

Intel Next Gen Top 10

10 reasons why the Intel vPro® platform with new 10th Generation Intel® Core™ vPro® processors is built for business

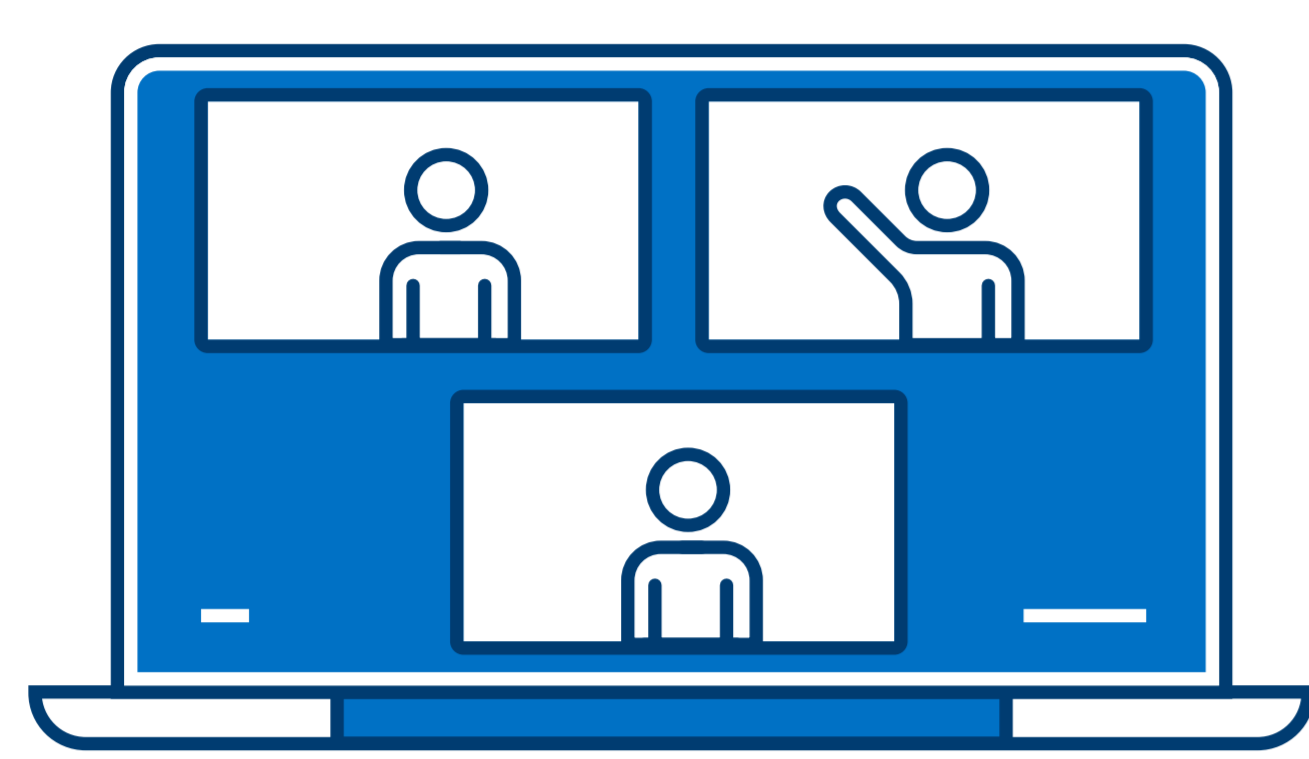


1 Up to **40% Better Overall Performance**^{1,2,3}
with a 10th Gen Intel® Core™ vPro® processor vs. 3-year-old laptop.



Get the power modern businesses need.

2 **Integrated Wi-Fi 6 Connectivity is the Best Wi-Fi Technology for Video Conferencing**^{1,4}



Set a new standard for video conferencing with Wi-Fi 6.

