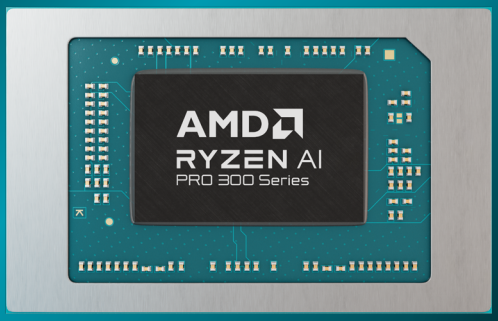
PROCESSOR BATTLECARD



AMD RYZEN AI PRO 300 Series

AMD RYZEN™ AI PRO 300 SERIES PROCESSORS

THE WORLD'S BEST PROCESSOR FOR NEXT-GEN AI ENTERPRISE PCs

Step into the future with AMD Ryzen™ AI PRO 300 Series processors. Offering up to 5X more AI performance than the competition, and powering next-gen AI PCs designed for enterprise these processors are uniquely optimized to be the world's best for Microsoft Copilot+ experiences. Powered by "Zen 5" technology, 4nm process, and support for Wi-Fi 7, these processors enhance productivity, turbocharge multitasking, deliver fast connectivity, and offer excellent battery life while providing world-class security across all business scenarios.

See endnote: STXP-04, STXP-09

ZEN 5

- Leading performance and battery life
- Up to **50%** more cores
- Cool and quiet operation

AMD XDNA 2

- **5X** more AI performance than competition
- Best NPU for Copilot+

AMD RDNA 3.5

- Better performance per watt
- Increased clock speeds
- Up to **33%** more compute units

AMD PRO Technologies

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

See endnote: STXP-09

LEADERSHIP PERFORMANCE VS INTEL CORE ULTRA PROCESSORS

Incredible System Performance for Enterprise AI PCs

- ✓ Up to 12 high-performance cores
- ✓ World's fastest iGPU for enterprise AI PCs
- ✓ Better ROI with increased productivity

Faster CPU Performance	Faster Productivity Performance	Faster System Performance
AMD Ryzen™ AI 9 HX PRO 375 CPU	**AMD Ryzen™ AI 9 HX PRO 375 CPU**	**AMD Ryzen™ AI 9 HX PRO 375 CPU**
Up to **53%** vs Intel Core Ultra 7 165H w/ vPro	Up to **2.1X** vs Intel Core Ultra 7 165H w/ vPro	Up to **60%** vs Intel Core Ultra 7 165H w/ vPro
Cinebench R24 n-thread	**Teams Video Conference + Procyon Office Productivity**	**PassMark 11 (Overall)**

*All systems compared are 14" notebooks with similar design and specifications.

See endnotes: STXP-07, STX-08, STXP-10, STXP-12, STXP-16

LEADING BATTERY LIFE FOR MICROSOFT TEAMS CONFERENCING

Leading Battery Life Performance for Enterprise

- ✓ Leading "Zen 5" technology
- ✓ Reduced power consumption
- ✓ Improved thermal management
- ✓ 4nm efficient design

AMD Ryzen™ AI 9 HX PRO 375 CPU

Up to **9.2 Hours**

Up to 39% Longer Battery Life vs Intel Core Ultra 7 165H w/ vPro (6.6 hours)

Up to 23% Longer Battery Life vs Apple M3 Pro 12-Core (7.5 hours)

See endnotes: STXP-30, STX-32, STXP-33

AMD
together we advance_

AMD RYZEN AI PRO 300 Series

LEADING PERFORMANCE VS. APPLE M3 PRO

PassMark 11 (CPU Mark)

AMD Ryzen™ AI 9 HX PRO 375 CPU

Up to **33%**

Faster CPU Performance
vs Apple M3 Pro 12-Core

LM Studio Mistral (time to first token)

