Unlock the Power of AI for Business

Intel® Core™ Ultra processors with Intel vPro®

intel vPRO BUILT FOR BUSINESS

A better business experience for everyone, everywhere

Workloads get more complex, security threats continue to advance, and changes to the way we work mean users – and IT – need more from a PC than ever before.

17% average increased cost of security breach when remote work was a factor[1]

That's where Intel vPro® comes in.

Intel® Core™ Ultra processors with Intel vPro® deliver a more secure platform, premium performance to handle the next generation of AI workloads, and versatile management options that businesses require.

- Professional-grade Performance
- Multilayer Security
- Complete Management
- Reliable Stability

From build to retire, Intel vPro® delivers built-in sustainability benefits for business.

The right solution for your unique needs

Intel offers a range of products that fit every business' needs. You can do anything, go everywhere, and **have everything**.

intel vPRO ENTERPRISE

Enterprise-grade performance, security, manageability, and reliability features for managed businesses of all sizes.

intel vPRO EVO EDITION

Professional-grade features combined with amazing mobile experiences.

Professional-grade Performance

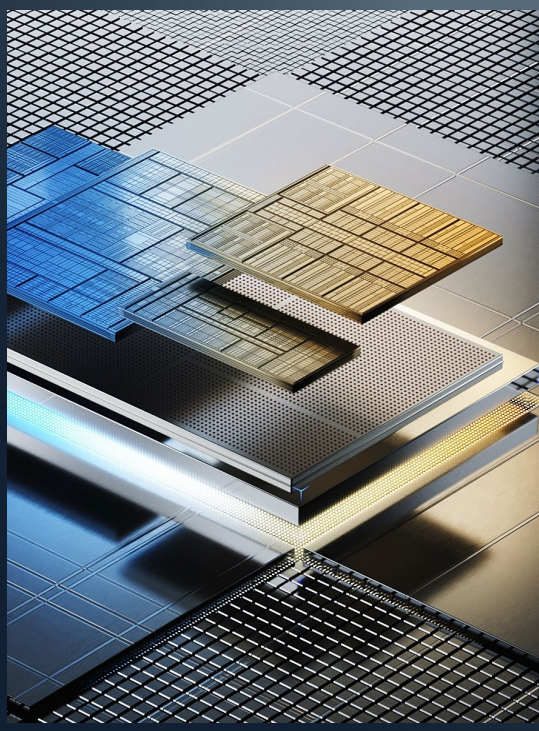
intel vPRO

Unleash productivity and elevate collaboration

Get your business ready for what's next with Intel® Core™ Ultra processors with Intel vPro®. An integrated AI engine and Intel's robust ISV ecosystem power the next wave of commercial uses, from collaboration tools and personal assistance to strengthened security.

100M+
Intel-based PCs with AI Accelerators in market by 2025

100+
Optimized AI apps and features at processor scale



Work anywhere with powerful connectivity out of the box

- **Intel® Wi-Fi 7 5 Gig and Wi-Fi 6E Gig+ –** Video calls and cloud-connected work from anywhere
- **Intel® Connectivity Performance Suite –** Lower connection latency for prioritized apps
- **Thunderbolt™ 4 docks –** Elegant workspaces with high-speed connectivity
- **Wired LAN –** High-throughput and energy-efficient wired connections for power users

Powerful, efficient performance with new 3D hybrid architecture

The right task to the right engine at the right time

intel CORE ULTRA

CPU
Fast response: ideal for lightweight, low-latency AI tasks

GPU
High throughput: ideal for rendering and reconstruction pipeline

NPU
Dedicated AI engine: ideal for power-efficient, sustained AI

Multilayer Security

intel vPRO

Hardware-based security out of the box

NEW – Silicon-based security unleashes Windows 11 security promise

The evolving threat landscape impacts everyone. That's why Intel vPro® provides comprehensive, security features to help protect your business' resources and data – right out of the box

Intel vPro® helps protect sensitive data and reduce the attack surface with new features allowing Windows virtualization-based security to support and exceed Microsoft Secured-core PC requirements.

The security business demands. The experience users deserve.

NEW – Driving the next generation of security features: AI-based threat detection

Intel® Threat Detection Technology (Intel® TDT) utilizes AI-powered security capabilities to help detect threats, like ransomware, cryptojacking, and software supply chain– even before they happen. Intel® TDT can identify early indicators of an attack and allocate monitoring tasks to the GPU, so you don't sacrifice performance.

