Microsoft Surface × intel

Design that delivers

3 ways Surface devices accelerate transformation

intel CORE ULTRA



Microsoft Surface

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Transformation takes more than just ambition

As AI becomes more central to how businesses run, the focus is shifting from ambition to execution. In the age of intelligence, what matters is making AI work in practice, and that responsibility sits squarely with leaders. They're expected to help teams work more efficiently and improve everyday workflows while managing complexity and risk. Transformation may be defined in the boardroom, but it's felt in the day-to-day. When work is slowed by inconsistent tools or devices, it can limit AI's potential. Real progress is often shaped by how easily people can get work done, and whether security supports them or gets in the way.

As leaders try to balance human and artificial intelligence, devices play a bigger role than ever. They influence how people work, how secure the organization is, and how quickly teams can move forward. Surface was built for this reality. Created end-to-end by Microsoft, it brings together hardware, software, security, and cloud intelligence for a consistent, integrated experience. Surface works with Windows and Copilot[1] to help bring AI capabilities into daily workflows. Designed to support actions such as summarizing, creating, and connecting in the moment, it can help teams move from thinking to doing.

In other words, when people can work brilliantly, organizations can too; that's the idea behind Design that Delivers. We'll explore what this looks like in practice in the next three chapters: **Designed for Brilliance, Engineered for Security, and Trusted for Transformation**. Each plays a role on its own; together, they can help you turn ambition into real progress.

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Chapter 1:

Designed for brilliance

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The hidden cost of friction in modern work

To succeed in today's workplace, people need to stay sharp, move fast, and juggle complex tasks. That's easier said than done when friction gets in the way of work. System lag, switching between tools, and inconsistent experiences can break focus. Instead of working through tasks, people may end up working around the technology. Each distraction seems small, but together they can add up, making it harder for people to stay focused and maintain momentum.

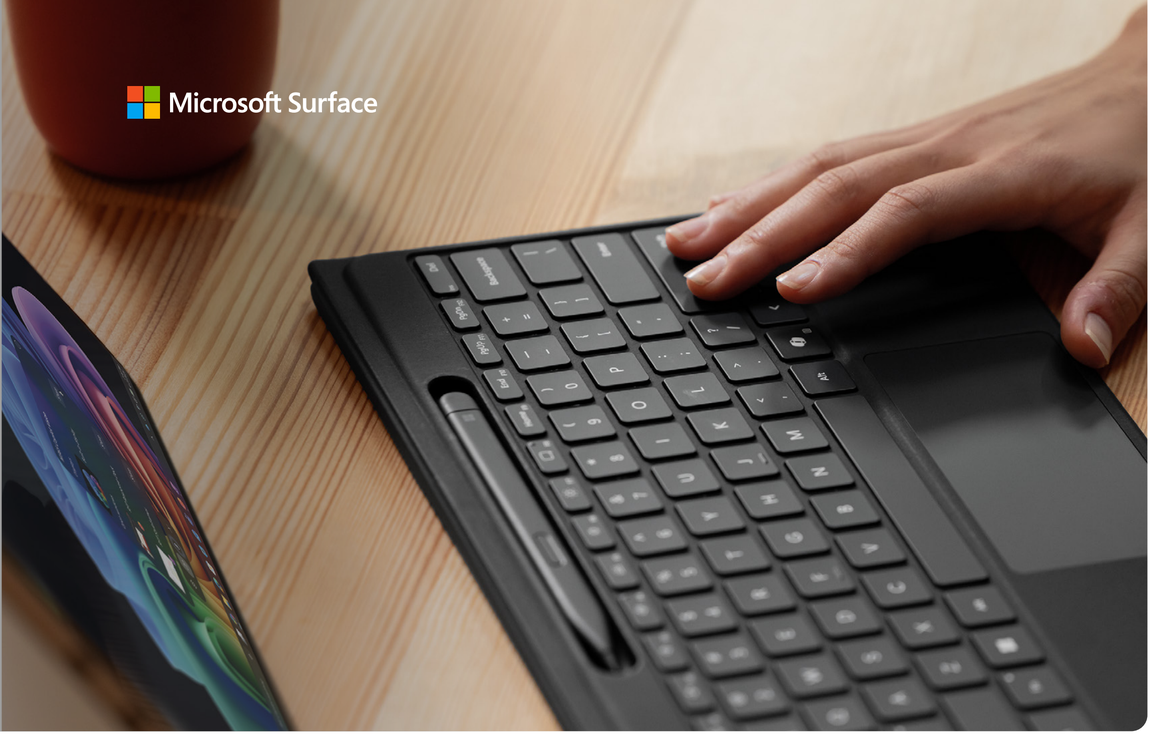
For business leaders, friction can show up as delays and uneven quality. For IT, it can mean more support, more variability, and reduced control across the environment. The core issue is the same: employees are expected to operate at a high level, but their tools don't always match that expectation. Over time, friction can take a toll on innovation. Organizations can lose their brilliance when technology interrupts flow instead of enabling it.

