

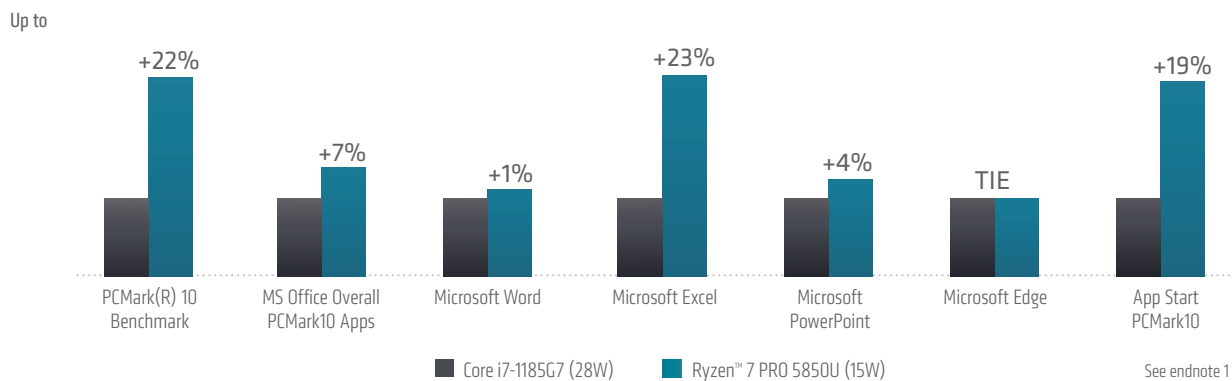


AMD RYZEN™ PRO 5000 SERIES MOBILE PROCESSORS ELEVATING BUSINESS COMPUTING



Professional laptops powered by AMD Ryzen™ PRO 5000 Series Processors with new “Zen 3” architecture offer amazing performance for productivity and remote collaboration, plus the best battery life ever available from AMD processor powered professional notebooks.

POWERHOUSE PERFORMANCE FOR THE OFFICE



ACCELERATING REAL WORLD PRODUCTIVITY

In a comprehensive test reflecting multiple common office workloads, AMD Ryzen™ PRO 5000 Series Mobile Processors deliver up to 9% faster performance vs the competition.

General commercial workloads

- ✓ JavaScript
- ✓ File Compression
- ✓ Antivirus Scanning
- ✓ Open Multiple PDFs
- ✓ Local Video playback

Microsoft Office

- ✓ Excel
- ✓ Word
- ✓ PowerPoint

Microsoft Edge Browser

- ✓ Multiple Tabs
- ✓ Web Video



With 8 high-performance cores, Ryzen™ 7 PRO 5850U mobile processors delivers

UP TO 10% FASTER PERFORMANCE
using MS Office apps while running Zoom conference.

(compared to Intel i7-1185G7)

49 participant Zoom Call



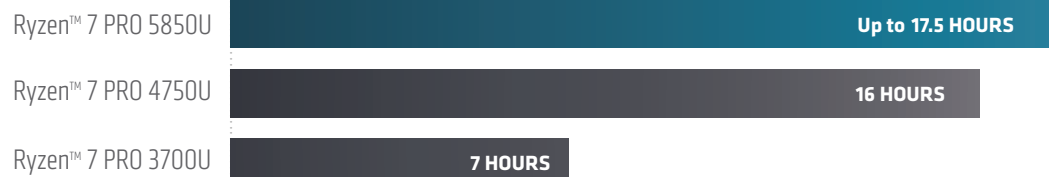
PCMark 10 Applications Overall



See endnote 2

UNCOMPROMISING PORTABILITY

MobileMark® 18 Battery Life - General Usage Computing



See endnote 3



THE MOST MODERN SECURITY

AMD PRO security provides innovative layers of defense at the silicon, OS, and platform levels to give IT teams comprehensive security features for the entire system.

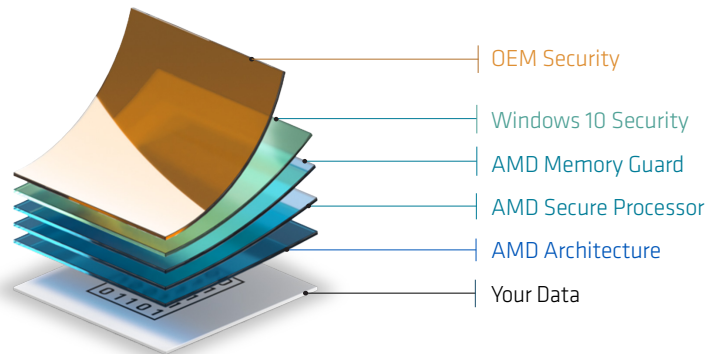
AVAILABLE IN AMD RYZEN™ PRO 5000 SERIES

AMD Shadow Stack
delivers a robust security approach to help add protection against control-flow attacks.