4 **Next-Level Battery Life**



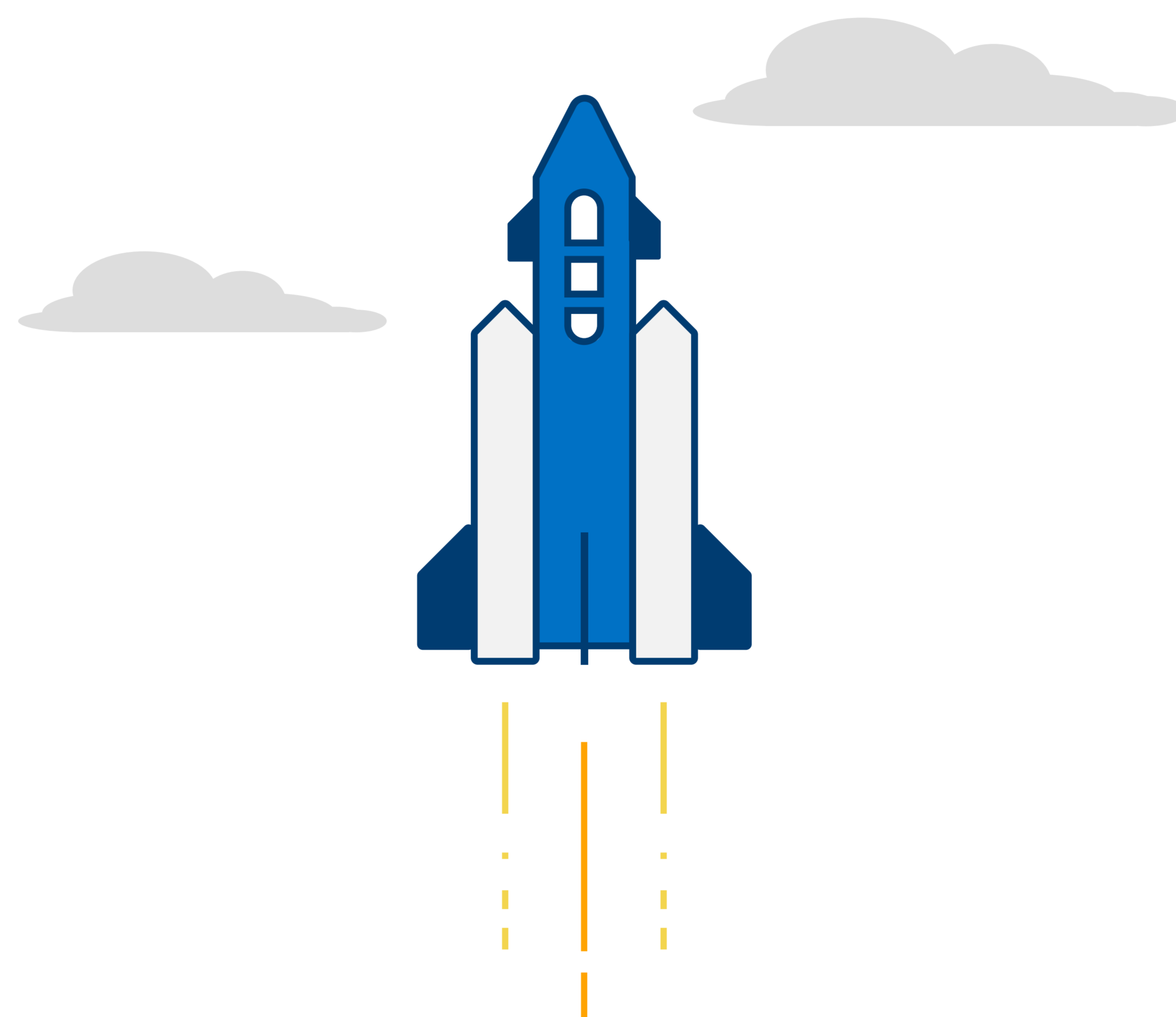
Efficient power usage means long battery life and productivity for work anywhere.