AMD Ryzen™ AI 9 HX PRO 375 CPU

Up to **6%**

Faster AI Responsiveness
vs Apple M3 Pro 12-Core

See endnotes: STXP-30, STX-32, STXP-33

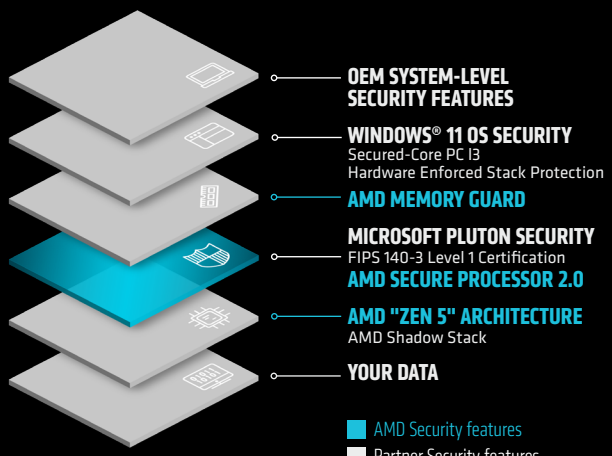
EXCEEDING THE LATEST SECURITY REQUIREMENTS FOR MODERN DEVICES

AMD RYZEN™ AI PRO 300 SERIES PROCESSORS

DELIVERING MULTI-LAYERED SECURITY FROM HARDWARE, TO OS, TO THE SYSTEM LEVEL

- **AMD Memory Guard** helps protect company's sensitive business data when an employee's PC is lost or stolen
- NEW* **Cloud Bare Metal Recovery (cBMR)** communicates Pre-OS to recover the system (via cloud) without shipping the system
- NEW* **Supply Chain Security (AMD DEVICE IDENTITY)** authenticates genuine AMD SoCs in customer platforms and its traceability across the supply chain
- NEW* **Watch Dog Timer** augments resiliency support through detection and recovery of hung SoC processes

Microsoft Pluton Product availability varies by device and market, NEW features not available on previous gen hardware



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

AMD RYZEN™ AI PRO 300 SERIES PROCESSOR VS INTEL CORE ULTRA SPECS

AMD RYZEN™ PRO PROCESSORS	CORES/ THREADS	MAX BOOST	CACHE	INTEGRATED AI ENGINE	NPU TOPS	CONFIG TDP	AMD PRO TECH-NOLOGIES
AMD Ryzen™ AI 9 HX PRO 375	12C / 24T	5.1 GHz	36 MB	✓	55	15-54W	✓
AMD Ryzen™ AI 9 HX PRO 370	12C / 24T	5.1 GHz	36 MB	✓	50	15-54W	✓
AMD Ryzen™ AI 7 PRO 360	8C / 16T	5.0 GHz	24 MB	✓	50	15-54W	✓

INTEL CORE ULTRA	CORES/THREADS	MAX BOOST	CACHE	INTEL AI BOOST	NPU TOPS	CONFIG TDP	Intel vPro
Intel Core Ultra 7 165H	6 p-cores 8 e-cores 2 LP e-cores 22T	5 GHz	24 MB	✓	11	28W	Enterprise
Intel Core Ultra 7 165H	6 p-cores 8 e-cores 2 LP e-cores 22T	5 GHz	24 MB	✓	11	28W	Enterprise
Intel Core Ultra 7 165U	2 p-cores 8 e-cores 2 LP e-cores 14T	4.9 GHz	12 MB	✓	11	15W	Enterprise

VISIT AMD.COM/PARTNER Your source for tools, training, news, reviews, and much more!

