intel.

11th Gen Intel® Core™ vPro® Processors

Built for Business. Wherever Business Happens.

The 11th Gen Intel vPro® platform is powered by the world's best business processor,[1] empowering modern small and medium-size businesses (SMBs) to meet the evolving performance, security, manageability, and stability needs of their employees — from IT to end user.

The Business World Is Changing Faster Than Ever

With the rise of a remote workforce, businesses need modern, professional-grade technologies designed to help them connect, collaborate, and conduct business from anywhere.

84% of business owners rely on video conferencing technology for face-to-face interactions in our COVID-19 world.[2]

57% of SMBs plan to adopt long-term remote work options, which means working from home is here to stay.[3]

60% of SMBs' most vulnerable endpoints are their laptops and mobile devices.[4]

+10% increase in cybersecurity and collaboration spending is expected from SMBs through 2021.[5]

Today's businesses need technology that's modern, efficient, and cost effective.

In addition to having resource constraints, SMBs are facing new operational challenges, having to quickly transition their employees to a more sustainable remote work environment.

- **Supporting end user experiences and PC performance** without disrupting productivity
- **Securing employee devices** often outside the corporate firewall and on different networks
- **Managing devices** when updates, patching, troubleshooting, and refreshes are required

When IT resources better support the remote workforce, businesses can minimize downtime, make the most of their IT investment, and provide employees with a seamless workflow.

The Intel vPro® platform powers amazing experiences for IT and end users alike.

Business PCs and devices powered by the Intel vPro® platform — from laptops to digital signage, IoT devices, and more — can help businesses of all sizes improve productivity, maximize day-to-day operational efficiency, and deliver more stress-free work days.

Advantages of 11th Gen Intel® Core™ vPro® Processors

Groundbreaking Performance & Collaboration

The 11th Gen Intel vPro® platform delivers the world's best productivity for business,[1] along with an impressive leap in performance, powerful graphics, and superior connectivity that help your workforce get more done and do more amazing work — wherever work happens.

- Your workforce — no matter where they work — can get more done thanks to the power of **Intel® Iris® X^e graphics** that deliver stunning creation and graphics capabilities for immersive work experiences.
- **Intel® Thunderbolt™ 4 technology** offers just one connection for reliable notebook charging and multiple monitors, letting workers be more productive with content on a large screen and seamlessly connecting to accessories and peripherals.
- Be ready for the future of **AI on PCs**. 11th Gen Intel® Core™ vPro® processors are designed to dramatically accelerate the future of AI-enhanced applications and workflows, with up to 8x better AI performance vs. 8th Gen Intel® Core™ vPro® i7-8650U processors.[8]
- **Intel® Optane™ memory H20 with SSD** enhances the unique advantage of the Intel platform by delivering a new level of performance and large storage capacity options. Compared to its predecessor, the Intel® Optane™ memory H20 with SSD delivers gen-over-gen performance benefits, lower power, and support for Intel® Stable IT Platform Program.
- **Intel® Wi-Fi 6/6E (Gig+)** provides the best Wi-Fi technology for video conferencing[6] — offering faster speeds, ultra reliable connectivity, and great wireless experiences that allow employees to collaborate anywhere seamlessly.[7]

Comprehensive Security Features

Cyberattacks can come from anywhere. Intel® Hardware Shield, available exclusively on the 11th Gen Intel vPro® platform, provides the world's most comprehensive hardware-based security for business.[9] It provides security capabilities and features that help with above- and below-the-OS security, app and data protection, and advanced threat detection to deliver an enhanced, foundational layer of PC protection right out of the box.

Intel® Hardware Shield helps defend the work-from-everywhere workforce from sophisticated attacks, provide peace of mind for IT, and deliver enhanced data and device protection for your business by:

- Equipping your PC with the industry's only silicon-enabled AI threat detection to stop ransomware and cryptomining attacks.[10]
- Leveraging remote manageability features to allow for remote remediation in the event of a security breach.
- Deploying ground-breaking technology to help shut down an entire class of attacks that long evaded software-only solutions.[11]

Leading Remote Manageability & Stability

Empower your IT teams to focus on driving business productivity with modern remote manageability tools that help save time and money — and keep your business PC fleet up and running from anywhere.

- Improve your IT team's performance with cloud-based PC fleet remote manageability from **Intel® Active Management Technology (Intel® AMT)** with **Intel® Endpoint Management Assistant (Intel® EMA)**, the only wireless solution for remote manageability for business.[12]
- **Remote Secure Erase**, part of the Intel® Active Management Technology and Intel® EMA suite, allows IT administrators to remotely wipe the hard disk of an end user device.
- **Intel® Stable IT Platform Program (Intel® SIPP)** is an extensive validated platform that helps transition and upgrade end user systems with assured quality and performance and no anticipated hardware changes for at least 15 months.

The Intel® Evo™ vPro® Platform

Built for what IT needs and what end users want.