3 **Up to 4x Greater Scalability**^{1,7} **Nearly 3x Faster Download Speeds**^{1,8}

Get unflinching network connectivity for up to 4x greater scalability^{1,7} and nearly 3x faster download speeds^{1,8} with integrated Wi-Fi 6.



5 **Up to 81% Faster Drive Performance**^{1,5,6}



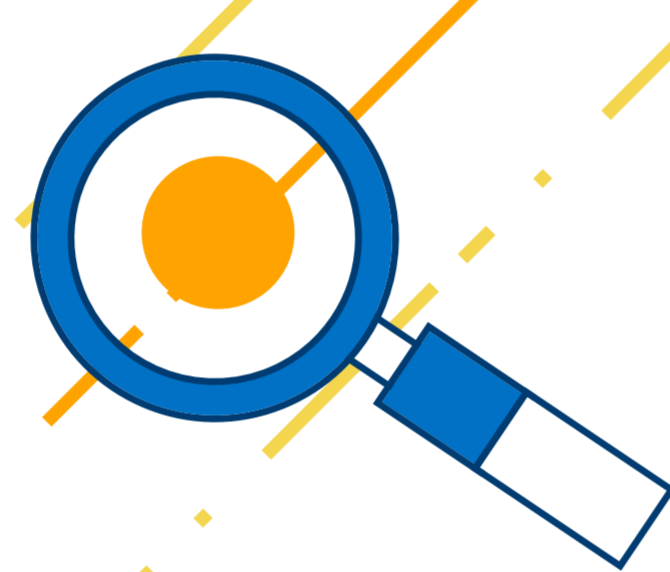
On a 10th Gen Intel® Core™ vPro® processor with Intel® Optane™ memory H10 with Solid State Storage vs. standard SSD.

6 **Hardware-Enhanced Security Features**



Get built-in platform protection, now with expanded below-the-OS and advanced threat protection features that raise the bar in PC security.

7 **Intel Transparent Supply Chain**



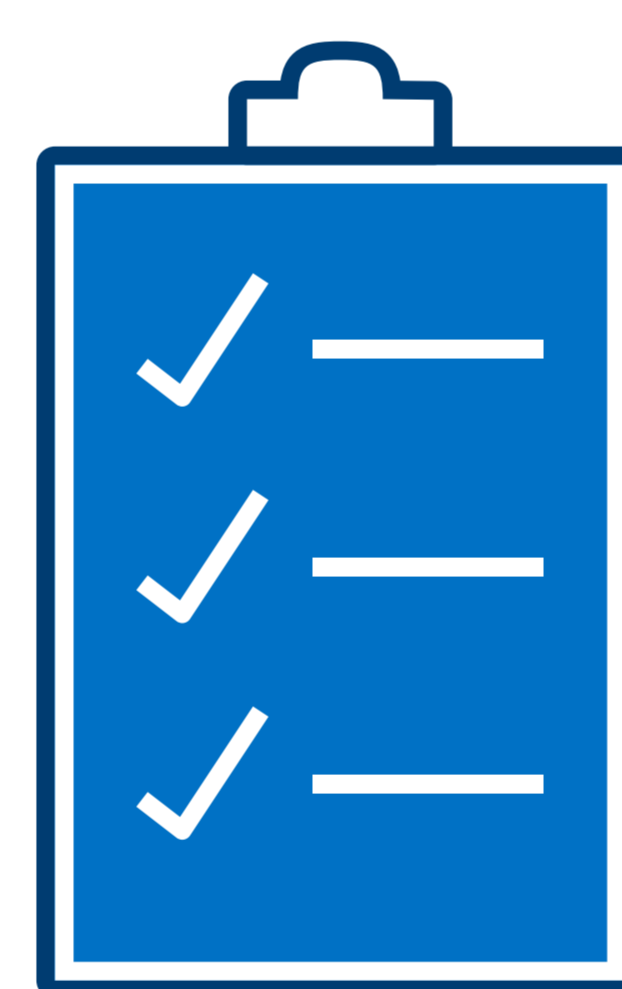
More secure and greater supply chain visibility with Intel® Transparent Supply Chain.