The best design gets out of the way

Brilliance starts when technology fades into the workday instead of demanding attention. Staying in the flow can get easier when experiences are shaped around people. Surface devices are built to help reduce friction, with human-centered design that supports comfort and focus, while addressing fatigue and interruptions. For instance, finely tuned haptics[2] on Surface Laptop 13.8 inch and 15 inch provide subtle feedback, like objects snapping into place, so interactions can feel more controlled and intentional.

Built for modern work: Surface devices are designed with premium materials and tested for real-world use, balancing lightweight mobility with durability over time. Power is managed across silicon, thermals, and Windows to help maximize battery life and get you through long workdays.[3]

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AI that works the way people work

AI can deliver value when it fits into how people already work. If it adds extra steps or sits outside the flow, it can get ignored. But when it's easy to access during every tasks, it starts to feel like part of the routine; something users can turn to without thinking. With Copilot[1] and on-device AI features, Surface is designed to help bring intelligence into that moment, right when people need it. And when AI experiences are intuitive and timely, teams can use them more effectively within existing workflows.

Built for modern work: Designed for fast, responsive performance across traditional and AI workloads, Surface devices are supported by optimized silicon, including 40+ TOPS NPUs.[2] A dedicated Copilot key[4] puts AI tools within easy reach, while Copilot[1] works with voice, touch, and pen input[5] for more natural interaction. And depending on what feels right in the moment, users can switch between speech, touch, typing, touchpad, or ink.[5]

Experiences designed for everyone

When technology only works for some people in the organization, it can create friction, slow down progress, and make it harder for brilliance to scale. Surface is designed with inclusivity in mind, supporting a range of abilities, roles, and workstyles, to help more people contribute. As teams gain confidence with tools designed around their needs, inclusive design can encourage broader participation and a more consistent experience.



Built for modern work: With Surface, a lot of thought goes into creating a more inclusive experience. Human factors testing and Microsoft's Inclusive Tech Lab guide usability and comfort decisions. Designed for Surface accessories from third-party manufacturers extend that approach with solutions for a wider range of needs. Surface Pro Flex Keyboard has a precision haptic touchpad[2] that supports navigation with different parts of the limb. The optional bold keyset[6] includes accessibility features such as larger fonts, high contrast, and backlighting, designed to help improve key visibility and make typing easier.

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Chapter 2:

Engineered for security

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Expanding threats are slowing innovation

As AI and hybrid work expand, devices may operate across more locations and identities, which has the potential to increase exposure to threats. That added risk can erode confidence, complicate adoption, and slow transformation efforts. That's why security should be built in from the start, especially as leaders face growing pressure to manage risk while enabling speed and flexibility.

