intel®

The Intel® Evo™ vPro® Platform

Built for What IT Needs and What Users Want

The Intel® Evo™ vPro® Platform

The best thin and light laptop experience for business,[1] Intel® Evo™ vPro® platform-based laptops are designed with the 11th Gen Intel vPro® platform that delivers the highest performance and most comprehensive hardware-based security,[2] superior remote manageability, and PC fleet stability. Alongside innovative designs, remarkable responsiveness, and an amazing visual experience, the Intel® Evo™ vPro® platform — powered by 11th Gen Intel® Core™ vPro® processors and made possible by the Project Athena innovation program — combines the best of the Intel vPro® platform and Intel® Evo™ platform laptop designs into one best-in-class, premium business PC experience.

See backup for configuration details. For more complete information about performance and benchmark results, visit www.intel.com/benchmarks.

Business PC Needs Are Evolving

The evolving workforce has different needs and demands than it did 10 years, 5 years, or even 1 year ago, and it will likely continue to be partially or completely remote. Enterprise IT departments are also experiencing a major and far-reaching shift in their technology requirements — and it's happening faster than ever before.

Flexibility, superior manageability, hardware-based security, and unparalleled performance and collaboration capabilities are all crucial to meeting the evolving needs of IT and empowering employee productivity in this new work-from-everywhere world.

300%
increase in remote work from pre-COVID-19 levels[3]

66% ⬆
increase in IT spending on hardware since the beginning of 2020[4]

30%
of firms will increase their spending on cloud, security and risk, networks, and mobility[5]

4%
projected growth in worldwide IT spending in 2021[6]

$8.19M USD
is the estimated average cost of a security breach[7]

85%
of ITDMs noted that their leadership understands the link between PC refresh, employee experience, and productivity[8]

The Intel® Evo™ vPro® Platform Advantage

Powered by 11th Gen Intel® Core™ vPro® processors

The Intel® Evo™ vPro® platform, powered by 11th Gen Intel® Core™ vPro® processors, provides the modern workforce with the highest performance and most comprehensive hardware-based security[2] they need to stay productive in one validated solution. Made possible by the Project Athena innovation program, the Intel® Evo™ vPro® platform is transforming IT and user experiences to better support modern businesses.

The Intel® Evo™ vPro® platform was designed with highly mobile workers in mind. It delivers the benefits of the Intel vPro® platform — groundbreaking performance, comprehensive security features, leading business-class remote manageability, and PC fleet stability — and Intel® Evo™ platform verified designs, including remarkable responsiveness, long battery life, and best-in-class wireless and wired connectivity.[9] This new class of stylish, thin and light laptops remove lag, distractions, and dependency on battery chargers, and are built for what IT needs and what users want.

The Intel vPro® Platform, powered by 11th Gen Intel® Core™ vPro® processors, provides what IT needs:

Groundbreaking performance that powers amazing business experiences.

Built-in security features that help deliver comprehensive protection.

Remote manageability that helps improve IT performance and end-user support.

Reliable stability that helps manage PC lifecycle complexities.

Intel® Evo™ platform-verified designs deliver premium experiences tuned to what users want:

Improved responsiveness that empowers users to work their way, with minimal disruptions.

Long battery life and fast charging that meets users' real-world demands.

Instant wake that keeps users ready to go.

Ready-when-you-are connectivity that enables productivity from anywhere.

See backup for workloads and configurations. Results may vary.

The Intel vPro® Platform Meets IT Needs

This innovative PC platform is built to deliver the world's best productivity for business[10]

Groundbreaking Performance & Collaboration

The 11th Gen Intel vPro® platform delivers the world's best business collaboration[11] with impressive leaps in performance. Together with superior connectivity and powerful graphics, these processors deliver amazing real-world business experiences for IT and employees, wherever work happens.

Empower your workforce to get more done — no matter where they work — thanks to the stunning creation and graphics capabilities of **Intel® Iris® X^e graphics**.

Integrated **Thunderbolt™ 4 technology** offers just one connection for reliable notebook charging, enabling workers to view content on a large screen and seamlessly connect to accessories and peripherals.

Intel® Optane™ memory H20 with SSD (optional) empowers your workforce to do more and enhances productivity by delivering gen-over-gen performance improvements, lower power usage, and support for Intel® Stable IT Platform Program.

Intel® Wi-Fi 6/6E (Gig+) provides the best Wi-Fi technology for video conferencing[12] — offering faster speeds, ultra reliable connectivity and great wireless experiences that allow employees to seamlessly collaborate anywhere.

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 Processor).[13]

Comprehensive Security Features

Intel® Hardware Shield, available exclusively on the Intel vPro® platform, provides comprehensive hardware-based security features for business. With above- and below-the-OS security, app and data security, and advanced threat detection, businesses can focus on what is important.

Equip your PC with the industry's **only silicon-enabled AI threat detection** to help stop ransomware and cryptomining attacks.[14]

Deploy groundbreaking technology to help **shut down an entire class of attacks** that long evaded software-only solutions.[15]

Leading Remote Manageability & Stability

The leading remote manageability and stability tools of the Intel vPro® platform, powered by 11th Gen Intel® Core™ vPro® processors, enhance your IT team's capabilities by allowing them to access, maintain, and restore devices remotely while enabling patching and maintenance from anywhere with minimal disruption to user workflows.

