



MOVE AT THE SPEED OF MODERN BUSINESS

Upgrading PC Performance for Your Hybrid Workforce

AMD
RYZEN
PRO



TABLE OF CONTENTS

3 WHY NOW

– Business Computing and the Anywhere Workforce

4 WHY AMD

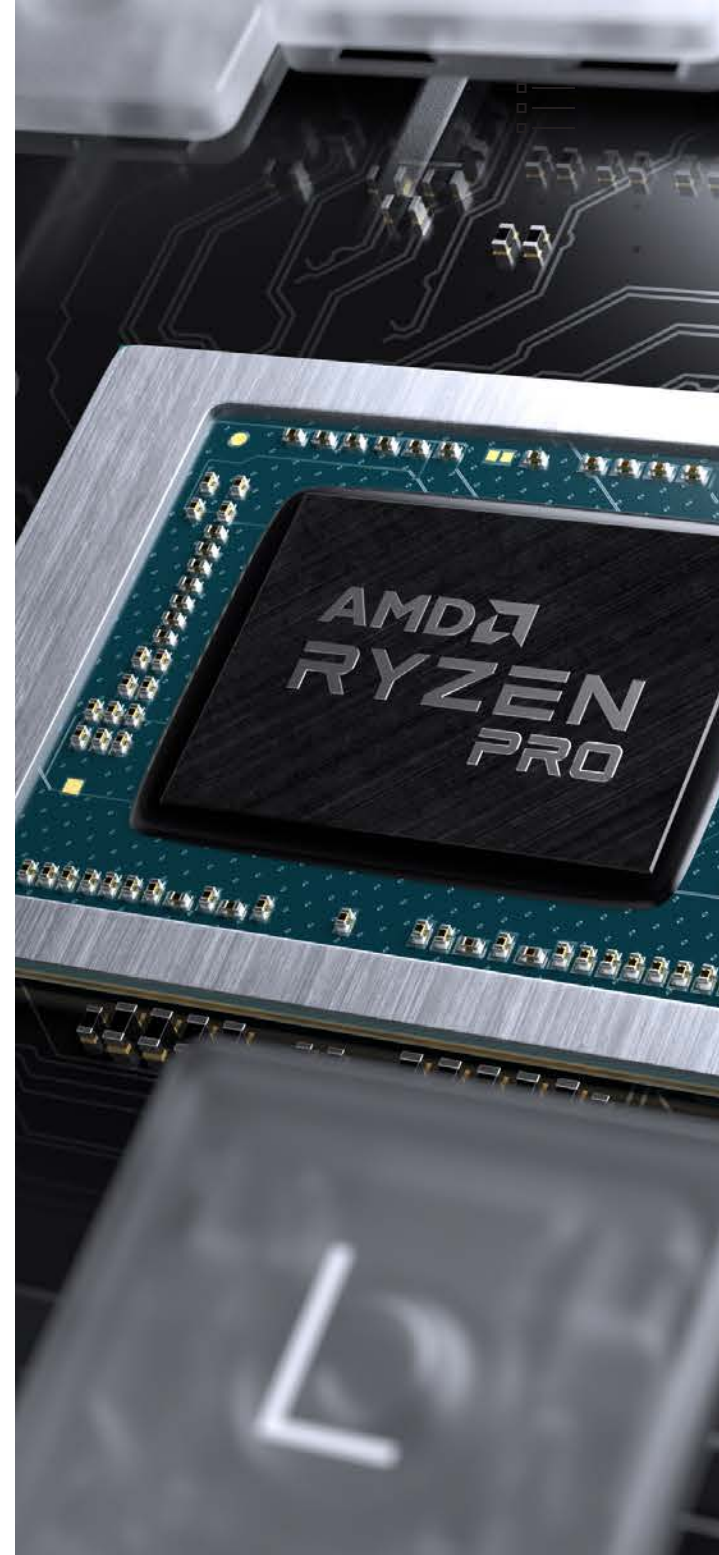
– Taking the Lead: AMD Ryzen™ PRO Processors

5 PERFORMANCE

– How to Evaluate PC Performance for Your Business

6 AMD RYZEN™ PRO

- Performance Benchmarks: Competitive
- Performance Benchmarks: Generational
- Gain a Competitive Edge with AMD Ryzen™ PRO Processors



WHY NOW

PC PERFORMANCE AND THE ANYWHERE WORKFORCE

The way we work is evolving fast, and not every laptop or desktop PC can keep up with today's remote and hybrid workers. As the anywhere workforce continues to put business computing to the test, companies are discovering that they need PCs with more performance, security features, and manageability.

