



Microsoft Surface

Surface Pro 10 for Business Product FAQ

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The most productive Surface Pro that adapts to how and where you want to work

Meet Surface Pro 10, the ultra-versatile device for your business that delivers tablet portability and blazing-fast performance with all-day battery life¹. Powered by the latest Intel processors, your teams can unleash their creativity, unlock productivity, and uplevel skills with Copilot for Microsoft 365² from anywhere.

Packed with enterprise-grade features such as optional 5G connectivity³, an AI-powered ultrawide field of view

Studio Camera, a high-definition anti-reflective touchscreen that delivers stunning visuals, and an NFC reader⁴ for password-free sign-in. All backed with uncompromising chip to cloud security from Microsoft to keep your company and customer data secure.



1. **Typical device usage:** Battery life varies significantly based on usage, network and feature configuration, signal strength, settings and other factors. See aka.ms/SurfaceBatteryPerformance for details.

2. Copilot for Microsoft 365 sold separately and requires a qualifying volume license or subscription. Microsoft Copilot for Microsoft 365 | Microsoft 365

3. 5G will be available later in 2024, but not in all areas; compatibility and performance depends on carrier network, plan and other factors. See carrier for details and pricing.

4. NFC is only available on Wi-Fi configurations of Surface Pro 10.

Surface Pro 10 for Business technical specifications

Table 1. Surface Pro 10 for Business commercial tech specs

| Feature | Description |
|------------------------------|---|
| Processor | <ul style="list-style-type: none"> – Intel® Core™ Ultra 5 processor 135U – Intel Core Ultra 7 processor 165U – NPU: Intel AI Boost |
| Graphics | <ul style="list-style-type: none"> – Intel Graphics |
| Memory | <ul style="list-style-type: none"> – 8 GB, 16 GB, 32 GB, 64 GB LPDDR5x |
| Storage ⁵ | <ul style="list-style-type: none"> – Removable⁶ solid-state drive (Gen 4 SSD): 256 GB, 512 GB, 1 TB |
| Display | <ul style="list-style-type: none"> – Touchscreen: 13" PixelSense™ Flow display⁷ – Resolution: 2880 × 1920 (267 PPI) – Aspect ratio: 3:2 – Contrast ratio: 1300:1 – Refresh rate: up to 120 Hz (Dynamic refresh rate supported) – Color profile: sRGB and Vivid – Individually color-calibrated display – Adaptive color – Touch: 10-point multi-touch – Dolby Vision® IQ support⁸ – Corning® Gorilla® Glass 5 – Anti-reflective – Brightness: SDR 600 nits maximum (typical) |
| Size and Weight ⁹ | <ul style="list-style-type: none"> – Length: 11.3 inches (287 mm) – Width: 8.2 inches (208.6 mm) – Height: 0.37 inches (9.3 mm) – Weight: 1.94 lbs. (879 g) |

5. System software and updates use significant storage space. Available storage is subject to change based on system software and updates and apps usage. 1 GB = 1 billion bytes. 1 TB = 1,000 GB. See [Surface Storage](#) for more details.

6. Solid State Drive (SSD) Retention is only available on Microsoft Surface devices in which the SSD is marketed as removable per the Technical Specifications. Solid State Drive (SSD) Retention is included in both Extended Hardware Service Plus and Microsoft Complete for Business Plus and is also available as an Optional Add-on when purchasing Microsoft Extended Hardware Service and Microsoft Complete for Business. Devices returned to Microsoft with a missing Solid-State Drive (SSD) are subject to a Solid State Drive (SSD) replacement fee unless the device is enrolled in the Drive (SSD) Retention offer.

7. Surface Pro 10 display has rounded corners within a standard rectangle. When measured as a standard rectangular shape the screen is 13" diagonally (actual viewable area is less).

