core Ultra 9 288V processor. Configuration for AMD processor: AMD reference board, Radeon™ 890M graphics, 32GB LPDDR5 RAM @8533MHZ, 1TB SSD, VBS=ON, Windows 11, tested in balanced mode. Configuration for Intel k9processor: HP Omnibook Ultra, Arc 140V graphics, 32GB LPDDR5 RAM @ 8533MHz, 1TB SSD, VBS=ON, Windows 11, tested in in balanced mode. Laptop manufacturers may vary configurations yielding different results. Results may vary depending on use of the latest drivers. **GPP-01**
5. **GPP-02:** Testing as of December 2025, by AMD Performance Labs using the Procyon Office Productivity benchmark while running Microsoft Teams 3x3 video conference. Configuration for AMD Ryzen™ AI 9 HX PRO 470 processor: AMD reference board, Radeon™ 890M graphics, 32GB LPDDR5 RAM @8533MHZ, 1TB SSD, VBS=ON, Windows 11. Configuration for Intel Core Ultra 9 288V processor: HP Omnibook Ultra, Arc 140v graphics, 32GB LPDDR5 RAM @8533MHz, 1TB SSD, VBS=ON, Windows 11. Laptop manufacturers may vary configurations yielding different results. Results may vary based on use of the latest drivers. **GPP-02**
6. **GPP-03:** Testing as of December 2025, by AMD Performance Labs using the following benchmarks: Cinebench 2024 nT, Geekbench 6 Multi-Core, Passmark 11 CPU Mark, and Procyon Office Productivity. Configuration for AMD Ryzen™ AI 9 HX PRO 470 processor: AMD reference board, Radeon™ 890M graphics, 32GB LPDDR5 RAM @8533MHZ, 1TB SSD, VBS=ON, Windows 11. Configuration for AMD Ryzen 9 PRO 6950HS processor: HP Elitebook 865 G9, Radeon™ 680M graphics, 64GB LPDDR5 RAM @ 4800MHz, 2TB SSD, VBS=ON, Windows 11 Pro. Laptop manufacturers may vary configurations yielding different results. Results may vary based on use of the latest drivers. **GPP-03**
7. **GD-150:** Max boost for AMD Ryzen and Athlon 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**
8. **GD-243: 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.**

"Zen 5" is a codename only and not an AMD product name.

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