88%
Corporate boards surveyed see cybersecurity as a business risk, rather than solely an IT technical problem.[2]

~70%
attack surface reduction with Intel vPro® PCs vs. 4-year-old devices[3]

Intel® Hardware Shield

Advanced Threat Protections
Detects new ransomware and cryptojacking threats

Application & Data Protections
Help prevent attacks from traditional malware against applications, login credentials, and data

Below-the-OS Security
Helps to prevent attacks against firmware and helps protect apps from attacks that run through the BIOS

3. Based on IOActive's "Intel vPro 13th Gen Attack Surface Study" published March 2023 (commissioned by Intel), which evaluates Intel vPro devices powered by 13th Gen Intel Core processors against four-year-old Intel-based PCs. Additional details at intel.com/performance-vpro

Comprehensive Management

intel vPRO

Empower your business to do more with the leading platform for anywhere work

With the rise of work-from-anywhere, you need to be able to keep users productive and support them remotely. Intel vPro® provides the necessary tools to manage a hybrid workforce. Plus, a path for easier transitions during refresh – all available on a wide portfolio of designs for every type of user.

Intel vPro® provides modern hardware-based management capabilities to help simplify your support process and improve your users' experience.

Better online experiences

Intel® Connectivity Performance Suite prioritizes critical traffic and dynamically connects your device to the best available connection[4]

71%
of companies are permanently allowing some type of remote work[5]

85%
of ITDMs prioritize purchasing PCs that allow their employees to do everything they need to, wherever they are[6]

Better device insights = Better device manageability

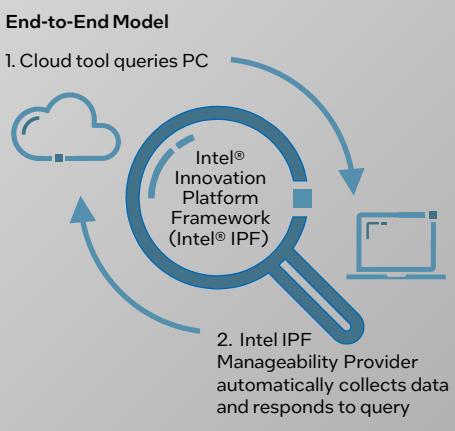
Intel vPro® continues to offer leading business manageability solutions with a suite of new features that provide deeper, richer insights to lead to better device management decisions. With the new Intel Innovation Platform Framework (Intel® IPF), Intel vPro® PCs are turned into services-ready endpoints that can be supported by a growing number of manageability service providers.

Intel® Device Discovery

A new method for device management in the cloud to interact with PCs. IT and service providers get increased visibility into devices and capabilities.

Device details made available:

- Intel® Platform Brand Identity
- Intel® Unique Platform ID
- Intel® Platform Service Record



4. Versus network performance without ICPS. ICPS available on Windows devices only. See intel.com/Performance-Wireless for details. Results may vary.

Reliable Stability

Roll out new devices with confidence

Predictable, cost-effective technology transitions are key to minimizing disruptions and building a stable PC fleet. IT can introduce new devices with confidence with Intel® Stable IT Platform Program (Intel® SIPP).

Benefits for IT departments:

- Upgrade to new OS when ready
- Qualify systems once per cycle
- Minimized computing disruptions
- Stable computing fleet
- Predictable cadence

Intel® Core™ Ultra processors **reset the Intel SIPP cycle,** validating multiple versions of Windows on any given generation of the platform

Intel® Stable IT Platform Program

Commercial platform validation that aims for zero changes for at least 15 months from first customer shipments (or until the next generational release)

Hardware — Backward validation ← **Firmware** → Forward validation — **Drivers**

Windows 10 and Windows 11

Intel® SIPP offers confidence that hardware and software components remain consistent across your fleet

- Intel® Core™ Ultra processor — New
- Intel® Wi-Fi 7 — New
- Intel® Wi-Fi 6E
- Manageability firmware
- Intel® Ethernet Connection
- Thunderbolt™ 4
- Intel® integrated graphics

Built-In Sustainability

Support sustainable IT operations

Intel vPro® provides you with features that drive energy and operational efficiencies throughout the entire device lifecycle:

Operate

Optimize power consumption whether on AC or DC power

Intel® Dynamic Tuning Technology with Energy Performance Optimizer

Update

Avoids computing disruptions and extra validation cycles due to platform changes

Intel® Active Management Technology

Intel® Stable IT Platform Program

Repair

Avoids on-site service calls (e.g., truck rolls) for a higher percentage of device management events

Intel® Active Management Technology

Intel® One-Click Recovery*

Retire / End of Life

Exceeds EPEAT standards for user data purge and reduces risk associated with PC recycle and re-use

Intel® Platform Service Record*

Intel® Remote Platform Erase*

Sustainability Features for Business

From build to retire, Intel vPro® delivers built-in sustainability benefits for business

>67%

amount Intel-based devices exceed Energy Star 8.0 requirements without sacrificing performance[7]

2.8X

improved client product energy efficiency [8,9]

Built for your business

intel vPRO

Ready to Learn More?