8. Requires Dolby Vision® encoded content and video.

9 Weight not including Type Cover.

| Feature | Description |
|------------------|---|
| Battery Life | <ul style="list-style-type: none"> – Wi-Fi models: Up to 19 hours of typical device usage¹⁰ |
| Security | <ul style="list-style-type: none"> – Hardware TPM 2.0 chip for enterprise-grade security and BitLocker support – Windows Hello facial recognition with Enhanced Sign-in Security – NFC authentication¹¹ – Windows 11 Secured-core PC |
| Cameras | <ul style="list-style-type: none"> – Quad HD front-facing Surface Studio Camera <ul style="list-style-type: none"> – 1440p Quad HD camera with ultrawide field of view – Windows Studio Effects with automatic framing, eye contact, and background blur – 10.5 MP Ultra HD rear-facing camera – Windows Hello face authentication camera |
| Audio | <ul style="list-style-type: none"> – Dual Studio Mics with voice focus¹² – 2 W stereo speakers with Dolby® Atmos®¹³ – Support for Bluetooth® LE Audio |
| Ports & charging | <ul style="list-style-type: none"> – 2 × USB-C® with USB 4®/Thunderbolt™ 4 with support for: <ul style="list-style-type: none"> – Charging – Data transfer – DisplayPort 2.1 with support up to 1 × 8K monitor – Supports fast charging with minimum 45 W power supply via Surface Connect or USB-C¹⁴ – Surface Connect port – Surface Pro Keyboard port – NanoSIM¹⁵ |

10. Typical device usage: Testing conducted by Microsoft in February 2024 using preproduction Windows 11 software and preproduction Surface Pro 10 Intel® Core™ Ultra 7 processor 165U, 512GB, 16GB RAM devices. Testing consisted of full battery discharge with a mixture of active use and modern standby. The active use portion consists of (1) a web browsing test accessing eight popular websites over multiple open tabs, (2) a productivity test utilizing Microsoft Word, PowerPoint, Excel, OneNote and Outlook, and (3) a portion of time with the device in use with idle applications. All settings were default except screen brightness was set to 150 nits with auto-brightness and adaptive color disabled. Wi-Fi was connected to a network. Tested with Windows 11 Version 22H2 (22H2). Battery life varies significantly with settings, usage, and other factors.

11. NFC is only available on Wi-Fi configurations of Surface Pro 10.

12. Voice focus requires activation, requires Windows 11 and is available in apps which use integrated device microphones and use certain Windows audio processing modes.

13. Requires Dolby® Atmos® encoded content/audio.

14. In select markets, only specific configurations come with 39 W Surface power supply. Fast Charging (from 5% to 80%) is supported with minimum 45W Surface power supply or USB-C® PD charger, sold separately. Testing was conducted at Microsoft in February 2024, using pre-production devices, software, and minimum of 45W USB-C® charger under controlled conditions. The device was powered on to the desktop screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23C

15. Surface Pro 10 for Business only.

| Feature | Description |
|--------------------------------------|---|
| Network & connectivity | Surface Pro 10 for Business <ul style="list-style-type: none"> – Wi-Fi 6E: 802.11ax compatible¹⁶ – Bluetooth 5.3 with Enhanced Low Energy (LE) support |
| | Surface Pro 10 with 5G for Business¹⁷ <ul style="list-style-type: none"> – Wi-Fi 7:¹⁸ 802.11be compatible – Bluetooth 5.3 with Enhanced Low Energy (LE) support – Location: GPS, Glonass, Galileo, GNSS L1, BDS, QZSS – NanoSIM and eSIM support¹⁹ 5G, 4G LTE, and 3G support <ul style="list-style-type: none"> – 5G-NR SA/NSA, Release 15, DL 256 QAM up to 2.8 Gbps, 4x4 MIMO, UL 64 QAM – 4G Gigabit LTE – Advanced Pro, Release 15, DL Cat 19 up to 2Gbps, 256QAM, 4x4 MIMO, LAA, 5x DL CA, UL Cat 18, 64 QAM, Contiguous 2x ULCA – 3G WCDMA – 5G-NR Bands: n1, n2, n3, n5, n7, n8, n12, n14, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79 – LTE Bands: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 42, 48, 66, 71 – WCDMA Bands: 1, 2, 4, 5, 8 |
| Pen compatibility | <ul style="list-style-type: none"> – Designed for Surface Slim Pen²¹ – Integrated storage and wireless charging for Surface Slim Pen with Surface Pro Keyboard with pen storage¹⁴ – Supports tactile signals²⁰ with Surface Slim Pen²¹ – Supports Microsoft Pen Protocol (MPP) |
| Keyboard ²² compatibility | <ul style="list-style-type: none"> – Surface Pro Keyboard – Surface Pro Signature Keyboard – Surface Pro X Signature Keyboard – Surface Pro X Keyboard |
| Software | <ul style="list-style-type: none"> – Windows 11 Pro²³ – Preloaded Microsoft 365 Apps²⁴ |

16. Wi-Fi 6E is not available in all areas.

17. Surface Pro 10 with 5G will be available later in 2024 and not available in all areas. eSIM and 5G support are also not available in all areas; compatibility and performance depends on carrier network, plan and other factors. See carrier for details and pricing.