STXP-04. Based on product specifications and competitive products announced as of Oct 2024 and testing as of Sept 2024 by AMD performance labs using the following systems: HP EliteBook X G1a with AMD Ryzen AI 9 HX PRO 375 processor @23W, Radeon 880M graphics, 32GB of RAM, 512GB SSD, VBS=ON, Windows 11 PRO; Dell Latitude 7450 with Intel Core Ultra 7 165U processor @15W (vPro enabled), Intel Iris Xe Graphics, VBS=ON, 32GB RAM, 512GB NVMe SSD, Microsoft Windows 11 Professional; Dell Latitude 7450 with Intel Core Ultra 7 165H processor @28W (vPro enabled), Intel Iris Xe Graphics, VBS=ON, 16GB RAM, 512GB NVMe SSD, Microsoft Windows 11 Pro. All systems were tested in Best Performance Mode. AI PC is defined as a laptop PC with a processor that includes a neural processing unit (NPU). **STXP-04.**
STXP-07. Testing as of Sept 2024 by AMD performance labs using the following benchmarks: Blender, Cinebench R24, Geekbench 6.3, and Passmark 11, systems: HP EliteBook X G1a with AMD Ryzen AI 9 HX PRO 375 processor @54W, Radeon 880M graphics, 32GB of RAM, 512GB SSD; Lenovo ThinkPad T14s Gen 6 with AMD Ryzen™ AI 7 PRO 360 processor @22W, Radeon™ 880M graphics, 32GB RAM, 1TB SSD; Dell Latitude 7450 with Intel Core Ultra 7 165U processor @15W (vPro enabled), Intel Iris Xe Graphics, 32GB RAM, 512GB NVMe SSD; Dell Latitude 7450 with Intel Core Ultra 7 165H processor @28W (vPro enabled), Intel Iris Xe Graphics, 16GB RAM, 512GB NVMe SSD,. All systems Windows 11 Pro, VBS=ON, and tested in Best Performance Mode. PassMark is a registered trademark of PassMark Software Pty Ltd. AI PC is defined as a laptop PC with a processor that includes a neural processing unit (NPU). **STXP-07.**
STXP-08. Testing as of Sept 2024 by AMD performance labs using the following systems: HP EliteBook X G1a with AMD Ryzen AI 9 HX PRO 375 processor @54W, Radeon 880M graphics, 32GB of RAM, 512GB SSD, ; Lenovo ThinkPad T14s Gen 6 with AMD Ryzen™ AI 7 PRO 360 processor @22W, Radeon™ 880M graphics, 32GB RAM, 1TB SSD, Dell Latitude 7450 with Intel Core Ultra 7 165U processor @15W (vPro enabled), Intel Iris Xe Graphics, 32GB RAM, 512GB NVMe SSD, ; Dell Latitude 7450 with Intel Core Ultra 7 165H processor @28W (vPro enabled), Intel Iris Xe Graphics, 16GB RAM, 512GB NVMe SSD,. All VBS=ON, Windows 11 PRO and tested in Best Performance Mode. AI PC is defined as a laptop PC with a processor that includes a neural processing unit (NPU). **STXP-08.**
STXP-09. Based on AMD product specifications and competitive products announced as of Oct 2024. AMD Ryzen™ AI PRO 300 Series processors' NPU offers up to 55 peak TOPS. **STXP-09.**
STXP-10. Testing as of Sept 2024 by AMD performance labs using the following systems: HP EliteBook X G1a with AMD Ryzen AI 9 HX PRO 375 processor @40W, Radeon™ 890M graphics, 32GB of RAM, 512GB SSD, VBS=ON, Windows 11 Pro; Lenovo ThinkPad T14s Gen 6 with AMD Ryzen™ AI 7 PRO 360 processor @22W, Radeon™ 880M graphics, 32GB RAM, 1TB SSD, VBS=ON, Windows 11 Pro; Dell Latitude 7450 with Intel Core Ultra 7 165U processor @15W (vPro enabled), Intel Iris Xe Graphics, VBS=ON, 32GB RAM, 512GB NVMe SSD, Microsoft Windows 11 Professional; Dell Latitude 7450 with Intel Core Ultra 7 165H processor @28W (vPro enabled), Intel Iris Xe Graphics, VBS=ON, 16GB RAM, 512GB NVMe SSD, Microsoft Windows 11 Pro. The following applications were tested in Balanced Mode: Teams + Procyon Office Productivity, Teams + Procyon Office Productivity Excel, Teams + Procyon Office Productivity Outlook, Teams + Procyon Office Productivity Power Point, Teams + Procyon Office Productivity Word, Composite Geomean Score. Each Microsoft Teams call consists of 9 participants (3X3). Laptop manufactures may vary configurations yielding different results. **STXP-10.**
STXP-12. Testing as of Sept 2024 by AMD performance labs on an HP EliteBook X G1a (14in) (40W) with AMD Ryzen AI 9 HX PRO 375 processor, Radeon™ 890M graphics, 32GB of RAM, 512GB SSD, VBS=ON, Windows 11 Pro vs. a Dell Latitude 7450 with an Intel Core Ultra 7 165H processor (vPro enabled), Intel Arc Graphics, VBS=ON, 16GB RAM, 512GB NVMe SSD, Microsoft Windows 11 Pro in the application(s) (Best Performance Mode): Cinebench R24 nT. Laptop manufactures may vary configurations yielding different results. **STXP-12.**
