

# 10 reasons why the Intel vPro® platform is an unrivaled platform for business



Business-class performance, comprehensive hardware-based security features, and optimal experiences for small and medium-size businesses

## Processors & form factors



**11th Gen Intel® Core™ vPro® processors** for business-class notebooks and desktops, and high-performance business-class notebooks



**Intel® Xeon® W-1300 processors** for entry desktop workstations



**Intel® Xeon® W-11000 processors** for mobile workstations



**NEW! Up to 11% better gen-over-gen overall application performance** to help your workforce to take on demanding workloads through the improved **11th Gen processor core architecture**.<sup>1</sup>



**NEW! Up to 80% better gen-over-gen AI** for more intelligent and personalized business PC experiences that help employees get more done thanks to **Intel® Deep Learning Boost**.<sup>3</sup>



**NEW! 50% less bandwidth usage for superior video calling\***, more immersive graphics, and built-in support for high-res multi-monitor setups — powered by **Intel® Xe graphics architecture**.<sup>2</sup>



**EXPANDED Comprehensive, hardware-based security features you and your team can depend on** with advanced threat detection\*\*, application and data protection\*\*, and below-the-OS security from **Intel® Hardware Shield**, available exclusively on the Intel vPro® platform.



**NEW! Up to 6X faster speeds at the office (and nearly 3X faster speeds at home)** vs. standard Wi-Fi 5 with Intel® Wi-Fi 6/6E (Gig+) — the biggest advancement in Wi-Fi technology in the last 20 years.<sup>2</sup>



**EXPANDED Intel® Active Management Technology (Intel® AMT)\*\*\*** with cloud-ready **Intel® Endpoint Management Assistant** lets even a small-but-mighty IT team of one securely access, patch, repair, and maintain your PC fleet from anywhere with minimal disruption to user workflows.



**NEW! 8X faster data transfer with Intel Thunderbolt™ 4 technology** compared to standard USB 3.0<sup>2</sup> allows employees to quickly charge their devices, power multiple displays, and connect with a single, universal port.



**Intel® Stable IT Platform Program (Intel® SIPP)\*\*\*\*** ensures optimal device stability and reliability for your employee's business PCs. Intel® SIPP aims for zero hardware changes for at least 15 months or until the next generational release to help you make the most of your IT budget.



**NEW! Intel® Optane™ H20 memory with SSD** offers gen-over-gen improvements to responsiveness, performance, and power consumption for lightning-fast multitasking your employees will notice and appreciate.



**Up to 99% of soft memory errors found and fixed** in real time — vital for users working with business-critical data — with **error correcting code memory**, available on Intel® Xeon® W-1300 and Intel® Xeon® W-11000 processors.<sup>4</sup>



## The Intel® Evo™ vPro® platform

Stellar form factors. New levels of performance. Premium computing experiences. The Intel® Evo™ vPro® platform offers the best thin-and-light laptop experience for business.<sup>5</sup>

**+40% improved responsiveness** on average compared to a 3-year-old premium laptop while on battery<sup>6</sup>

**9+ hours of real-world battery life** on systems with FHD displays<sup>7</sup>

**<1 second wake from sleep** to get back in the action faster

**Better business PC experiences start here.**

Learn more at [www.intel.com/11thgenvPro](http://www.intel.com/11thgenvPro)

See "Notices and disclaimers" for configuration details. For more complete information about performance and benchmark results, visit [www.intel.com/11thgenvPro](http://www.intel.com/11thgenvPro) for details. Results may vary.

\* With the AV1 video codec vs. AVC codec.

\*\* Intel® Control-Flow Enforcement Technology (Intel® CET) and Intel® Total Memory Encryption (Intel® TME) are not included with Intel® Hardware Shield on 11th Gen Intel® Core™ vPro® S-series processors.

\*\*\* 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](http://www.intel.com/11thgenvPro). Results may vary.

\*\*\*\* Not available on Intel® Xeon® W-1300 processors. Available on Intel® Xeon® W-11000 processors.

# Notices and disclaimers

<sup>1</sup> Performance results are based on testing as of April 7, 2021 and may not reflect all publicly available updates. No product can be absolutely secure. Results may vary. As measured by SYSmark 25 overall score.

- A. Processor: 11th Gen Intel® Core™ i9-11900 processor (RKL-S) PL1=65W TDP, 8C16T; Motherboard: Pre- production Asus Q570; Memory: G. Skill DDR4 CL 14-14-14-34, 2X 16 GB DDR4- 2933MHz; Graphics: Integrated UHD 750, Graphics Driver :27.20.100.9127  
Storage: Intel SSD 905P 960GB; Display Resolution: 1920x1080; OS: Microsoft Windows 10 Pro 20H2 19042.685; BIOS version 601
- B. Processor: 10th Gen Intel® Core™ i9-10900 processor (CML-S) PL1= 65W TDP, 10C20T, Motherboard: Production Asus Q470MC; Memory: G. Skill DDR4 CL 14-14-14-34, 2X 16 GB DDR4-2933 MHz; Graphics Integrated UHD 630 Graphics Driver: 27.20.100.9127,  
Storage: Intel SSD 905P 960GB; Display Resolution: 1920x1080; OS: Microsoft Windows 10 Pro 20H2 19042.685; BIOS version 1602

<sup>2</sup> Performance varies by use, configuration, and other factors. For details on performance claims, learn more at [www.intel.com/PerformanceIndex](http://www.intel.com/PerformanceIndex) [Connectivity/Wired].

<sup>3</sup> Performance results are based on testing as of April 7, 2021 and may not reflect all publicly available updates. No product can be absolutely secure. Results may vary. As measured by MLPerf v0.7 Inference, Mobile Notebooks, Closed Division with Offline Scenario using OpenVINO 2021.1 Pre framework on Mobilenet Edge model int8 CPU (Batch=4) on 11th Gen Intel® Core™ i9-11900 Processor vs highest attainable MLPerf v0.7 Inference, Mobile Notebooks, Closed Division with Offline Scenario using OpenVINO 2021.1 Pre framework on Mobilenet Edge model int8 CPU (Batch=4) on 10th Gen Intel® Core™ vPro® i9-10900 processor.

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<sup>4</sup> B. Schroeder, E. Pinheiro, and W. D. Weber, [DRAM Errors in the Wild: A Large-Scale Field Study](#), 2009.

<sup>5</sup> 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](http://www.intel.com/11thgenVPro) for details. Results may vary.

<sup>6</sup> 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](http://www.intel.com/11thgenVPro) for details. Results may vary.

<sup>7</sup> Time taken to drain from 100% to critical battery level while performing typical workflows in a realistic environment. Visit [www.intel.com/11thgenVPro](http://www.intel.com/11thgenVPro) for details. Results may vary.

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See backup for workloads and configurations. Results may vary.

For workloads and configurations visit [www.intel.com/PerformanceIndex](http://www.intel.com/PerformanceIndex). Results may vary.

Altering clock frequency or voltage may void any product warranties and reduce stability, security, performance, and life of the processor and other components. Check with system and component manufacturers for details.

Performance varies by use, configuration and other factors. Learn more at [www.intel.com/PerformanceIndex](http://www.intel.com/PerformanceIndex).

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

Your costs and results may vary.

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