18. Wi-Fi 7 not available in all areas.

19. eSIM support may vary by carrier.

20. Tactile signals with Surface Slim Pen can be experienced on some applications on Surface Pro 10 running Windows 11. Surface Slim Pen sold separately.

21. Surface Slim Pen sold separately.

22. Keyboards sold separately.

23. Windows 10 is not available for purchase but is supported by Surface Pro 10. Visit <https://aka.ms/SurfaceSupportedOperatingSystems> for more information.

24. Requires license or subscription (sold separately) to activate and use.

| Feature | Description |
|----------------|---|
| | <ul style="list-style-type: none"> – Microsoft 365 Business Standard, Microsoft 365 Business Premium, or Microsoft 365 Apps 30-day trial²⁵ |
| Accessibility | <ul style="list-style-type: none"> – Compatible with the optional bold keyset on Surface Pro Keyboard²⁶ – Compatible with Surface Adaptive kit – Compatible with Microsoft Adaptive Accessories – Includes Windows Accessibility Features – Learn More Accessibility Features Microsoft Accessibility – Discover more Microsoft Accessible Devices & Products - Accessible Devices & Products for PC & Gaming Assistive Tech Accessories - Microsoft Store |
| Sustainability | <p>Surface Pro 10 for Business is designed with sustainability in mind</p> <p>More recycled materials</p> <ul style="list-style-type: none"> – Enclosure is made with a minimum of 72% recycled content, including 100% recycled aluminum alloy and 100% recycled rare earth metals.²⁷ <p>More energy efficient</p> <ul style="list-style-type: none"> – ENERGY STAR® certified <p>More repairable</p> <ul style="list-style-type: none"> – The most easily serviceable Surface Pro ever, with a built-in QR code that provides access to repair instructions. Clear visual icons identify the number of screws and driver types needed for key components²⁸ <p>Surface Trade-in</p> <ul style="list-style-type: none"> – We make trade-in convenient and secure for our commercial customers in the USA at Microsoft Trade In Program – Microsoft is committed to be carbon negative, water positive, and achieve zero waste by 2030. Learn more about how we design with sustainability in mind: Sustainable Products & Solutions Microsoft CSR <ul style="list-style-type: none"> – Microsoft Surface Sustainability - Microsoft Sustainability |

25. Activation required. If your device is managed by your organization's IT department, contact your IT administrator for activation. After 30 days, you will be charged the applicable monthly or annual subscription fee. Credit card required. Cancel any time to stop future charges. See <https://aka.ms/m365businesstrialinfo>.

26. Surface Pro Keyboard with optional Bold keyset available only in US English.

27. Enclosure includes Bucket and Kickstand. 100% recycled aluminum alloy in Bucket and Kickstand. 100% recycled rare earth metals in magnets. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure, UL 2809-2, Second Edition, November 7, 2023.

28. 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.

| Feature | Description |
|--|---|
| Serviceability²⁸ | Replaceable components include: <ul style="list-style-type: none"> – Display module – Removable solid-state drive – Battery – Motherboard (including main processor and main memory) – Surface Connect – Thermal module – Microphone module – Solid-state drive door – Speakers – Enclosure (bucket) – Front camera – Rear camera – Power and volume buttons – Kickstand – Device entry kit – SIM card connector²⁹ |
| Exterior | <ul style="list-style-type: none"> – Casing: Anodized aluminum – Colors³⁰: Platinum, Black – Physical Buttons: Volume, Power |
| Kickstand | <ul style="list-style-type: none"> – Kickstand with 165 degrees full friction hinge |
| Sensors | <ul style="list-style-type: none"> – Surface Pro 10 Wi-Fi: Ambient color sensor, Accelerometer, Gyroscope, Magnetometer, & NFC – Surface Pro 10 with 5G: Ambient color sensor, Accelerometer, Gyroscope, & Magnetometer |
| What's in the box | <ul style="list-style-type: none"> – Surface Pro 10 – 39 W Power Supply¹⁴ (In select markets, available only with specific configurations) – Quick Start Guide – Safety and warranty documents |
| Warranty³¹ | <ul style="list-style-type: none"> – 1-year Microsoft limited hardware warranty |
| Battery Capacities³² | <ul style="list-style-type: none"> – Battery Capacity Nominal (Wh) 48 – Battery Capacity Min (Wh) 47 |

29. Surface Pro 10 for Business only.

30 Colors available on selected models only. Available colors, sizes, finishes, and processors may vary by store, market, and configuration

31. Microsoft's Limited Warranty is in addition to your consumer law rights. See also: [Surface Warranty, Service Offerings & Support Plans – Microsoft Surface for Business Warranties](#).