STXP-16 Testing as of Sept 2024 by AMD performance labs using a HP EliteBook X G1a (14in) with an AMD Ryzen AI 9 HX PRO 375 processor (54W), Radeon™ 890M graphics, 32GB RAM, 512GB SSD, VBS=ON, Windows 11 Pro vs. a Dell Latitude 7450 with Intel Core Ultra 7 165H processor (28W) (vPro enabled), Intel Arc Graphics, VBS=ON, 16GB RAM, 512GB NVMe SSD, Microsoft Windows 11 Pro in the application(s) (Best Performance Mode): Passmark 11 (Overall). Laptop manufactures may vary configurations yielding different results. **STXP-16.**
STXP-21. Testing as of Sept 2024 by AMD performance labs using a HP EliteBook X G1a (14in) with an AMD Ryzen AI 9 HX PRO 375 processor (40W), Radeon™ 890M graphics, 32GB RAM, 512GB SSD, VBS=ON, Windows 11 Pro vs. an Apple MacBook Pro 14 with M3 Pro 12-core processor, Apple integrated graphics, 36GB RAM, 1TB SSD, MacOS 15.0 in the application(s) (Apple = Balanced Mode / AMD = Best Performance Mode): LMStudio 0.3.1 Mistral_CPU (time to first token), PassMark 11 CPU Mark benchmarks. Laptop manufactures may vary configurations yielding different results. **STXP-21.**
STXP-30. Based on internal testing by AMD as of 9/23/24. Battery life results evaluated by playing a 1080P video on loop @150 nits brightness from 100 >0% battery running in Best Power Efficiency Mode. All systems use native video player.
System config: HP EliteBook X G1a (14in) with an AMD Ryzen AI 9 HX PRO 375 processor (40W), Radeon™ 890M graphics, 32GB RAM, 512GB SSD, VBS=ON, Windows 11 Pro. System config: Apple MacBook Pro 14 with M3 Pro 12-core processor, Apple integrated graphics, 36GB RAM, 1TB SSD, MacOS 15.0. System Config: Dell Latitude 7450 with an Intel Core Ultra 7 165H processor (28W) (vPro enabled), Intel Arc Graphics, VBS=ON, 16GB RAM, 512GB NVMe SSD, Windows 11 Pro. Video playback battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. Results may vary. **STXP-30.**
STXP-32 Based on internal testing by AMD as of 9/23/24. Battery life results evaluated by operation of a nine-participant Microsoft Teams video conference on battery. Test configuration for AMD and Intel systems run from power level 90% > 45% @150nits brightness and power mode set to "best power efficiency."
System config: HP EliteBook X G1a (14in) with an AMD Ryzen AI 9 HX PRO 375 processor (40W), Radeon™ 890M graphics, 32GB RAM, 512GB SSD, VBS=ON, Windows 11 Pro. System config: Apple MacBook Pro 14 with M3 Pro 12-core processor, Apple integrated graphics, 36GB RAM, 1TB SSD, MacOS 15.0. System Config: Dell Latitude 7450 with an Intel Core Ultra 7 165H processor (28W) (vPro enabled), Intel Arc Graphics, VBS=ON, 16GB RAM, 512GB NVMe SSD, Windows 11 Pro. Manufacturers may vary configurations yielding different results. Performance may also vary based on use of latest drivers. **STXP-32.**
STXP-33 Based on internal testing by AMD as of 9/23/24. Battery life results evaluated by operation of a nine-participant Microsoft Teams video conference on battery. Test configuration for AMD and Intel systems run from power level 90% > 45% @150nits brightness and power mode set to "best power efficiency."
System config: Lenovo ThinkPad T14s Gen 6 with an AMD Ryzen™ AI 7 PRO 360 processor @22W, Radeon™ 880M graphics, 32GB RAM, 1TB SSD, VBS=ON, Windows 11 Pro. System Config: Dell Latitude 7450 with Intel Core Ultra 7 165U processor @15W (vPro enabled), Intel Iris Xe Graphics, VBS=ON, 32GB RAM, 512GB NVMe SSD, Windows 11 Pro. Manufacturers may vary configurations yielding different results. Performance may also vary based on use of latest drivers. **STXP-33.**
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.**
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.**
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.**
"Zen 5" is a codename only and not an AMD product name.

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