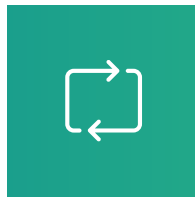
PUT YOUR PC TO THE TEST

Ask yourself the questions below. If the answers are less than ideal, it might be time to upgrade.



PRODUCTIVITY

How fast can your PC tackle everyday tasks in your business-critical applications?



COLLABORATION

How well does your PC keep you connected while video conferencing, messaging, and sharing files?



SECURITY FEATURES

How does your PC help safeguard your data from today's sophisticated attacks?

WHY AMD

TAKING THE LEAD:

AMD RYZEN™ PRO PROCESSORS

When you power your business with AMD Ryzen™ PRO processors, you gain a huge performance leap, advanced enterprise-class technologies, and the support of a growing ecosystem. Now is the time to modernize with AMD.

UPWARD MOMENTUM

AMD Ryzen™ PRO processors have raised the standards of business computing. The brand continues to grow and innovate with each generation.

ROBUST ECOSYSTEM

We work closely with PC manufacturers, software developers, and technology providers to optimize AMD Ryzen™ PRO processors for the applications you use every day.

PERFORMANCE BREAKTHROUGHS

AMD continues to elevate business computing with unprecedented advancements such as our 6nm process technology and "Zen 3+" architecture.

AMD PRO TECHNOLOGIES

AMD Ryzen™ PRO processors include a suite of innovations designed for modern business: AMD PRO security, AMD PRO manageability, and AMD business ready.

PERFORMANCE

HOW TO EVALUATE PC PERFORMANCE FOR YOUR BUSINESS

Make sure you invest in PCs with the right amount of computing power to handle what you do every day, whether its building spreadsheets or skyscrapers. Reviewing industry-standard performance benchmarks can help provide insight into how a PC might work for your business.

BEHIND THE BENCHMARKS

PCMARK® 10 EXTENDED

Overall PC performance for everyday office workloads and power-user productivity

—
Web browsing, app start-up, video conferencing, office application performance, digital content creation, and gaming performance

CINEBENCH R23

CPU performance capabilities

—
Single-thread (1T) and multithread (nT) performance

UL PROCYON OFFICE PRODUCTIVITY

PC performance for Microsoft Office applications

—
Word, Excel, PowerPoint, and Outlook

PUGET PHOTOSHOP

Digital content creation with Adobe Photoshop

—
Heavy, simultaneous workloads and graphics performance

MOBILE

AMD RYZEN™ PRO

MOBILE PROCESSORS

Get the accelerated laptop computing performance essential for today's hybrid workers with the world's most advanced processors for business laptops.¹ The following pages show how AMD Ryzen™ PRO 6000 Series processors offer a boost in speed and productivity over the previous generation.