8 **Powerful Remote Management**



Whether at home, halfway around the world, or inside or outside the firewall, remotely and securely manage devices over the cloud with Intel® Active Management Technology (Intel AMT) and Intel® Endpoint Management Assistance (Intel EMA).

9 **Smooth and Reliable Stability**



Have confidence that with the Intel vPro® platform designation, you have the latest PC technologies integrated in one validated platform.

10 **Engineered for Mobile Performance**



Intel's Project Athena innovation program-based laptops with 10th Gen Intel® Core™ vPro® processors are designed for mobile performance, providing rapid responsiveness, worry-free battery life^{9,10}, and Instant Resume from button press, lid open, or voice, to display on and ready for authentication.

Learn more at intel.com/vPro



Intel vPro® Platform · Built for Business

Performance | Security | Manageability | Stability

¹ Performance results are based on testing as of April 30, 2020 and May 4, 2020 and may not reflect all publicly available updates. See configuration disclosure for details. No product can be absolutely secure. Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information about performance and benchmark results, visit <http://www.intel.com/benchmarks>

² Measured on platforms with: Intel Pre Production Processor: Intel® Core™ i7-10810U (CML-U 6+2) PL1=15W, 6C12T, Turbo up to 4.9GHz, Memory: 2x16GB DDR4-2667 2Rx8, Storage: Intel® 760p M.2 PCIe NVMe SSD, Display Resolution: 1920x1080, OS: Windows® 10 19H2-18363.ent.r64.691-Appx68, Power policy set to AC/Balanced mode for all benchmarks except SYSmark 2018 which is measured in AC/BAPCo mode for Performance. Power policy set to DC/Balanced mode for power. All benchmarks run in Admin mode & Tamper Protection Disabled / Defender Disabled, Graphics driver: 2020-02-11-ci-master-4102-revenue-pr-1007926-whql, Temperature: Tc=70c for all performance measurements. Tc=50c for MobileMark 2018. Compared to Processor: Intel® Core™ i7-7600U (KBL-U 2+2) PL1=15W, 2C4T, Turbo up to 3.9GHz, Memory: 2 X 4GB DDR4, Storage: Intel® 660p M.2 PCIe NVMe SSD, Display Resolution: 1920x1080, OS: Windows 10 Pro 10.0.18362.175. Power policy set to AC/Balanced mode for all benchmarks except SYSmark 2018 which is measured in AC/BAPCo mode for Performance. Power policy set to DC/Balanced mode for power. All benchmarks run in Admin mode & Tamper Protection Disabled / Defender Disabled, Graphics driver: n/a, Bios

³ As measured by SYSmark 2018 Overall Score on pre-production 10th Gen Intel® Core™ i7-10810U vs. 8/15/19 testing of 7th Gen Intel® Core™ i7-7600U. SYSmark 2018 is published by the Business Applications Performance Corporation (BAPCo), a benchmarking consortium. SYSmark tests Windows® desktop applications performance using real-world scenarios: productivity, creativity, and responsiveness. Mainstream applications used in the scenarios include Microsoft Office®, Adobe Creative Cloud®, and Google Chrome®. Each scenario produces individual metrics that roll up to an overall score.

⁴ As measured by OTA (Over the Air) Wi-Fi 6 (802.11ax) vs. Wi-Fi 5 (802.11ac) NB client Skype video conferencing test data, obtained in standard corporate IT 20 MHz and 40 MHz network deployment scenarios. Wi-Fi networks consist of 8 NB clients with 7 clients generating 10-20 Mbps Wi-Fi traffic (using iChariot traffic simulator) while 1 client conducts a 5 min Skype video conference session with a 9th client connected via 10/100/1000 Ethernet to a local server. Skype data obtained via Skype reporting application. 8 NB Wi-Fi network client specifications: Dell XPS 13 (10th Gen), Killer AX1650, Driver 2.1.90.0.9; OS: Win 10 19H1 64-bit, 9th NB Callee (wired) = Dell G7 15 7588, 10/100/1000 Ethernet, Driver 7, OS: Win 10 19H1 64-bit; Enterprise APs: (AC) Wi-Fi 5: Cisco 3800, FW: 8.10.128.91; (AX) Wi-Fi 6: Cisco 9130, FW: 8.10.128.91. Test data represents best case results through a controlled local network to show relative Wi-Fi 6 vs. Wi-Fi 5 technology differences. Actual real-world corporate results may vary and are expected to be higher due to 1) greater number of diverse clients, 2) higher network traffic levels, and 3) greater physical client distance from Skype server

