



# MOVE AT THE SPEED OF MODERN BUSINESS

Upgrading PC Performance for Your Hybrid Workforce

AMD  
**RYZEN**  
PRO



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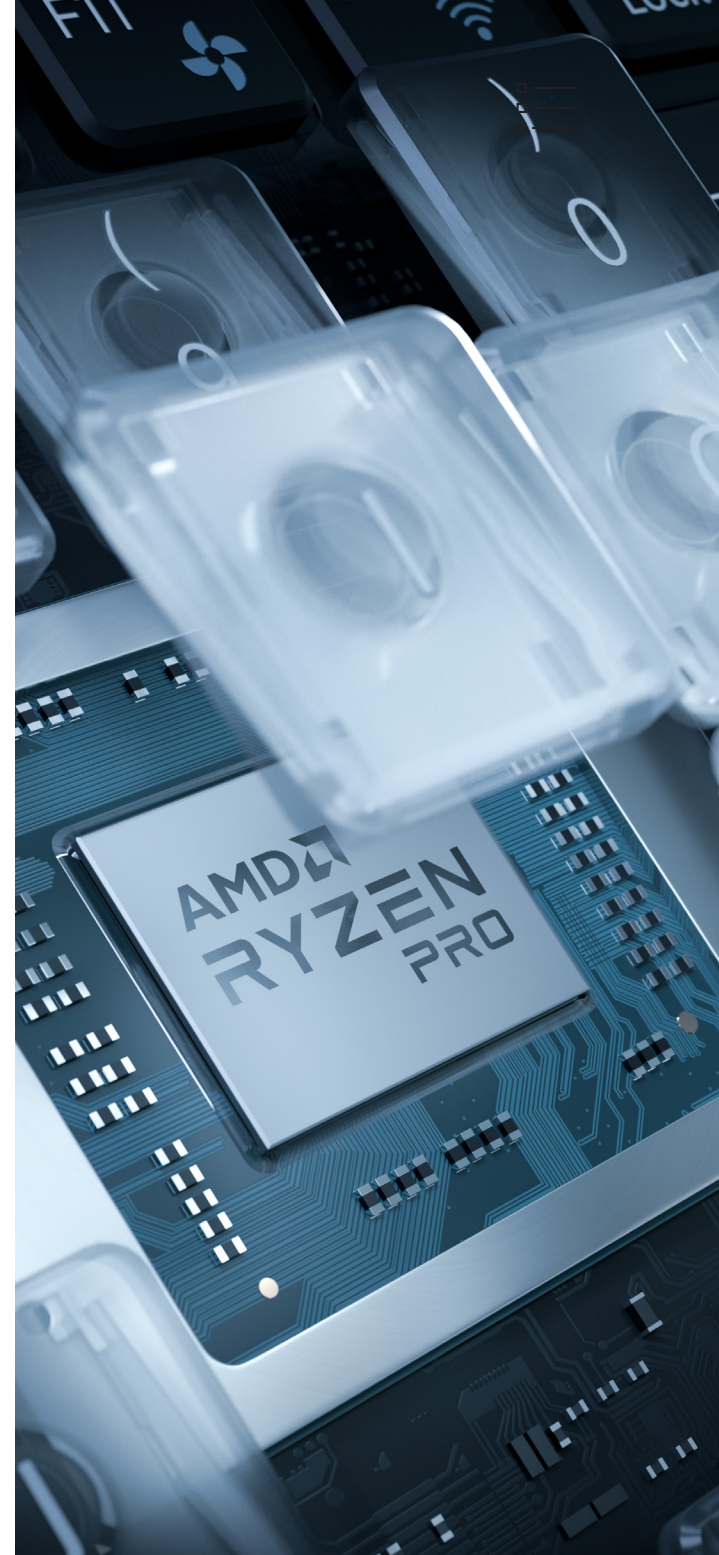
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## WHY NOW

# 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.

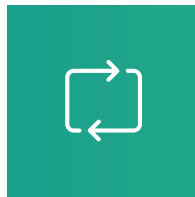
## PUT YOUR PC TO THE TEST

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 safeguard your data from today's sophisticated attacks?

## WHY AMD

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# 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. That's why they're the fastest growing commercial processor brand.<sup>1</sup>

### 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 7nm processor 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 such as PCMark® can help provide insight into how a PC might work for your business.