32. Might vary depending on manufacturing processes.

Introduction

Who is Surface Pro 10 for Business for?

- **Government:** Today's modern government workplace thrives on connection and data-driven insights. With the flexibility and performance of Surface Pro 10 for Business and innovative security solutions, government personnel can be productive and secure from anywhere. Through our security solutions, IT admins can electively choose to enable or disable hardware-based components, in addition to boot options, on a per-device basis—all secured via PKI. With the Surface Thunderbolt™ 4 Dock,³³ you can ensure that only trusted devices can dock and have access to USB data transfer. And with Designed for Surface accessories get added security and protection with cases and solutions with smart card readers.
- **Financial services:** Meet your banking customers with what they need, where they need it with the versatility and performance of Surface Pro 10. Look your best on client calls with our AI-powered Studio Camera and Mics and also in person with our premium design with brilliant 13" PixelSense™ touch screen. Solve any problem for your customers with safe and secure access to your customers' financial data, run complex models, and sign contracts with Surface Slim Pen.²¹
- **Health care and mobile patient care providers:** Your patients depend on you, and you depend on secure access to information and the ability to connect with doctors and specialists wherever you are. Surface Pro 10 for Business can help you provide top-tier patient care in person and digitally, all with enterprise-grade security to keep patient information private and secured. Surface Pro 10 for Business is flexible as you are and can be used as a tablet or a laptop so you can interact effectively with the apps you rely on. Lightweight, it's easy to carry with you all day and keep clean and sanitized, and optional accessories can help you keep it protected, and anti-microbial.
- **Retail:** Empower your retail professionals with the data and insight they need to be able to respond to customers quickly in your retail environment. Check inventory and process transactions with mobile POS apps built for touch all while keeping customer data safe and secured. Get added versatility with Designed for Surface accessories like kiosk stands, point of sale solutions, and rugged cases.
- **Manufacturing:** Bring the versatility and productivity of Surface Pro 10 for Business into the field or the shop floor while keeping your employees and data safe and secured with Designed for Surface military grade rugged cases*. With the performance from the latest Intel® Core™ Ultra processors packed into a thin and light, touch-optimized design, and enable your employees to solve complex problems quickly and safely from anywhere.

What's new for Surface Pro 10?

NFC-enabled passwordless authentication

- Elevate security and convenience across your organization with NFC on Surface Pro 10. This feature enables users to securely and effortlessly sign in with their corporate badges, offering:

33. Surface Thunderbolt 4 Dock sold separately.

- **Seamless authentication:** Enable easy device or application access by using FIDO2 NFC security keys, which require an Azure Active Directory (AAD) or Microsoft MSA account. For instance, simply tap a badge to seamlessly sign into Windows or Windows 365 with your AAD or MSA account
- **ID verification:** Simplify identity verification and account connection in custom Line of Business (LOB) applications by tapping a bank card against the device.³⁴
- **Asset tracking:** Enhance asset management with NFC by reading from and writing to NFC tags directly with Surface Pro 10.
- **Improved usability:** Enhanced interaction model and performance make NFC on Surface Pro 10 intuitive, with options for deploying an NFC lockscreen for user guidance.

Enhanced display features for optimal readability

- **Anti-Reflective Display:** Minimize eye strain and enhance display readability in both indoor and outdoor environments with Surface Pro 10's anti-reflective technology.
- **Brighter Display:** With a 600-nit LCD display, Surface Pro 10 ensures outstanding outdoor readability, keeping users productive in any setting.

Surface Thunderbolt 4 Dock: Transform Surface Pro 10 into a full workstation

- Easy connection to dual 4K monitors at 60 Hz.
- Additional USB ports, Ethernet, and audio jack capabilities.
- Wake on LAN for efficient remote device management, ensuring devices can be managed in any power state when connected to the dock.

Surface IT Toolkit

- The Surface IT Toolkit, available April 9, is a compilation of essential Surface device management tools in a single, downloadable application to provide a more efficient device management experience for IT administrators. Designed for businesses of all sizes, it delivers simplicity, improved data security, and compliance for your Surface devices. To learn more, see [Surface Tools](#) below.