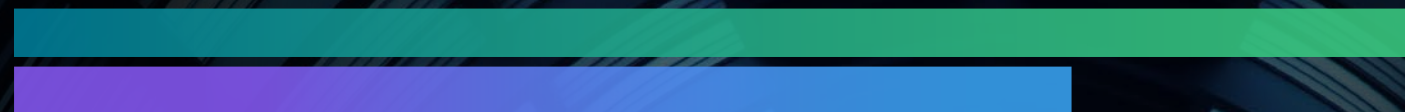


AMD RYZEN™ PRO 6000 SERIES PROCESSORS

COMPETITIVE PERFORMANCE

OVERALL PERFORMANCE²

PCMark® 10 Extended



AMD Ryzen™ 7 PRO 6850U

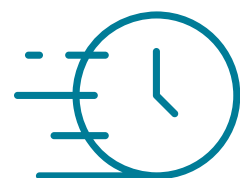
Up to 32% faster

Intel® Core i7-1185G7

100%

SINGLE-THREADED (1T) PERFORMANCE³

CineBench R23



AMD Ryzen™ 5 6650U

Up to 10% faster

Compared to Intel® Core i5-1145G7

MULTITHREADED (NT) PERFORMANCE³

CineBench R23



AMD Ryzen™ 5 6650U

Up to 94% faster

Compared to Intel® Core i5-1145G7

AMD RYZEN™ PRO 6000 SERIES PROCESSORS

COMPETITIVE PERFORMANCE

OFFICE PRODUCTIVITY PERFORMANCE⁴

UL Procyon Office Productivity Overall

AMD Ryzen™ 7 PRO 6850U

Up to 19% higher

Intel® Core i7-1185G7

100%

UL Procyon Excel⁴

AMD Ryzen™ 7 PRO 6850U:



**Up to 17%
higher performance**

Compared to Intel® Core i7-1185G7

UL Procyon Word⁴

AMD Ryzen™ 7 PRO 6850U:

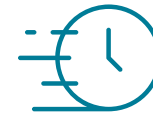


**Up to 30%
higher performance**

Compared to Intel® Core i7-1185G7

UL Procyon PowerPoint⁴

AMD Ryzen™ 7 PRO 6850U:



**Up to 21%
higher performance**

Compared to Intel® Core i7-1185G7

Puget Photoshop Overall⁵

AMD Ryzen™ 7 PRO 6850U:



**Up to 12%
higher performance**

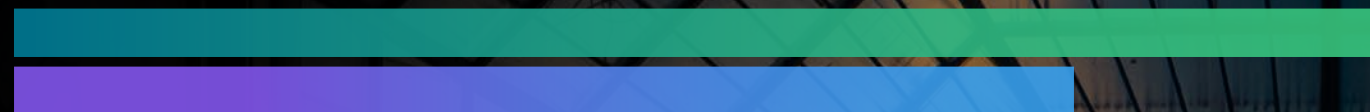
Compared to Intel® Core i7-1185G7

AMD RYZEN™ PRO 6000 SERIES PROCESSORS

GENERATIONAL PERFORMANCE

OVERALL PERFORMANCE⁶

PCMark® 10 Extended



AMD Ryzen™ 7 PRO 6850U
Up to 28% faster

AMD Ryzen™ 7 PRO 5850U

100%

SINGLE-THREADED (1T) PERFORMANCE⁷

CineBench R23



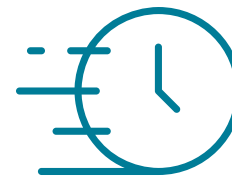
AMD Ryzen™ 7 PRO 6850U

Up to 12% faster

Compared to AMD Ryzen™ 7 PRO 5850U

MULTITHREADED (NT) PERFORMANCE⁷

CineBench R23



AMD Ryzen™ 7 PRO 6850U

Up to 28% faster

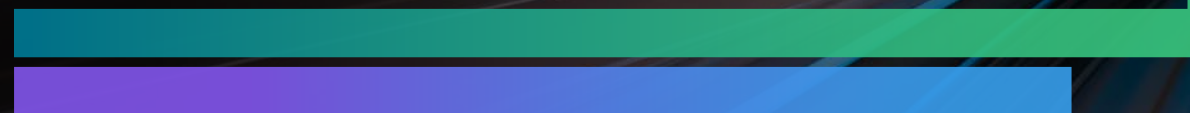
Compared to AMD Ryzen™ 7 PRO 5850U

AMD RYZEN™ PRO 6000 SERIES PROCESSORS

GENERATIONAL PERFORMANCE

OFFICE PRODUCTIVITY PERFORMANCE⁸

UL Procyon Office Productivity Overall



AMD Ryzen™ 7 PRO 6850U

Up to 11% higher

AMD Ryzen™ 7 PRO 5850U

100%

UL Procyon Excel⁸

AMD Ryzen™ 7 PRO 6850U:



**Up to 3%
higher performance**

Compared to AMD Ryzen™ 7 PRO 5850U

UL Procyon Word⁸

AMD Ryzen™ 7 PRO 6850U:



**Up to 25%
higher performance**

Compared to AMD Ryzen™ 7 PRO 5850U

UL Procyon PowerPoint⁸

AMD Ryzen™ 7 PRO 6850U:



**Up to 5%
higher performance**

Compared to AMD Ryzen™ 7 PRO 5850U

Puget Photoshop Overall⁹

AMD Ryzen™ 7 PRO 6850U:



**Up to 15%
higher performance**

Compared to AMD Ryzen™ 7 PRO 5850U

AMD RYZEN™ PRO

GAIN A COMPETITIVE EDGE WITH AMD RYZEN™ PRO PROCESSORS

Maximize the performance of your go-to applications and give your business an edge with the world's most advanced processors.¹ AMD Ryzen™ PRO 6000 Series processors are equipped to support the most modern security and provide the enterprise-grade manageability and reliability features your business needs to succeed.¹⁰

ELEVATING BUSINESS COMPUTING

INCREASE
PRODUCTIVITY

IMPROVE
COLLABORATION

HELP SECURE
SENSITIVE DATA

SIMPLIFY REMOTE
PC MANAGEMENT

LEARN MORE ABOUT AMD RYZEN™ PRO
MOBILE PROCESSORS

¹ Based on node size as of February 2022. GD-203

² Testing as of 12/10/2021 by AMD Performance Labs using PCMark® 10 Benchmark, PCMark®10 Extended, and PCMark® 10 Applications Excel. System configuration for Intel Core i7-1185G7: Dell Latitude 5420, Intel Iris Xe Graphics, 32 GBytes RAM - 1600.0 MHz (DDR4-3200 / PC4-25600), 1TB SSD, Windows 11 Pro. System configuration for Ryzen™ 7 PRO 6850U (15W & 28W): AMD reference motherboard with 4x4GB LPDDR5-6400, Windows 11 Pro, 1TB SSD, AMD Radeon™ 680M graphics, GPU driver 30.0, BIOS TRM0081D. PC manufacturers may vary configurations yielding different results. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. RMP-17

³ Testing as of 12/10/2021 by AMD Performance Labs utilizing Dell Latitude 5420 with Intel® Core i5-1145G7 processor, Intel Iris Xe Graphics, 32 GBytes RAM - 1600.0 MHz (DDR4-3200 / PC4-25600), Samsung SSD 980 PRO 1TB Drive with Windows® 11 Professional build 22000.434 vs. Mayan CRB with AMD Ryzen™ 5 6650U processor, 16GB RAM - 6400, Samsung SSD 980 PRO 1TB Drive, AMD Radeon™ 660M graphics, GPU driver 30.0, BIOS TRM0081D, with Windows® 11 Professional build 22000.282 using the following tests: Cinebench R23 1-thread, Cinebench R23 n-thread, Geekbench v5 Multi-Core, Passmark 10 CPU Mark, PCMark®10 Extended. PC manufacturers may vary configurations yielding different results. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. RMP-08

⁴ Testing as of 12/10/2021 by AMD Performance Labs using UL Procyon Office Productivity Overall, UL Procyon Excel, UL Procyon Powerpoint, and UL Procyon Word. System configuration for Intel Core i7-1185G7: Dell Latitude 5420, Intel Iris Xe Graphics, 32 GBytes RAM - 1600.0 MHz (DDR4-3200 / PC4-25600), 1TB SSD, Windows 11 Pro. System configuration for Ryzen™ 7 PRO 6850U (15W & 28W): AMD reference motherboard with 4x4GB LPDDR5-6400, Windows 11 Pro, 1TB SSD, AMD Radeon 680M graphics, GPU driver 30.0, BIOS TRM0081D. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. RMP-19