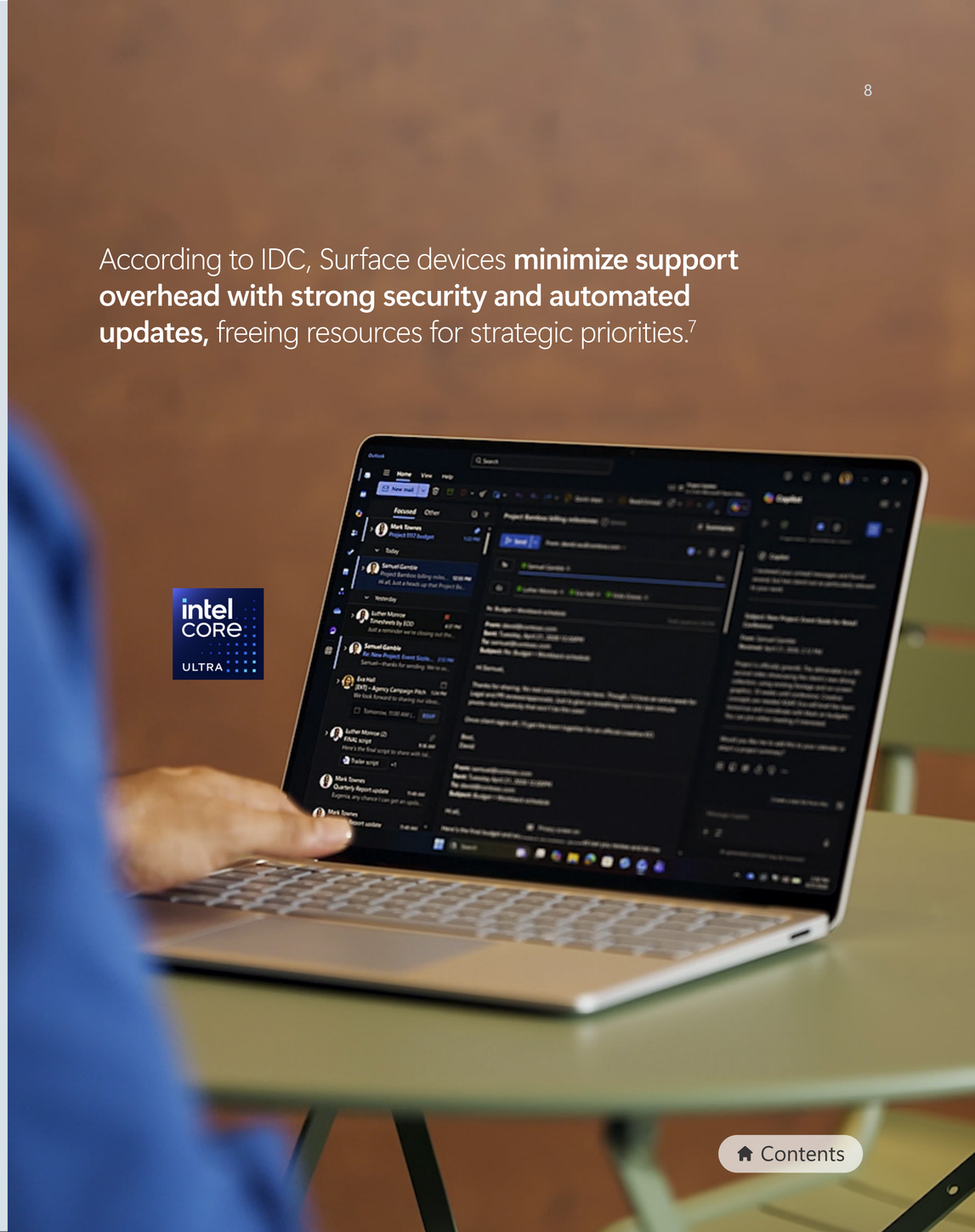
In a more distributed environment, organizations need layered approaches that support both security and productivity. Devices like Surface can play a role by providing hardware-based security and key Windows protections for everyday AI use. With those capabilities enabled by default, Surface is designed to support innovation while helping reduce risk from day one.

Built for security from the chip up

Surface is designed to support Zero Trust security principles, with protections across hardware, firmware, operating system, and Microsoft cloud-based security services. And strong defenses don't have to add unnecessary complexity. With a consistent platform approach, organizations can streamline device management, reduce configuration variability, and support modernization efforts.

Built for modern work: Surface devices, powered by Intel® Core™ Ultra processors, reflect Microsoft's proactive approach to security across code, AI systems, and infrastructure. Hardware-based encryption and firmware protections, including Microsoft Pluton and TPM 2.0, are designed to help protect sensitive data. Memory-safe firmware written in Rust can help mitigate common memory-related vulnerabilities and strengthen protection at a more foundational level.

According to IDC, Surface devices **minimize support overhead with strong security and automated updates,** freeing resources for strategic priorities.[7]

