PRODUCT BRIEF

GET A PC BUILT TO MEET THE NEEDS OF YOUR BUSINESS
BUSINESS WORKS BETTER WITH INTEL VPRO® PLATFORMS

State-of-the-art desktops, laptops and workstations running the latest productivity applications can help supercharge your business. Large enterprises have long enjoyed the benefits of Intel’s built-for-business computing platform (these advantages include extra security features, simpler PC maintenance and manageability and stable, reliable systems able to go all day, every day).

Today, more businesses and outsourced IT service providers are discovering firsthand how the built-in benefits of an Intel vPro® platform can extend to organizations of all shapes and sizes. The Intel vPro® platform is available across all major PC vendors in a wide range of form factors. New capabilities available with Intel’s best-for-business platform include Intel® Hardware Shield, which enables an added level of built-in hardware protection for business-class security and helps protect every PC on the platform from today’s evolving security and malware threats.

THE EVOLVING WORLD OF WORK

With the world of work rapidly changing and remote employees collaborating from more places than ever before, today’s workers need professional-grade technologies designed for the modern business. When it is easier for managed service providers (MSPs) to support businesses’ IT needs from anywhere, they are better able to help companies minimize downtime and make the most of their IT investment.

With more employees than ever working from home, business owners may be struggling to help them resolve PC issues remotely. In the past, they may have been able to troubleshoot PC issues with employees deskside, but now that they are working remotely, managing these systems remotely can pose a new challenge for an IT department. Managed service providers have honed their skills in remote management over the years, and Intel has a proven record of working with them to enable robust remote management capabilities and help bolster employee productivity and security for remote workforces.
INTEL VPRO® PLATFORM ENABLES MANAGED SERVICE PROVIDERS

With PCs featuring the Intel vPro® platform, MSPs can more fully and easily manage PC deployments by remotely performing maintenance, running diagnostics, repairing systems and rebooting. These agile and highly capable IT management teams are often tasked with delivering a wide range of IT maintenance and support services, so it's no surprise that the top challenge they report is the time-consuming nature of day-to-day tactical activities of IT management. By intelligently investing in efficient IT solutions that enable them to compete smarter, your business can better innovate, boost overall effectiveness, and grow.

THE MARK OF A HARD-WORKING BUSINESS PC

Desktop PCs, laptops and workstations with the Intel vPro® platform designation are hard-working systems designed and built to meet the performance and reliability needs of modern businesses. Deploy these systems and your employees can get responsive performance when multitasking or running demanding productivity applications. When working from home or remotely, today's demanding collaboration and connectivity applications like HD videoconferencing place significant demands on connectivity and performance. With built-in Intel® Wi-Fi 6 (Gig+), it's possible to connect and collaborate with confidence.

Your modern workforce will thank you when they get the performance and uptime they need to keep moving (and not waiting). The result is a better return on your technology investment with PCs that allow employees the opportunity to stay in the flow.

BUILT FOR YOUR MODERN BUSINESS

The Intel vPro® platform supports the needs of modern businesses by providing a scalable, reliable foundation for business growth. By choosing the Intel vPro® platform, you gain access to productivity-enabling performance, built-in security and a great return on your technology investment with reliable systems that work all day—rising to the demands of today's dynamic business environment.
UNCOMPROMISED PRODUCTIVITY

Experience uncompromised productivity with PCs able to go the distance thanks to the latest Intel® Core™ processors and Intel technologies.

- **Business-class performance.** Take advantage of the latest and greatest platform innovations designed to help your employees stay super productive during their workday. Whether juggling multiple power-hungry applications, preparing a presentation, committing code, videoconferencing or crunching numbers—the Intel vPro® platform with Intel® Core™ vPro™ processors can handle the demands of today’s productivity applications with up to 40% better overall application performance¹, up to 35% faster office multitasking² and up to 27% faster web browsing³ with a 10th Gen Intel® Core™ vPro processor vs. a 3-year-old laptop.

- **Goes-all-day reliability.** New systems designs are built with the needs of highly demanding, agile businesses in mind. Offer employees performance that can empower productivity, and is better able to keep pace with what they’re looking to accomplish. Whether it’s HD videoconferencing while exporting 3D animations or committing code while streaming music, today’s employees are asking their systems to do more than ever before. Innovations like Intel® Optane™ memory enable up to 81% faster drive performance on a 10th Gen Intel® Core™ vPro processor with Intel® Optane™ Memory H10 With Solid State Storage vs. a standard SSD.⁴

- **Battery life.** Thin, lightweight and highly efficient laptops and can deliver all-day battery life for your highly mobile workforce—helping reduce the need to plug in and recharge.

- **Connectivity.** Enjoy super-fast transfer of large data files with the latest gigabit Wi-Fi technology—the best Wi-Fi technology for video conferencing. Expandability to the latest peripherals with Thunderbolt™ 3 enables superior on-the-go productivity that works at the speed of business. Connect like never before with up to 4X greater capacity/scalability, nearly 1.4X–3X faster speeds for quick file downloads and next-generation WPA3 Wi-Fi security (next-gen authentication/military grade encryption).⁵

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**GET BUSINESS-CLASS PERFORMANCE**

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Compared to a 3-year-old laptop, Intel® Core™ vPro™ processors inside the Intel vPro® platform can more easily handle the demands of productivity applications.
BUILT-IN SECURITY WITH INTEL® HARDWARE SHIELD

While organizations of all sizes face ever-evolving security concerns, small- and mid-sized businesses have the most to lose when an attack triggers downtime and lost productivity. Fortunately, the Intel vPro® platform comes with the latest hardware-based security built right in to help defend against threats and protect vital business data.