⁵ Measured on platforms with: Intel Pre Production Processor: Intel® Core™ i7-10810U (CML-U 6+2) PL1=15W, 6C12T, Turbo up to 4.9GHz, Memory: 2x16GB DDR4-2667 2Rx8, Storage: Intel® Optane™ Memory H10 with Intel RST driver, Display Resolution: 1920x1080, OS: Windows® 10 19H2-18363.ent.r64.691-Appx68, Power policy set to AC/Balanced mode for all benchmarks except SYSmark 2018 which is measured in AC/BAPCo mode for Performance. Power policy set to DC/Balanced mode for power. All benchmarks run in Admin mode & Tamper Protection Disabled / Defender Disabled, Graphics driver: 2020-02-11-ci-master-4102-revenue-pr-1007926-whql, Temperature: Tc=70c for all performance measurements. Tc=50c for MobileMark 2018. Compared to Intel Pre production Processor: Intel® Core™ i7-10810U (CML-U 6+2) PL1=15W, 6C12T, Turbo up to 4.9GHz, Memory: 2x16GB DDR4-2667 2Rx8, Storage: Samsung SSD 970 Evo Plus with Samsung driver, Display Resolution: 1920x1080, OS: Windows® 10 19H2-18363.ent.r64.691-Appx68, Power policy set to AC/Balanced mode for all benchmarks except SYSmark 2018 which is measured in AC/BAPCo mode for Performance. Power policy set to DC/Balanced mode for power. All benchmarks run in Admin mode & Tamper Protection Disabled / Defender Disabled, Graphics driver: 2020-02-11-ci-master-4102-revenue-pr-1007926-whql, Temperature: Tc=70c for all performance measurements. Tc=50c for MobileMark 2018.

⁶ As measured by PCMark 10 Quick System Drive on pre-production 10th Gen Intel® Core™ i7-10810U with Intel® Optane™ Memory H10 With 512GB Solid State Storage vs. pre-production 10th Gen Intel® Core™ i7-10810U with 500GB Samsung 970 Evo Plus

⁷ 4X Capacity/Scalability: This claim is based on a comparison of overall network capacity for similarly sized 802.11ax vs. 802.11ac networks. The IEEE 802.11-14/0165r1 802.11ax specification amendment defines standardized modifications to both the IEEE 802.11 physical layers (PHY) and the IEEE 802.11 Medium Access Control layer (MAC) that enable at least one mode of operation capable of supporting at least four times improvement in the average throughput per station (measured at the MAC data service access point) in a dense deployment scenario, while maintaining or improving the power efficiency per station. For additional details visit: <https://mentor.ieee.org/802.11/dcn/14/11-14-0165-01-0hew-802-11-hew-sg-proposed-par.docx>

⁸ Nearly 3X Faster: 802.11ax 2x2 160 MHz enables 2402 Mbps maximum theoretical data rates, ~3X (2.8X) faster than standard 802.11ac 2x2 80 MHz (867 Mbps) as documented in IEEE 802.11 wireless standard specifications, and require the use of similarly configured 802.11ax wireless network routers.

⁹ Testing as of 30 September 2019. For systems with FHD displays. Simulated to replicate typical scenario on wireless web browsing workload: Shipped HW/SW configuration running multiple background applications and open web pages; on 802.11 wireless Internet connection, DC battery power, and 250nit screen brightness.

¹⁰ For systems with FHD displays, when used for wireless web browsing. When powered off, from OEM default shutdown level.

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