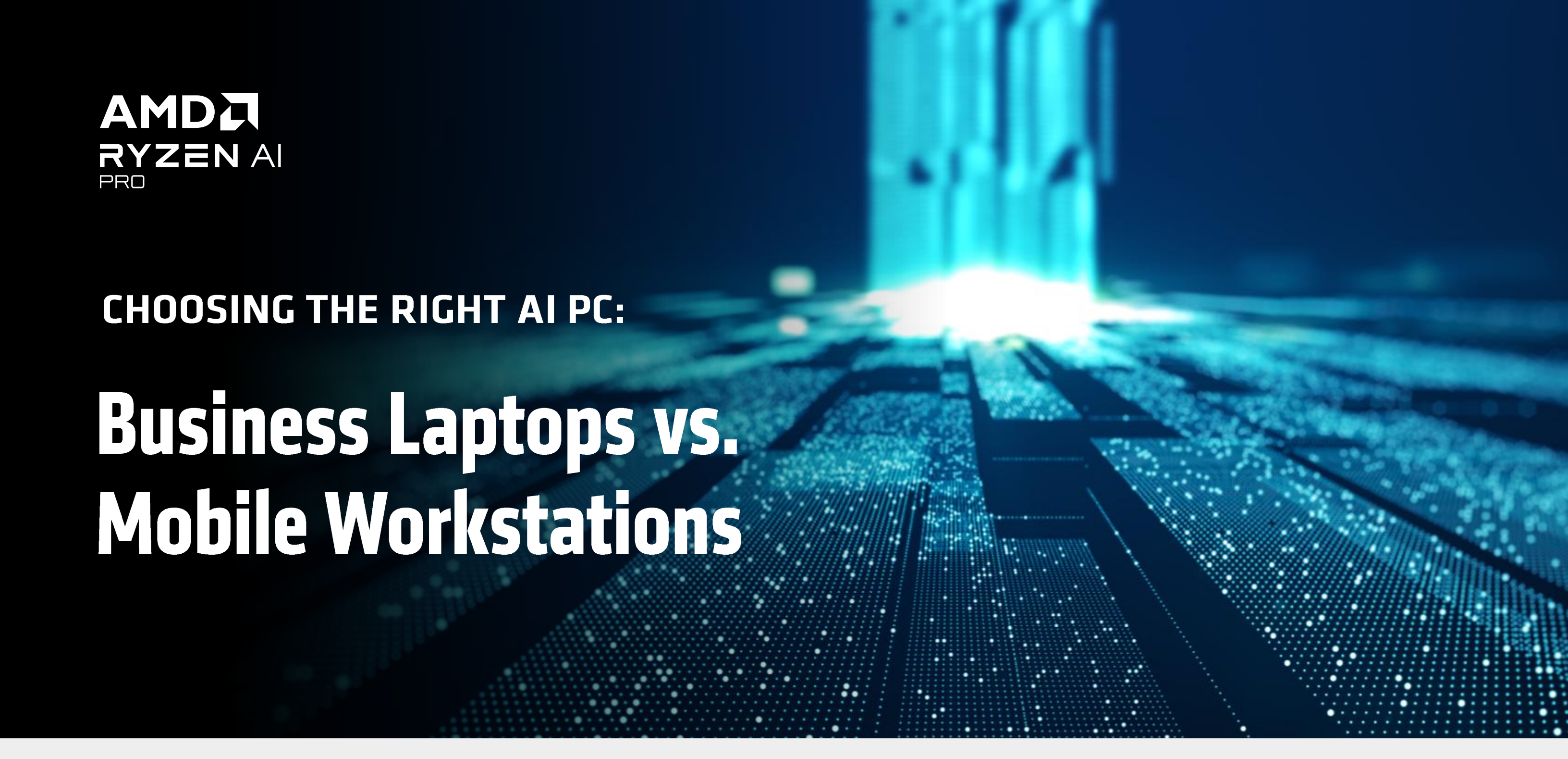


CHOOSING THE RIGHT AI PC:

Business Laptops vs. Mobile Workstations

Fuel enterprise growth with AI PCs

AI is redefining how work gets done—helping businesses streamline operations, boost productivity, and unlock new efficiencies. But as enterprises adopt more AI-powered tools, they need hardware that can keep pace. That's where AI PCs come in.