The Intel vPro® platform is supported across a multitude of digital devices — from laptops to digital signage, IoT devices, and more — to give you more control over the devices your business depends on.

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.[16]

Intel® Active Management Technology is the only solution with remote remediation to return your PCs to a known good state, no matter where your employees are working — even when the OS is down.[17]

Ensure optimal device stability and reliability for all users with **Intel® Stable IT Platform Program (Intel® SIPP)**, a validated platform that helps transition and upgrade end user systems with assured quality and performance without putting additional strain on IT resources.

Trusted for more than 14 years, the Intel vPro® platform is an innovative platform that helps improve product lifecycles and delivers what your business needs to thrive, right out of the box.

See backup for configuration details. For more complete information about performance and benchmark results, visit www.intel.com/benchmarks.

The Intel® Evo™ vPro® Platform Delivers What Users Want

Do more with the best thin and light laptop experience for business[18]

Improved Responsiveness

Intel® Evo™ vPro® platform-based laptops deliver ready and reliable responsiveness to help take employee productivity and performance to the next level by creating exceptional laptop experiences that can be relied upon.

Discover what it means to be — and stay — in the productivity zone with **40% more responsiveness** on average than a 3-year-old premium business laptop while on battery.[19]

Transform employee workflows with **significant responsiveness gains** (compared to a 3-year-old premium business laptop on battery) that allow them to focus on work with devices that can keep up with the pace of modern business.[20]

Improved components and **AI-enhanced applications** can utilize the latest Intel vPro® processors to accelerate workflows and improve end user productivity.

Long Battery Life

Engineered for long battery life that keeps devices going with enough power for video conferencing over webcam, on-the-go multitasking, HD audio, and other real-world user demands, Intel® Evo™ vPro® platform-based laptops keep employees up and running longer without dependency on battery chargers, and power employee productivity anywhere through the workday and beyond.

Take advantage of **4 or more hours of real-world battery life** in a 30-minute charge on laptops with FHD displays.[21]

Work seamlessly with **9 or more hours of real-world battery life** on systems with FHD displays.[22]

Instant Wake

Help your employees go about their days with the instant wake capabilities of Intel® Evo™ vPro® platform-based laptops. Waking from sleep in less than one second, these stylish, thin and light laptops are designed to deliver a premium laptop experience that's up and running whenever the user is.

Engineered to remove lag and **enable greater focus for an exceptional laptop experience**.

Allows employees to pause, pivot, and pick up right where they left off **with minimal interruption**.

Ready-When-You-Are Connectivity

With the ready-to-go connectivity of **Intel® Wi-Fi 6/6E (Gig+) 802.11ax**, the reliability of Thunderbolt™ 4 connectors, and the responsiveness of Intel® Optane™ memory H20 with SSD integrated into the Intel vPro® Platform, Intel® Evo™ vPro® platform-based laptops empower your highly mobile workforce to stay connected and ready for anything.

Enable your workforce to connect and collaborate seamlessly in real-time with **best-in-class wireless and wired connectivity**.[23]

Improve the quality of video conferencing for easier, clearer collaboration with **advanced audio capabilities** powered by digital microphones, high fidelity speakers, Bluetooth 5, and Intel® Smart Sound Technology.

Integrated Thunderbolt™ 4 technology provides one universal computer port that delivers the fastest, simplest, and most reliable cable solution to any dock, display, or data device.[24]

> The Intel® Evo™ vPro® platform is a validated solution, combining the premium IT and security features of the Intel vPro® platform with the performance and designs of Intel® Evo™ verified laptops. The innovation behind both the 11th Gen Intel vPro® platform and Project Athena make the Intel® Evo™ vPro® platform-based laptops the best thin and light business laptops for getting things done.[25]

See backup for configuration details. For more complete information about performance and benchmark results, visit www.intel.com/benchmarks.

Deliver What IT Needs and Users Want

with the Intel® Evo™ vPro® platform-based laptops

Learn more about the Intel® Evo™ vPro® platform:
intel.com/vpro

intel.

Notices and Disclaimers

[1] 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. unparalleled user experiences. Visit www.intel.com/11thgenvpro for details. Results may vary.

[2] 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. Visit www.intel.com/11thgenvpro for details Results may vary.

[3] Forrester, Predictions 2021: Technology And Customer Obsession Help Firms Emerge From Crisis Mode, October 2020

[4] Snow Software, 2021 IT Priorities Report, October 2020

[5] Forrester Research, Forrester Predictions 2021, October 2020

[6] Gartner, Gartner Says Worldwide IT Spending to Grow 4% in 2021, October 2020

[7] IBM, Cost of a Data Breach Report 2020, July 2020

[8] Forrester, How PCs Will Drive the Future of Work, January 2020

[9] 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.

[10, 11] 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 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.

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

[13] 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.

[14] 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.

[15] 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.

[16, 17] 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. AMT requires a network connection; must be a known network for WiFi out-of-band management. Learn more at www.intel.com/11thgenvpro. Results may vary.

[18] 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.

[19] 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.

[20] 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.

[21] 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.

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

[23] 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.

[24] As compared to other PC I/O connection technologies including eSATA, USB, and IEEE 1394 Firewire*. Performance will vary depending on the specific hardware and software used. Must use a Thunderbolt-enabled device.

[25] 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.

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