Intel.com/vPro
Intel.com/vProEvo
Intel.com/vPro Platform Support
Intel Communities

*Technology availability varies across system vendors

Notices and Disclaimers

1. IBM, Inc, Cost of a Data Breach Report 2023, based on analysis of 550 organizations who experienced a data breach, https://www.ibm.com/security/data-breach, July 2021
2. The 2022 Gartner Board of Directors Survey was conducted via an online survey from May through June 2021 among 273 respondents in the U.S., Europe and APAC in a board of director role or a member of the corporate board of directors.
3. Based on IOActive's "Intel vPro 13th Gen Attack Surface Study" published March 2023 (commissioned by Intel), which evaluates Intel vPro devices powered by 13th Gen Intel Core processors against four-year-old Intel-based PCs. Additional details at intel.com/performance-vpro
4. Versus network performance without ICPS. ICPS available on Windows devices only. See intel.com/Performance-Wireless for details. Results may vary.
5. Buffer, State of Remote Work 2023, based on global survey of 3000 remote workers – https://buffer.com/state-of-remote-work/2023
6. Forrester Consulting, "Create Business Resiliency With High-Performance, Stable PCs," February 2022. Intel commissioned Forrester Consulting to conduct an online survey of 611 industry decision-makers at the director level and up from organizations in the United States, EMEA, and Asia Pacific (APAC) to evaluate laptop usage and support in today's hybrid work reality. Survey participants included decision-makers responsible for technology selection, strategy, and device (PC/laptops) investment for their organization. Technology availability varies across system vendors.
7. Based on OEM design implementation. 67% claim is based on a Dell - P153G : XPS 9315 notebook based on 12th Generation Intel Core i7-1250U as Energy Star Certified Product Finder; where the system is 67.87% better on Typical Energy Consumption (TEC) than total allowance (TEC of model=13.4 kWh, vs. Total allowance of 41.7kWh).
8. Intel Corporate Responsibility Report 2022-23 https://csrreportbuilder.intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf
9. Progress on the client product energy efficiency goal is measured using SPEC® CPU2017 Integer Rate benchmark and Display On Idle Power using an end of 2019 baseline. Desktop and notebook product efficiencies reported together as a single number through a weighted average of desktop and notebook processor sales volumes.

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

Built into the hardware, Intel® Thread Director is provided only in performance hybrid architecture configurations of 12th Gen or newer Intel® Core® processors; OS enablement is required. Available features and functionality vary by OS.

Performance hybrid architecture combines two core microarchitectures, Performance-cores (P-cores) and Efficient-cores (E-cores), on a single processor die first introduced on 12th Gen Intel® Core™ processors. Select 12th Gen and newer Intel® Core™ processors do not have performance hybrid architecture, only P-cores or E-cores, and may have the same cache size. See ark.intel.com for SKU details, including cache size and core frequency.

All versions of the Intel vPro® platform require an eligible Intel processor, a supported operating system, Intel LAN and/or WLAN silicon, firmware enhancements, and other hardware and software necessary to deliver the manageability use cases, security features, system performance, and stability that define the platform. See www.Intel.com/Performance-vPro for details.

Intel® Wi-Fi 7 (5 Gig) & Intel® Wi-Fi 6/6E (Gig+) products enable the fastest possible maximum speed for typical laptop Wi-Fi products. Thunderbolt™ 4 technology is the fastest port currently available on a laptop, at 40 Gb/s, as compared to other laptop I/O connection technologies, including eSATA, USB, and IEEE 1394 Firewire. Performance varies by use, configuration, and other factors. See www.intel.com/PerformanceIndex (connectivity) for details.

Wi-Fi 7 is subject to regional availability and operation requires use of Intel® Wi-Fi 7 (5 Gig) products in conjunction with operating systems and routers/APs/Gateways that support Wi-Fi 7. Learn more at https://www.intel.com/performance-wireless.

All Intel® Evo™ branded designs must meet demanding thresholds for key mobile user experiences like responsiveness and battery life; individual device performance may vary. Details at www.intel.com/performance-evo

No product or component can be absolutely secure. Learn more at www.Intel.com/PerformanceIndex (Security & Manageability). Performance varies by use, configuration and other factors. Learn more at www.Intel.com/PerformanceIndex.

Your costs and results may vary.

Intel is committed to the continued development of its renewable, sustainable, and green networks, as we strive to prioritize greenhouse gas reduction. Refer to Intel Corporate Responsibility Report 2021-2022 or visit www.Intel.com/2030goals for further information.

AI features may require software purchase, subscription or enablement by a software or platform provider, or may have specific configuration or compatibility requirements. Details at www.intel.com/PerformanceIndex. Results may vary.

1223/JC/MIM/PDF