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**

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

**ACCELERATING REAL WORLD PRODUCTIVITY**

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.

![](image)

**UNCOMPROMISING PORTABILITY**

MobileMark® 18 Battery Life - General Usage Computing

<table>
<thead>
<tr>
<th>Processor</th>
<th>Battery Life (HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ryzen™ 7 PRO 5850U</td>
<td>Up to 17.5</td>
</tr>
<tr>
<td>Ryzen™ 7 PRO 4750U</td>
<td>16</td>
</tr>
<tr>
<td>Ryzen™ 7 PRO 3700U</td>
<td>7</td>
</tr>
</tbody>
</table>

See endnote 1

See endnote 2

See endnote 3
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.

**THE MOST MODERN SECURITY**

“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**

<table>
<thead>
<tr>
<th>CORES/ THREADS</th>
<th>PROCESS</th>
<th>L2 + L3 CACHE</th>
<th>TDP</th>
<th>AMD PRO TECHNOLOGIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ryzen™ 7 PRO 5850U</td>
<td>8/16</td>
<td>7nm</td>
<td>20 MB</td>
<td>15W</td>
</tr>
<tr>
<td>Ryzen™ 5 PRO 5650U</td>
<td>6/12</td>
<td>7nm</td>
<td>13 MB</td>
<td>15W</td>
</tr>
<tr>
<td>Ryzen™ 3 PRO 5450U</td>
<td>4/8</td>
<td>7nm</td>
<td>10 MB</td>
<td>15W</td>
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</table>

**INTEL vPRO**

<table>
<thead>
<tr>
<th>CORES/ THREADS</th>
<th>PROCESS</th>
<th>CACHE</th>
<th>TDP</th>
<th>vPRO</th>
</tr>
</thead>
<tbody>
<tr>
<td>i7-1185G7</td>
<td>4/8</td>
<td>10nm</td>
<td>17 MB</td>
<td>28W</td>
</tr>
<tr>
<td>i5-1145G7</td>
<td>4/8</td>
<td>10nm</td>
<td>13 MB</td>
<td>28W</td>
</tr>
</tbody>
</table>

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- Your source for tools, training, news, reviews, and much more!

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 Ryzen 7 PRO 5850U mobile processor @ 15W TDP; AMD Ryzen PRO 5000 Series - Internal CPU, 16GB L DDR4 RAM - 4266, Samsung-970 Pro 512GB Drive with Win Pro. Using the following tests: PCMark® 10 Benchmark, PCMark® 10 Compat App Start (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 compression, virus scanning, PDF, and video applications. Testing as of 02/22/21 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 9 5900HX processor, AMD Radeon Graphics, 16 GBytes RAM, Samsung 960-Pro NVMe SSD, and Windows 10 Pro. PC manufacturers may vary configurations yielding different results. Results may vary. CZP-23.

3. Testing by AMD Performance Labs as of 12/8/2020 using an AMD Ryzen 7 5850U processor on an AMD Reference Platform configured with a 53Wh 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. 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 Secure Core – 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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