## BEHIND THE BENCHMARKS: WHAT PCMARK® TESTS

### PCMARK® 10 BENCHMARK

Overall PC performance  
—  
Web browsing, app start-up, video conferencing, Windows 10, and digital content creation

### PCMARK® 10 APPLICATIONS

PC performance with Microsoft Office applications  
—  
Word, Excel, PowerPoint, and Edge

### PCMARK® 10 APP START-UP TIME

PC performance while launching multiple applications  
—  
Simultaneous web browsing, text editing, and photo editing

### PCMARK® 10 PRODUCTIVITY

PC performance with everyday office applications  
—  
General spreadsheets and writing tasks

### PCMARK® 10 DIGITAL CONTENT CREATION

PC performance with digital content and media applications  
—  
Photo and video editing, rendering, and visualization

## MOBILE

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# AMD RYZEN™ PRO MOBILE PROCESSORS

Get the accelerated laptop computing performance essential for today's hybrid workers. The next two pages show how both AMD Ryzen™ 7 PRO and Ryzen™ 5 PRO mobile processors outperform the competition.



## AMD RYZEN™ 7 PRO MOBILE PROCESSORS

### OVERALL PERFORMANCE<sup>2</sup>

PCMark® 10 Benchmark



AMD Ryzen™ 7 PRO 5850U

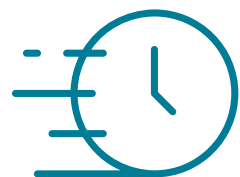
**Up to 22% faster**

Intel Core i7-1185G7

**100%**

### MICROSOFT OFFICE APPLICATIONS<sup>2</sup>

PCMark® 10 Applications



AMD Ryzen™ 7 PRO 5850U

**Up to 7% faster**

Compared to Intel Core i7-1185G7

### APP START-UP<sup>2</sup>

PCMark® 10 App Start-up



AMD Ryzen™ 7 PRO 5850U

**Up to 19% faster**

Compared to Intel Core i7-1185G7

## AMD RYZEN™ 5 PRO MOBILE PROCESSORS

### OVERALL PERFORMANCE<sup>3</sup>

PCMark® 10 Benchmark

AMD Ryzen™ 5 PRO 5650U

**Up to 29% faster**

Intel Core i5-1135G7

**100%**

### MICROSOFT OFFICE APPLICATIONS<sup>3</sup>

PCMark® 10 Applications



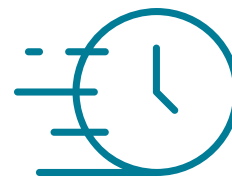
AMD Ryzen™ 5 PRO 5650U

**Up to 8% faster**

Compared to Intel Core i5-1135G7

### APP START-UP<sup>3</sup>

PCMark® 10 App Start-up



AMD Ryzen™ 5 PRO 5650U

**Up to 23% faster**

Compared to Intel Core i5-1135G7



## DESKTOP

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# AMD RYZEN™ PRO DESKTOP PROCESSORS

Power through your most demanding workloads with performance designed for modern business. In the two pages that follow, see how AMD Ryzen™ 7 PRO and AMD Ryzen™ 5 PRO desktop processors blast past competitor CPUs.



## AMD RYZEN™ 7 PRO DESKTOP PROCESSORS

### OVERALL PERFORMANCE<sup>4</sup>

PCMark® 10 Benchmark

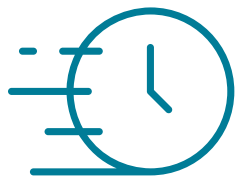


AMD Ryzen™ 7 PRO 5750G  
**Up to 28% faster**

Intel Core i7-11700  
**100%**

### EVERYDAY OFFICE APPLICATIONS<sup>4</sup>

PCMark® 10 Productivity

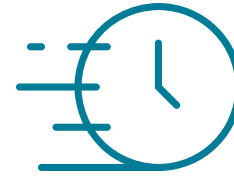


AMD Ryzen™ 7 PRO 5750G  
**Up to 46% faster**

Compared to Intel Core i7-11700

### CONTENT CREATION APPLICATIONS<sup>4</sup>

PCMark® Digital Content Creation



AMD Ryzen™ 7 PRO 5750G  
**Up to 38% faster**

Compared to Intel Core i7-11700

## AMD RYZEN™ 5 PRO DESKTOP PROCESSORS

### OVERALL PERFORMANCE<sup>5</sup>

PCMark® 10 Benchmark



AMD Ryzen™ 5 PRO 5650G

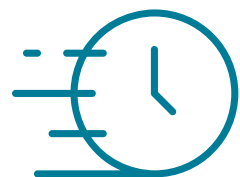
**Up to 27% faster**

Intel i5-11600

**100%**

### EVERYDAY OFFICE APPLICATIONS<sup>5</sup>

PCMark® 10 Productivity



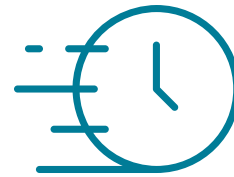
AMD Ryzen™ 5 PRO 5650G

**Up to 43% faster**

Compared to Intel Core i5-11600

### CONTENT CREATION APPLICATIONS<sup>5</sup>

PCMark® Digital Content Creation



AMD Ryzen™ 5 PRO 5650G

**Up to 39% faster**

Compared to Intel Core i5-11600

## 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 AMD Ryzen™ PRO processors. From the world's best mobile CPUs to the world's most advanced desktop CPUs, see why AMD Ryzen™ PRO is the fastest growing commercial processor brand.<sup>6,7,1</sup>