• **Hardware-backed security.** Hackers are always looking for new areas of PC vulnerability, including under the operating system in the BIOS. Intel® Hardware Shield, exclusive to the Intel vPro® platform, helps reduce the attack surface of the BIOS and protect your workforce, no matter where they use their PC.

• **Limit risk.** As threats and attacks grow in sophistication and attackers begin to target both software and hardware, securing information at the hardware layer can help to limit the risk of potential data loss. In the event of system loss, theft, or failure, your technology service provider using the Intel vPro® platform can help quickly reimagine and restore systems to get employees up and running again.

• **Works with existing security solutions.** Businesses and their managed IT services providers are better able to confidently trust the integrity and security of their computing devices and worry less about losing work, time or data. Regardless of the desired approach to IT management, the highly versatile Intel vPro® platform fits well into a comprehensive business technology strategy.

If you have PCs with the Intel vPro® platform inside, you have the latest in hardware security, plain and simple.

ASK YOUR MANAGED IT SERVICES PROVIDER HOW DESKTOPS, LAPTOPS, AND WORKSTATIONS BUILT ON THE INTEL VPRO® PLATFORM CAN ENABLE ENTERPRISE-CLASS ADVANTAGES.
TAKE ADVANTAGE OF THE LATEST PLATFORM INNOVATIONS

**Equip Employees with More Powerful Tools.** With the latest Intel vPro® platforms, your employees get PCs that are built to handle the demands of their constantly-multitasking, highly mobile workdays. Packed with the latest Intel® Core™ vPro® processors and other next-generation innovations, these platforms can help to reduce deskside IT visits, lower the risk of downtime due to security intrusions and generally empower employees to work harder with technology intelligently tailored to their unique needs. It’s all supported by hardware-based security features and a state-of-the-art platform that is designed to help protect and efficiently grow your businesses by enabling great uptime.

**Cost efficient.** Reliable, stable devices can be easily managed remotely by an offsite managed services provider—saving you money on managing, troubleshooting, repairing and restoring PCs.

**Available from Trusted OEMs.** The Intel vPro® platform is available in PCs from trusted OEMs around the world. Take advantage of a wide selection of laptops, desktops and workstations that combine innovative features and system designs developed specifically for the distinctive needs of business.

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COST SAVINGS PLUS A GREAT RETURN ON INVESTMENT

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TAKE ADVANTAGE OF THE LATEST PLATFORM INNOVATIONS

With the Intel vPro® platform, your business can take full advantage of the latest innovations designed to empower your employees to accomplish more.

**Intel® Core™ vPro® Processors**
Multitask and run today’s demanding productivity applications with ease. The Intel vPro® platform is built around the latest Intel® Core™ processors that offer great headroom and responsiveness when running demanding productivity applications.

**Best-in-Class Connectivity¹**
With integrated Intel® Wi-Fi 6 (Gig+), Intel® Ethernet Connection 1225, and Thunderbolt™ 3 technology, 10th Gen Intel® Core™ processors provide fast, sure, and versatile wireless and wired connectivity.

**Support for Intel® Optane™ Technology**
A memory and storage revolution changes the game in computing and delivers unparalleled performance for demanding users. Experience up to 81% faster drive performance on a 10th Gen Intel® Core™ vPro processor with Intel® Optane™ Memory H10 With Solid State Storage vs standard SSD.²
Performance results are based on testing by Intel as of March 22, 2019 and may not reflect all publicly available security updates. See configuration disclosure for details. 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

1 As measured by SYSmark 2018 Overall Score on pre-production 10th Gen Intel® Core™ i7-10810U vs. 7th Gen Intel® Core™ i7-7600U
2 As measured by Office 365 Multi-threaded Workload on pre-production 10th Gen Intel® Core™ i7-10810U vs. 7th Gen Intel® Core™ i7-7600U
3 As measured by webXPRT3 Score on pre-production 10th Gen Intel® Core™ i7-10810U vs. 7th Gen Intel® Core™ i7-7600U
4 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
5 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 21.90.0.9; OS: Win 10 19H1 64-bit, 9th NB Callee (wired) = Dell G7 15 7588, Killer E2400, Driver: 9.0.0.42, 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

Wi-Fi 6 performance benefits require use of similarly configured Wi-Fi 6 networking infrastructure (routers & APs) based on the IEEE 802.11ax wireless standard specification. 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. See complete disclaimer and configuration details at: https://www.intel.com/content/www/us/en/products/docs/wireless-products/80211-ax-disclaimers.html

6 Best in Class Wi-Fi 6: Intel® Wi-Fi 6 (Gig+) products support optional 160 MHz channels, enabling the fastest possible theoretical maximum speeds (2402 Mbps) for typical 2x2 802.11ax PC Wi-Fi products. Premium Intel® Wi-Fi 6 (Gig+) products enable 2-4x faster maximum theoretical speeds compared standard 2x2 (1201 Mbps) or 1x1 (600 Mbps) 802.11ax PC Wi-Fi products, which only support the mandatory requirement of 80 MHz channels.

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