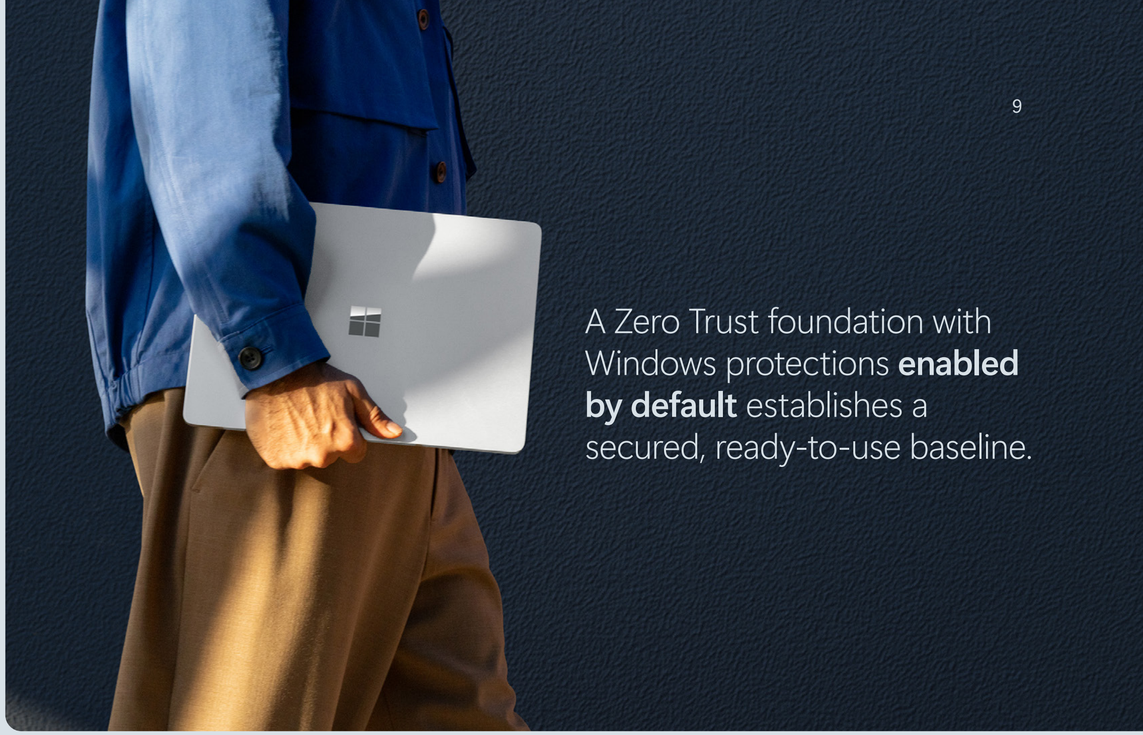


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Security that's on by default

Protection shouldn't rely on manual setup. Surface ships with hardware-based security and key Windows protections enabled by default. From the very first login, the device is designed to support a secure configuration without extra setup. And every Surface ships as a Secured-core PC, hardened with features like Hardware Root of Trust and Enhanced Sign-in Security.

Built for modern work: Protection continues as team members sign in and start working. Windows Hello for Business enables a hardware-backed sign-in experience that works with Windows protections across Surface devices. Meanwhile, Windows Update delivers security and quality updates, keeping devices secure and current while allowing IT teams to focus on higher-value activities.



Security shouldn't hold you back

As threats evolve, security needs to keep pace while helping users stay productive. Surface devices work with Microsoft Defender Threat Intelligence to help support AI-driven detection and protection.[8] Surface Management Portal, available through Intune, also uses Microsoft Security Copilot[9] to assist with investigation and response. By combining proactive defenses with ongoing security and quality updates, this approach can help organizations address evolving threats while reducing disruption.

Built for modern work: Today's organizations need devices that can stay protected as threats and work patterns change. Surface participates in a continuous security feedback loop, translating insights into improvements delivered via Windows Update. Surface also shares learnings with industry partners through the Open Device Partnership, helping strengthen device resilience.





Chapter 3:

Trusted for transformation

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Confidence keeps progress on track

As opportunity and risk collide in the age of intelligence, leaders are under pressure to move faster without giving up control. But finding that balance requires strong policies, controls, and clear visibility into systems. Together, these foundations can help support trust as organizations scale AI responsibly. When AI initiatives are protected, thoughtfully managed, and aligned with long-term goals, organizations can make decisions and move new ideas forward with greater confidence.

Responsible AI guided by Microsoft principles

Surface is designed using practices informed by Microsoft's Responsible AI approach. With a focus on user control and oversight, Surface offers the visibility needed to support responsible AI adoption. Built-in transparency, verifiable device integrity, and sustainability-related reporting can help IT teams align device management with governance, compliance, and organizational policies as their AI capabilities expand.

Built for modern work: AI experiences on Surface are built with responsibility at their core. Microsoft Foundry on Windows gives organizations flexibility in how and where AI runs, enabling experiences that take advantage of the onboard NPU. Together, Surface and Microsoft tools are designed to help organizations shape AI solutions around their business needs, responsibility goals, and security requirements.