⁵ Testing as of 12/10/2021 by AMD Performance Labs using the following tests: PCMark®10 Extended, Puget Photoshop Overall Score, Puget DaVinci Resolve Overall Score, Blender BMW CPU, Blender BMW GPU. System configuration for Intel® Core i7-1185G7 processor: Dell Latitude 5420, Intel Iris Xe Graphics, 32 GBytes RAM - 1600.0 MHz (DDR4-3200 / PC4-25600), 1TB SSD, Windows 11 Pro. System configuration for Ryzen™ 7 PRO 6850U (15W & 28W): AMD reference motherboard with 4x4GB LPDDR5-6400, Windows 11 Pro, 1TB SSD, AMD Radeon™ 680M graphics, GPU driver 30.0, BIOS TRM0081D. PC manufacturers may vary configurations yielding different results. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. RMP-04

⁶ Testing as of 12/10/2021 by AMD Performance Labs using PCMark® 10 Benchmark, PCMark®10 Extended, and PCMark® 10 Applications Excel. System configuration for Ryzen™ 7 5850U (15W): HP ProBook 635 Aero G8 configured with 2x8GB DDR4-3200, Windows 11 Pro, 1TB SSD, AMD Radeon™ Graphics, GPU driver 27.20.21026, BIOS T83. System configuration for Ryzen™ 7 PRO 6850U (15W & 28W): AMD reference motherboard with 4x4GB LPDDR5-6400, Windows 11 Pro, 1TB SSD, AMD Radeon™ 680M graphics, GPU driver 30.0, BIOS TRM0081D. PC manufacturers may vary configurations yielding different results. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. RMP-16

⁷ Testing as of November, 2021 by AMD Performance Labs utilizing HP ProBook 635 Aero G8 with AMD Ryzen™ Pro 7 5850U processor, 16 GBytes RAM - 3200 MHz, Samsung SSD 980 PRO 1TB Drive, AMD Radeon™ Graphics, GPU driver 27.20, with Windows 11 Pro vs. Mayan CRB with AMD Ryzen™ 7 6850U processors (15W) and (28W) each with 16GB RAM - 6400, Samsung SSD 980 PRO 1TB Drive, AMD Radeon™ 680M graphics, GPU driver 30.0, BIOS TRM0081D with Windows 11 Pro using the following tests: Cinebench R23 1-thread, Cinebench R23 n-thread, Geekbench v5 Multi-Core Score, Passmark 10 CPU Mark, PC Mark 10 Benchmark. PC manufacturers may vary configurations yielding different results. Results may vary. RMP-14

⁸ Testing as of 12/10/2021 by AMD Performance Labs using UL Procyon Office Productivity Overall, UL Procyon Excel, UL Procyon Powerpoint, UL Procyon Word. System configuration for Ryzen™ 7 5850U (15W): HP ProBook 635 Aero G8 configured with 2x8GB DDR4-3200, Windows 11 Pro, 1TB SSD, AMD Radeon™ Graphics, GPU driver 27.20.21026, BIOS T83. System configuration for Ryzen™ 7 PRO 6850U (15W & 28W): AMD reference motherboard with 4x4GB LPDDR5-6400, Windows 11 Pro, 1TB SSD, AMD Radeon™ 680M graphics, GPU driver 30.0, BIOS TRM0081D. Results may vary. RMP-18

⁹ Testing as of 12/10/2021 by AMD Performance Labs utilizing HP ProBook 635 Aero G8 with AMD Ryzen™ Pro 7 5850U processor, 16 GBytes RAM - 3200 MHz, Samsung SSD 980 PRO 1TB Drive, AMD Radeon™ Graphics, GPU driver 27.20, with Windows Professional build 22000.282 vs. Mayan CRB with AMD Ryzen™ 7 6850U processor, 16GB RAM - 6400, Samsung SSD 980 PRO 1TB Drive, AMD Radeon™ 680M graphics, GPU driver 30.0, BIOS TRM0081D with Windows Professional build 22000.282 using the following tests: PCMark®10 Extended, Puget Photoshop Overall Score, Puget Adobe Premiere Standard Overall Score, Blender BMW CPU, Blender BMW GPU. PC manufacturers may vary configurations yielding different results. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. RMP-02

¹⁰ 'Most Modern Security' is defined as AMD CPUs with Microsoft Secured-core PC - Modern Security technology enabled by the system manufacturer. Check with your system manufacturer prior to purchase. RMP-20