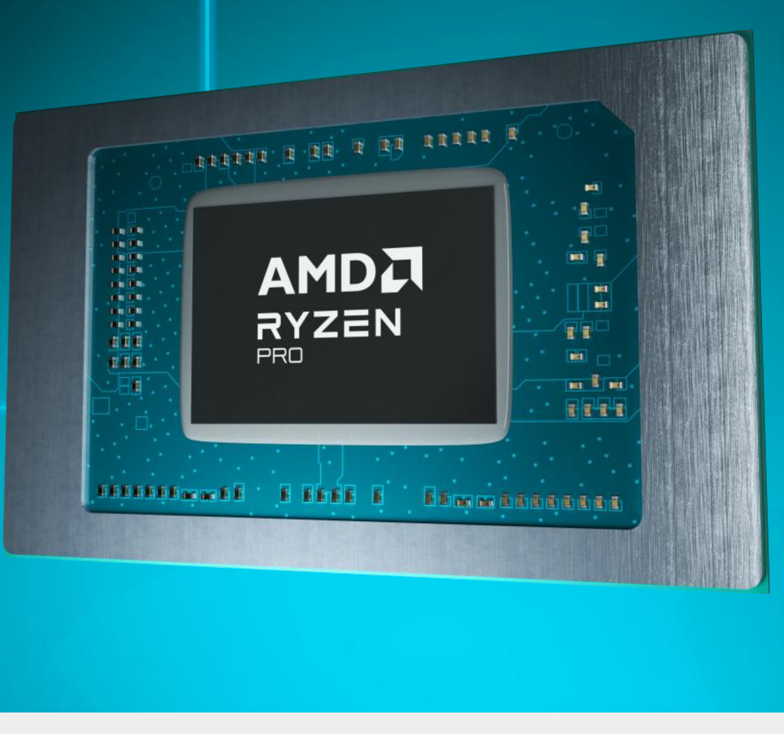
73 %

of ITDMs say AI PCs are accelerating their PC device refresh plans.[1]

Equip your teams with AI PCs that boost performance, efficiency, and security

AI PCs are designed to meet the unique needs of all employees. Whether you need everyday productivity or high-performance computing, you can find AI PCs that work for you:

THE NEXT GENERATION OF ENTERPRISE PCS DELIVERS TOP PERFORMANCE, SECURITY, AND EFFICIENCY ACROSS LAPTOPS, DESKTOPS, AND WORKSTATIONS.



How AI PCs are reshaping the workplace

ENHANCED EMPLOYEE PERFORMANCE AND PRODUCTIVITY

76%

of ITDMs say AI PCs will increase productivity.[1]

BUSINESS ADVANCEMENTS

72%

of ITDMs think AI PCs will accelerate innovation.[1]

OPTIMIZED SPEND

Over 70%

of ITDMs believe AI PCs will improve their total cost of ownership (TCO).[1]

IMPROVED PRIVACY AND SECURITY

75%

of ITDMs think AI PCs will help them maintain data privacy, while 74% say they reduce security risks.[1]

FREE UP TIME FOR HIGH VALUE WORK

79%

of ITDMs say AI PCs will help employees focus on what's important.[1]

INCREASED EFFICIENCIES

Over 80%

of ITDMs agree that AI PCs will eliminate repetitive tasks, boosting efficiency across the organization.[1]

Business laptops vs. mobile workstations: Which is right for you?

Business laptops

- ✓ Power everyday office productivity and data analysis
- ✓ Easy to manage across teams
- ✓ Leverage AI-powered tools including Copilot and Microsoft 365

Mobile workstations

- ✓ Built for heavy workloads with better CPU and GPU performance
- ✓ Optimized for design, engineering, and software development
- ✓ Supports video editing, 3D rendering, CAD design, and coding with professional-grade drivers and ISV certifications

Who will use your enterprise PCs?

RECOMMENDED DEVICE

BUSINESS LAPTOPS

RESEARCH TEAMS – Great for Microsoft Copilot, Microsoft Office 365 apps, and multitasking

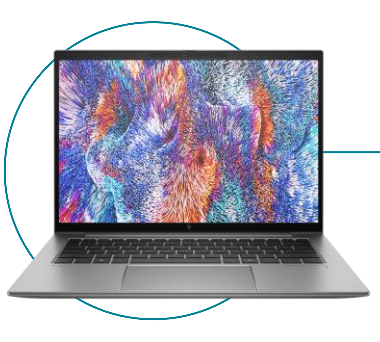
BUSINESS TEAMS – Support AI-driven content and analytics with long battery life

IT TEAMS – Provides manageability, security, and automated troubleshooting

RECOMMENDED DEVICE

MOBILE WORKSTATIONS

Up to 106% faster for design and manufacturing tasks such as Keyshot rendering[2]