The Intel® Evo™ vPro® platform offers the best thin and light laptop experience for business.[13] These premium designs are verified for:

- **+40% improved responsiveness** — vs. a 3-year-old premium laptop on battery[14]
- **Significant responsiveness gains** — vs. a 3-year-old premium laptop on battery[14]
- **Instant wake** — <1 second
- **Real-world battery life** — 9+ hours of use on laptops with FHD displays[15]
- **Fast charging** — 4+ hours of battery life in a 30-minute charge on laptops with FHD displays[16]
- **Best-in-class wired and wireless connectivity**[17]

Better PC Experiences Start Here

with 11th Gen Intel® Core™ vPro® Processors

intel vPRO PLATFORM — BUILT FOR BUSINESS

Learn more about the built-for-business Intel vPro® platform

Explore the 11th Gen Intel® Core™ vPro® processors

Discover the Intel® Evo™ vPro® platform

Learn more about Intel® Iris® X^e graphics

Notices and Disclaimers

1 In thin & light Windows-based devices, based on unique features and performance testing (as of December 1, 2020) on industry benchmarks and Representative Usage Guides across 3 key usages: productivity, creation, and collaboration of Intel® Core™ vPro® i7-1185G7, including in comparison to AMD Ryzen 7 Pro 4750U. Visit www.intel.com/11thgenvpro for details. Results may vary.

2 Intermedia, New Study Finds More Than Half of U.S. SMB Owners Believe Working Remotely is Here to Stay Post-Pandemic, May 2020.

3 Small Business Trends, 57% of Small Business Owners Believe Remote Work Will Continue After Stay-at-Home Orders Lifted, May 2020.

4 Ponemon, 2019 Global State of Cybersecurity in Small and Medium-Sized Businesses, October 2019.

5 Analysys Mason, The Impact of COVID-19 on SMB IT Demand, May 2020.

6 For more information about the data presented, visit www.intel.com/wifi6disclaimers. For workloads and configurations visit www.intel.com/PerformanceIndex. Results may vary.

7 See www.intel.com/PerformanceIndex (connectivity). Results may vary.

8 As measured by MLPerf v0.7 Inference, Mobile Notebooks, Closed Division with Offline Scenario using OpenVINO 2021.1 Pre framework on MobileNetEdge model int8 GPU (Batch=16) on 11th Gen Intel® Core™ i7-1185G7 processor vs highest attainable MLPerf v0.7 Inference, Mobile Notebooks, Closed Division with Offline Scenario using OpenVINO 2021.1 Pre framework on MobileNetEdge model int8 GPU (Batch=1) on 8th Gen Intel® Core™ vPro® i7-8650U processor. For workloads and configurations visit www.intel.com/PerformanceIndex. Results may vary.

9 In thin & light Windows-based devices, based on unique features and testing by IOActive (commissioned by Intel; as of December 2020) comparing Intel® Hardware Shield security capabilities with corresponding technologies in an AMD Ryzen Pro 4750U-based system. Visit www.intel.com/11thgenvpro for details. Results may vary.

10 In thin & light Windows-based PCs, based on December 2020 IOActive study (commissioned by Intel) comparing malware detection by 11th Gen Intel® Core™ vPro® platform with Intel® TDT and AMD Ryzen Pro 4750U-based system. Visit www.intel.com/11thgenvpro for details on Intel's industry-leading CPU behavior monitoring technology. Results may vary.

11 Intel® Control-flow Enforcement Technology (Intel® CET) is designed to help protect against jump/call-oriented programming (JOP/COP) attack methods and return-oriented programming (ROP) attack methods, malware known as memory safety issues and which comprise over half of ZDI-disclosed vulnerabilities. Visit www.intel.com/11thgenvpro for details. Results may vary.

12 As measured by December 2020 IOActive study (commissioned by Intel) of in-band software-based remote management functions; out-of-band hardware-based remote management functions; and cloud-based support in thin & light Windows-based PCs. Intel® AMT requires a network connection; must be a known network for Wi-Fi out-of-band management. Learn more at www.intel.com/11thgenvpro. Results may vary.

13 In thin & light Windows-based devices, based on 1) unique features and performance testing on industry benchmarks and Representative Usage Guides across 3 key usages: productivity, creation, and collaboration, comparing Intel® Core™ vPro® i7-1185G7 to AMD Ryzen 7 Pro 4750U and 2) an IOActive study (commissioned by Intel) comparing Intel® Hardware Shield security capabilities on 11th Gen Intel® Core™ vPro® processors with corresponding competitor technologies. All testing as of December 2020. Intel® Evo™ vPro® designs are co-engineered as part of Intel's comprehensive laptop innovation program Project Athena then tested, measured, and verified against a premium specification and key experience indicators to ensure unparalleled user experiences. Visit www.intel.com/11thgenvpro for details. Results may vary.

14 Measured average responsiveness of premium Windows OS-based designs while performing typical workflows in a realistic environment, compared to 3-year-old premium design. Visit www.intel.com/11thgenvpro for details. Results may vary.

15 Time taken to drain from 100% to critical battery level while performing typical workflows in a realistic environment. Visit www.intel.com/11thgenvpro for details. Results may vary.

16 Charge attained from OEM-default shutdown level. Visit www.intel.com/11thgenvpro for details. Results may vary.

17 Best in class wireless and wired connectivity. Based on integrated Intel® Wi-Fi 6 (Gig+) and Thunderbolt™ 4 technology. For more complete information about performance and benchmark results, visit www.intel.com/11thgen. For workloads and configurations visit www.intel.com/PerformanceIndex. Results may vary.

Performance varies by use, configuration and other factors. Learn more at www.intel.com/PerformanceIndex or your Intel representative.

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. No product or component can be absolutely secure.

Your costs and results may vary.

Intel technologies may require enabled hardware, software or service activation.

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See configuration disclosure for details. No product or component can be absolutely secure.

Certain features are not available on all SKUs.

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