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Staying ahead with sustainability

As organizations work to modernize their device fleets, many face rising expectations around environmental impact and ESG reporting. The good news is, transformation can go hand in hand with environmental goals. Surface devices incorporate recycled materials[11] and repairable design principles that maximize the use of the device. And tools such as the Surface Emissions Estimator help organizations provide data to help inform sustainability planning.

Built for modern work: Modular components make targeted repairs possible and can help reduce replacement-related waste.[12] Recycled materials and circular design practices emphasize reuse and longevity, while transparent sourcing and traceable supply chains support responsible procurement and reporting.[13] Together, these approaches help organizations make informed choices that align with Microsoft's 2030 commitments across carbon, water, and waste.

How transparency gives you more control

Trust can grow when leaders clearly understand how their technology is built, secured, and managed. That visibility can reduce uncertainty and help teams move from assumption to confidence. Surface offers visibility into device design, security, and lifecycle practices, supporting operational assurance. Clear documentation supports audit readiness and gives teams the insight needed to make informed, responsible technology decisions.

Built for modern work: Surface devices include firmware that incorporates open-source components from projects like Project Mu, supporting transparency and verifiability in device security. Detailed software bills of materials add insight into components, informing supply chain and security practices. Along with transparent lifecycle approaches and firmware settings managed remotely via Microsoft Intune,[14] Surface helps organizations maintain visibility and control at scale.



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Closing perspective:

Design that keeps you moving forward

Transformation isn't a one-time milestone for businesses. It's an ongoing journey that requires continued innovation while managing complexity and risk at every step of the way. Surface supports that balance, combining intentional design with tools and protections that are designed to help organizations innovate responsibly, execute boldly, and move forward with confidence.

Surface is **designed for brilliance**, with experiences that can keep people focused as they turn ideas into impact with fewer disruptions. It's **engineered for security**, so inspired work can stay protected without unnecessary friction. And it's **trusted for transformation**, giving organizations a clearer path forward through responsible AI, sustainability, and transparency.

By uniting Microsoft hardware with Windows, Copilot,[1] and cloud services, Surface is designed to provide a practical foundation for businesses working to innovate at scale.

Explore Surface Copilot+ PCs that accelerate transformation



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Endnotes

1. Requires a Copilot license. Sold separately.
2. Available in supported features and apps.
3. Based on a local video playback test. Battery life varies significantly with settings, usage, and other factors. See Surface battery testing and estimated performance.
4. Copilot key functionality varies by device, OS, region, and Copilot availability.
5. Accessories sold separately. Pen and touchscreen supported on select devices.
6. Bold keyset option available only in US English in select markets.
7. Business Value of Microsoft Surface, IDC study commissioned by Microsoft, April 2025. Based on in-depth interviews with 15 organizations (US, CA, UK, AU, IN) and surveys of 528 Surface users and 75 other Windows-PC users; results reflect perceived benefits reported by participants and are not guaranteed.
8. Sold separately.
9. Microsoft Security Copilot requires provisioning of Security Compute Units (SCUs) to enable use. Availability and capacity may vary based on licensing and configuration. Additional consumption charges may apply.
10. Microsoft, "Microsoft Digital Defense Report 2025", October 2025.
11. Surface Pro for Business Enclosure includes bucket, kickstand 100% recycled aluminum alloy in bucket. 100% recycled rare earth metals in magnets. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure (ECVP) for Recycled Content, UL ECVP 2809-2, Second Edition, dated June 2024. Surface Laptop for Business Enclosure includes A Cover and C Bucket. 64% recycled aluminum alloy in A Cover and C Bucket. 100% recycled rare earth metals in magnets. Based on validation performed by Underwriters Laboratories, Inc. using Environmental Claim Validation Procedure (ECVP) for Recycled Content, dated June 2024.
12. Replacement components available through Surface Commercial authorized device resellers. Components can be replaced on-site by a skilled technician following Microsoft's Service Guide. Microsoft tools (sold separately) may also be required. Availability of replacement components and service options may vary by product, market and over time. See Surface service options - Surface | Microsoft Learn. Opening and/or repairing your device can present electric shock, fire and personal injury risks and other hazards. Use caution if undertaking do-it-yourself repairs. Unless required by law, device damage caused during repair will not be covered under Microsoft's Hardware Warranty or protection plans.
13. Surface for Business compliance, safety, and regulatory resources, 2025
    Microsoft Corporate Responsibility
14. Requires Intune subscription, not included with Surface.



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