ENGINEERS AND CREATIVES – Handles GPU tasks like CAD, rendering, editing

SOFTWARE DEVELOPERS AND SOLUTION ARCHITECTS – Enables local AI model training and provides high AI compute performance (50+ TOPS)[3]

AMD RYZEN™ AI PRO PROCESSORS

Built for AI, designed for professionals

AMD Ryzen™ AI PRO[4] processors meet the evolving demands of modern work–delivering the performance and efficiency needed for everything from general office tasks to AI-driven workloads and specialized professional applications. AMD Ryzen™ AI PRO processors for enterprise PCs offer:

01 World's first integrated AI engine in an x86 processor[5]

02 An ability to process up to 55 TOPS[6]

03 Multiple AI streams for real-time multitasking

04 Enterprise-grade multi-layered security and manageability

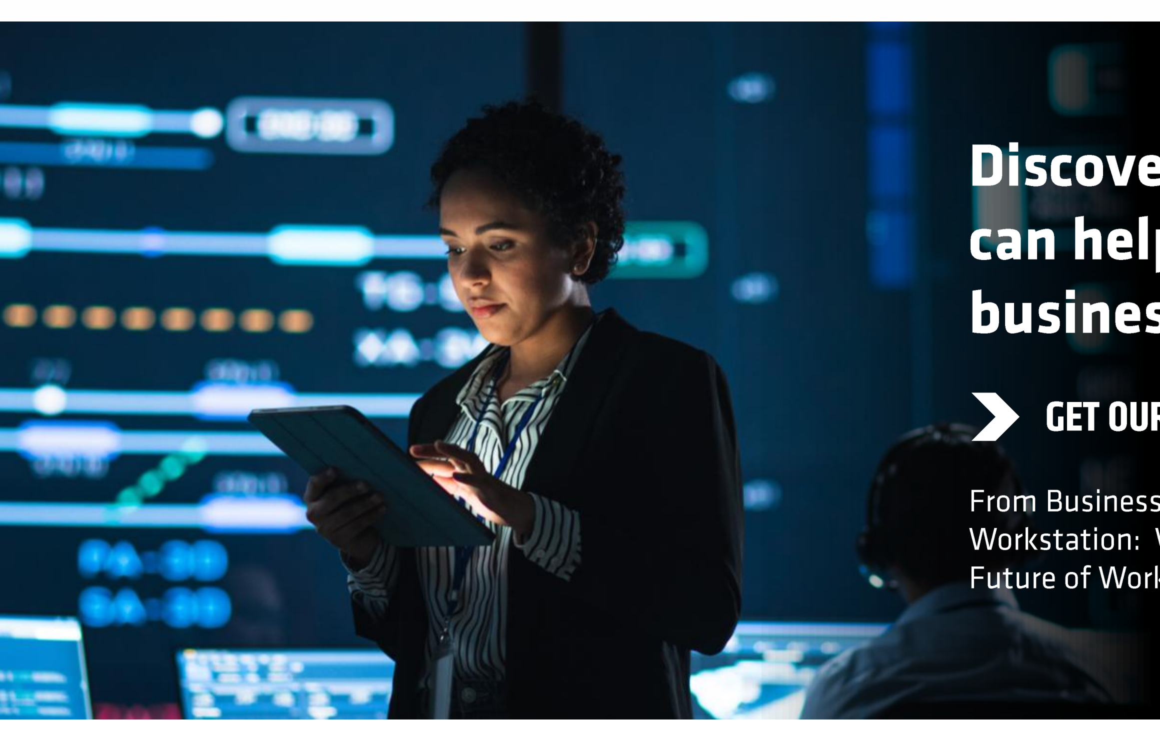
05 Up to 24 hours of battery life with near-silent operation[7]

Why AMD Ryzen™ AI PRO processors for enterprise PCs?

Up to **53%** faster in Cinebench R24 n-thread performance, a key indicator of multitasking capability.[8*]

Up to **78%** faster for architectural tasks such as Corona rendering.[9]

Up to **102%** faster for media and entertainment tasks.[10]



Discover how AI PCs can help you fuel business growth.

GET OUR NEW E-BOOK

From Business Laptops to Mobile Workstation: Why AI PCs Are the Future of Work.

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[1] IDC White Paper, sponsored by AMD, Accelerate Your Organization's AI Strategy by Deploying High-Performance AI PCs , document #US53192925, February 2025.