## ELEVATING BUSINESS COMPUTING

INCREASE  
PRODUCTIVITY

IMPROVE  
COLLABORATION

HELP SECURE  
SENSITIVE DATA

SIMPLIFY REMOTE  
PC MANAGEMENT

LEARN MORE ABOUT AMD RYZEN™ PRO  
MOBILE PROCESSORS

LEARN MORE ABOUT AMD RYZEN™ PRO  
DESKTOP PROCESSORS



<sup>1</sup> IDC PC Device Tracker data, 2021Q1, AMD has gained the most share among PC processor vendors for x86 processors for consumer and commercial desktops and notebooks from Q2 2017 through Q1 2021. RNP-1

<sup>2</sup> Testing as of 12/8/2020 by AMD Performance Labs utilizing MSI Prestige 14 Evo with Intel® Core i7-1185G7 processor @ 28W TDP, Intel(R) Iris(R) Xe Graphics, 16 GBytes RAM - 4267 MHz, Kingston Technology SSD Drive with Win Pro vs. AMD Reference Design with Ryzen 7 PRO 5850U mobile processor @ 15W TDP, ATI/AMD Ryzen PRO 5000 Series - Internal GPU , 16GB LPDDR4 RAM - 4266, Samsung 970 Pro 512GB Drive with Win Pro, Using the following tests: PCMark® 10 Benchmark, PCMark® 10 Gimp Cold App Startup (seconds), PCMark® 10 Applications. PC manufacturers may vary configurations yielding different results. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. CZP-16

<sup>3</sup> Testing as of 12/8/2020 by AMD Performance Labs utilizing DELL XPS 13 9310 with Intel® Core i5-1135G7 processor, Intel(R) Iris(R) Xe Graphics, 16 GBytes RAM - 4267 MHz, Micron 2300 NVMe 512GB Drive with Win Pro vs. AMD Reference Design with Ryzen PRO 5000 Series processor, ATI/AMD Ryzen PRO 5000 Series - Internal GPU , 16GB LPDDR4 RAM - 4266, Samsung 970 Pro 512GB Drive with Win Pro, Using the following tests: PCMark® 10 Benchmark, PCMark® 10 Gimp Cold App Startup (TTC) seconds, PCMark® 10 APP Performance Overall , PCMark® 10 App Performance\_Excel, PCMark® 10 App Performance\_Edge, . PC manufacturers may vary configurations yielding different results. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. CZP-08

<sup>4</sup> Testing as of 4/12/2021 by AMD Performance Labs utilizing a system with a Core i7-11700 processor, Intel® UHD Graphics 750, 16GB RAM - 3200, Samsung 970 Pro Drive with Win Pro vs. Reference Design Board with an AMD Ryzen™ 7 5750G processor, Radeon™ Graphics, 16GB RAM - 3200, Samsung 970 Pro Drive with Win Pro Using the following tests: PCMark® 10 Benchmark, PCMark® 10 Productivity Test Group , PCMark® 10 Digital Content Creation Test Group. PC manufacturers may vary configurations yielding different results. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. CPD-10

<sup>5</sup> Testing as of 3/9/2021 by AMD Performance Labs utilizing a system with a Core i5-11600 processor, Intel® UHD Graphics 630, 16GB RAM - 2666, Samsung 970 Pro Drive with Win Pro vs. Reference Design with an AMD Ryzen™ 5 5650G processor, Radeon™ Graphics, 16GB RAM - 3200, Samsung 970 Pro Drive with Win Pro Using the following tests: PCMark® 10 Benchmark, PCMark® 10 Productivity Test Group , PCMark® 10 Digital Content Creation Test Group. Results may vary. PCMark® is a registered trademark of Futuremark Corporation. CPD-11

<sup>6</sup> Best Mobile Processors for business' is defined as having the highest multi-thread processing performance in each of three (3) classes of Ryzen PRO 5000 series processors. Testing by AMD engineering using the Cinebench R20 nT benchmark, measuring multithreaded performance of a Ryzen 7 PRO 5850U processor engineering sample vs Core i7-1185G7 processor, the Ryzen 5 PRO 5650U processor engineering sample vs Core i5-1135G7 processor, and a Ryzen 3 PRO 5450U processor engineering sample vs Core i3-1115G4 processor. Performance may vary. CZP-17

<sup>7</sup> As of March 2021, the Ryzen PRO 5000 series mobile processors are the "Most advanced mobile processors," defined as the only x86 mobile processors to use superior 7nm manufacturing technology on a small node. CZP-40