FIPS 140-3 Certification
Government encryption standard adopted by private sector as best practice for validating the security of cryptographic module.

Secured core PC
Deep integration with Microsoft and OEMs to support secure Windows PCs.

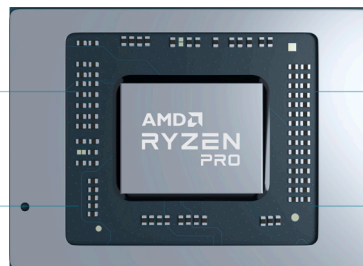
FIPS 140-3 Implementation Under Test



BUILT FOR PROFESSIONALS

"Zen 3" architecture delivers higher frequencies and higher instructions per clock vs previous generation

The only high performance 8-Core x86 CPU



Refined 7nm process technology delivers leadership performance and uncompromising battery life

AMD PRO technologies:
AMD PRO security
AMD PRO manageability
AMD PRO business ready

AMD RYZEN™ PRO 5000 SERIES VS COMPETITION

AMD RYZEN PRO	CORES/ THREADS	PROCESS	L2 + L3 CACHE	TDP	AMD PRO TECHNOLOGIES
Ryzen™ 7 PRO 5850U	8/16	7nm	20 MB	15W	✓
Ryzen™ 5 PRO 5650U	6/12	7nm	19 MB	15W	✓
Ryzen™ 3 PRO 5450U	4/8	7nm	10 MB	15W	✓

INTEL vPRO	CORES/ THREADS	PROCESS	CACHE	TDP	vPRO
i7-1185G7	4/8	10nm	17 MB	28W	✓
i5-1145G7	4/8	10nm	13 MB	28W	✓

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To find out more about AMD Ryzen™ PRO Processors, please visit www.AMD.com/pro

1. 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
2. Based on internal AMD performance testing using an AMD productivity script across a variety of applications and activities a commercial PC user is likely to encounter during the workday, including Microsoft Office, web browsing, Java script, file compression, virus scanning, PDF, and video applications. Testing as of 02/02/21 utilizing an MSI Prestige 14 Evo with Intel® Core i7-1185G7 processor @ 28W TDP, Intel Xe Graphics, 16 GBytes 4267 MHz RAM, Kingston Technology SSD Drive, and Windows 10 Pro vs. a Lenovo ThinkPad L15 Gen 2 with Ryzen 7 PRO 5850U mobile processor @ 15W TDP, AMD Radeon Graphics, 2x8 GB 3200 MHz RAM, Samsung 256GB SSD, and Windows 10 Pro. PC manufacturers may vary configurations yielding different results. Results may vary. CZP-23
3. Testing as of 02/02/21 utilizing an MSI Prestige 14 Evo with Intel® Core i7-1185G7 processor, Intel Xe Graphics, 16 GBytes 4267 MHz RAM, Kingston Technology SSD Drive, and Windows 10 Pro vs. a Lenovo ThinkPad L14 Gen 2 with Ryzen 7 PRO 5850U mobile processor, AMD Radeon Graphics, 2x16 GB 3200 MHz RAM, Western Digital SN730 NVMe SSD, and Windows 10 Pro with the PCMark 10 Applications test while running a 49 participant Zoom call. PC manufacturers may vary configurations yielding different results. Results may vary. CZP-24
4. Testing by AMD Performance Labs as of 12/08/2020 using an AMD Ryzen 7 5800U processor on an AMD Reference Platform configured with a 53Whr battery, WLAN enabled and Bluetooth off, using 1080p video playback (result: up to 21.4 hours) and the MobileMark 2018 benchmark test (result: up to 17.5 hours). See www.bapco.com for additional information. CZM-33
5. Testing by AMD performance labs as of 09/01/2020. IPC evaluated with a selection of 25 workloads running at a locked 4GHz frequency on 8-core "Zen 2" Ryzen 7 3800XT and "Zen 3" Ryzen 7 5800X desktop processors configured with Windows® 10, NVIDIA GeForce RTX 2080 Ti (451.77), Samsung 970 Pro SSD, and 2x8GB DDR4-3600. Results may vary. R5K-003
6. Ryzen PRO 5000 series mobile processors will offer up to 8 cores. As of January 2021, this is the most number of cores offered on an AMD or Intel mobile processor for thin and light business notebooks (15W - 28W TDP range). High performance defined as a CPU core designed to favor performance compared to low performance cores that favor power efficiency. CZP-19
- 6.'Most Modern Security' is defined as AMD CPUs with Microsoft Secured-Core PC - Modern Security technology enabled by the system manufacturer. CZP-22

"Zen 3" is a codename only and not an AMD product name.

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