[2] SHOP-04: Testing as of November 2024 by AMD Performance Labs using the following benchmarks: SPECapc Solidworks 2024, SPECapc PTC Creo, SPECviewperf 2024, Luxion Keyshot. Configuration for AMD Ryzen™ AI Max+ PRO 395 processor: AMD reference board, Radeon™ 8060S graphics, 128GB RAM, 1TB SSD, VBS=ON, Windows 11. Configuration for Intel Core Ultra 9 185H processor: Dell Precision 5490 14", Nvidia RTX 3000 Ada Graphics (8GB), 64GB RAM, 1TB SSD, VBS=ON, Windows 11. Laptop manufacturers may vary configurations yielding different results.

[3] 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.

[4] Ryzen™ AI is defined as the combination of a dedicated AI engine, AMD Radeon™ graphics engine, and Ryzen processor cores that enable AI capabilities. OEM and ISV enablement is required, and certain AI features may not yet be optimized for Ryzen AI processors. Ryzen AI is compatible with: (a) AMD Ryzen 7040 and 8040 Series processors and Ryzen PRO 7040/8040 Series processors except Ryzen 5 7540U, Ryzen 5 8540U, Ryzen 3 7440U, and Ryzen 3 8440U processors; (b) AMD Ryzen AI 300 Series processors and AMD Ryzen AI PRO 300 Series processors; (c) all AMD Ryzen 8000G Series desktop processors except the Ryzen 5 8500G/GE and Ryzen 3 8300G/GE; (d) AMD Ryzen 200 Series processors and Ryzen PRO 200 Series processors except Ryzen 5 220 and Ryzen 3 210; and (e) AMD Ryzen AI Max Series processors and Ryzen AI PRO Max Series processors. Please check with your system manufacturer for feature availability prior to purchase. GD-220e.

[5] As of May 2023, AMD has the first available dedicated AI engine on an x86 Windows processor, where 'dedicated AI engine' is defined as an AI engine that has no function other than to process AI inference models and is part of the x86 processor die. For detailed information, please check: https://www.amd.com/en/technologies/xdna.html. PHX-3a.

[6] STXP-06 a: Based on AMD product specifications and competitive products announced as of March 2025. AMD Ryzen™ AI PRO 300 Series processors' NPU offers up to 55 peak TOPS. This is the most TOPS offered on any system found in enterprise today. AI PC is defined as a laptop PC with a processor that includes a neural processing unit (NPU). STXP-06a.

[7] GD 173a: AMD defines "All Day Battery Life" as at least 8 hours of continuous battery life and "Multi-Day battery Life" as continuous runtime above 8 hours. All battery life scores are approximate. Actual battery life will vary based on several factors, including, but not limited to system configuration and software, settings, product use and age, and operating conditions. GD-173a.

[8] STXP-12. HP EliteBook X G1a with AMD Ryzen™ AI 9 HX PRO 375 processor. Dell Latitude 7450 with Intel Core Ultra 7 165H processor (vPro enabled). The HP EliteBook X G1a with an AMD Ryzen™ AI 9 HX PRO 375 processor offers up to 53% higher performance when compared to the Dell Latitude 7450 with an Intel Core Ultra 7 165H in the Cinebench R24 nT benchmark. *Versus a Dell Latitude 7450 with an Intel Core Ultra 7 165H processor (vPro enabled).

[9] SHOP-05: Testing as of November 2024 by AMD Performance Labs using the following benchmarks: Revit 2025 benchmarks, Cadalyst AutoCAD benchmark 2022, Corona Render.Configuration for AMD Ryzen™ AI Max+ PRO 395 processor: AMD reference board, Radeon™ 8060S graphics, 128GB RAM, 1TB SSD, VBS=ON, Windows 11.Configuration for Intel Core Ultra 9 185H processor: Dell Precision 5490 14", Nvidia RTX 3000 Ada Graphics (8GB), 64GB RAM, 1TB SSD, VBS=ON, Windows 11. Laptop manufacturers may vary configurations yielding different results.

[10] SHOP-03: Testing as of November 2024 by AMD Performance Labs using the following benchmarks: Puget Adobe Premiere Pro, Puget After Effects, Cinebench R24 (n-thread), V-Ray Benchmark 6 (CPU).Configuration for AMD Ryzen™ AI Max+ PRO 395 processor: AMD reference board, Radeon™ 8060S graphics, 128GB RAM, 1TB SSD, VBS=ON, Windows 11. Configuration for Intel Core Ultra 9 185H processor: Dell Precision 5490 14", Nvidia RTX 3000 Ada Graphics (8GB), 64GB RAM, 1TB SSD, VBS=ON, Windows 11. Laptop manufacturers may vary configurations yielding different results.