Surface Management Portal

- Gain deeper insights and control over the device lifecycle with Intune, featuring firmware and driver status updates, API capabilities for warranty and device information integration, and support for diverse business processes like multiple billing addresses, global replacement device shipping, and a carbon emissions calculator

Peripheral compatibility

- Surface Pro 10 is rigorously tested with the most common commercial peripherals, ensuring interoperability. The [Positive Experience List \(PEL\)](#) provides transparency on tested and compatible

³⁴ NFC-based ID verification requires a custom Line of Business (LOB) application developed specifically for your organization's needs, as this functionality is not supported natively by Windows 11.

peripherals, aiding sellers and customers.

What makes Surface Pro 10 a premium device?

- **NFC authentication:** Implement NFC technology to provide secure and efficient authentication for shared PC environments and frontline workers, streamlining access without compromising security.
- **Audio system:** Stereo front-firing speakers with Dolby Atmos create an immersive audio experience, ideal for media consumption and presentations.
- **Conferencing optimizations:** Dual studio microphones are finely tuned for clarity, enhancing communication in Teams and video conferencing applications.
- **Videoconferencing suite:** A front-facing 12 MP camera with a 114-degree wide field of view, supported by the Intel AI Boost NPU, offers superior video quality. This, along with a new, brighter display with anti-reflective technology equips users with a premium video conferencing setup.
- **Display innovations:** The new display, boasting 600 nits of brightness and a 1400:1 contrast ratio with an anti-reflective technology, ensures excellent outdoor visibility and readability in various lighting conditions.
- **Color accuracy:** The PixelSense touchscreen with Dolby Vision® is calibrated for a precise color representation, ensuring a Delta-E color accuracy of less than 1 across all colors, making it suitable for design and content creation tasks that demand color fidelity.
- **Serviceability:** A push-to-open SSD door simplifies the process of SSD removal, facilitating easier maintenance and upgrades in commercial settings.
- **Build quality:** The device's fit and finish exemplify the premium quality expected from a top-tier 2-in-1 device, contributing to its standout market position.
- **Bluetooth enhancements:** Bluetooth LE Audio not only improves the quality of audio and video conferencing but also enhances the listening experience for music and movies, supporting the latest in Bluetooth audio technology.

Table 2. Side-by-side comparison

| Component | Surface Pro 9 | Surface Pro 10 |
|-----------|---|--|
| Processor | 12th Gen Intel Core i7 or 12th Gen Intel Core i5 processors (Devices configured with 256 GB storage or greater built on the Intel Evo™ platform) | Intel Core Ultra 5 Processor 135U – 1.6 GHz P-Core Base Frequency – 4.4 GHz P-Core Turbo Boost Frequency Intel Core Ultra 7 Processor 165U – 1.7 GHz P-Core Base Frequency – 4.9 GHz P-Core Turbo Boost Frequency |
| Graphics | Intel Iris Xe graphics | Intel Graphics |

| Component | Surface Pro 9 | Surface Pro 10 |
|----------------------|--|--|
| | | – 2 GHz GPU frequency |
| NPU | N/A | Intel AI Boost |
| Memory | 8 GB, 16 GB, 32 GB LPDDR5 RAM | 8 GB, 16 GB, 32 GB, 64 GB LPDDR5x RAM |
| Storage ⁵ | Removable drive (SSD) ³⁵ options: – 128 GB, 256 GB, 512 GB, 1 TB | Removable drive (SSD) ⁶ options: – M.2 2230 256 GB, 512 GB, 1 TB |
| Display | Touchscreen: 13" PixelSense Flow Display | Touchscreen: 13" PixelSense Flow Display |
| | Resolution: 2880 × 1920 (267 PPI) | Resolution: 2880 × 1920 (267 PPI) |
| | Dynamic refresh rate up to 120 Hz | Dynamic refresh rate up to 120 Hz |
| | Color profile: sRGB and Vivid | Color profile: sRGB and Vivid Individually color-calibrated display |
| | Aspect ratio: 3:2 | Aspect ratio: 3:2 |
| | Contrast ratio: 1200:1 | Contrast ratio: 1300:1 |
| | Adaptive Color | Adaptive Color |
| | N/A | Dolby Vision IQ support ⁸ |
| | N/A | Auto Color Management support |
| | 10-point multi-touch | 10-point multi-touch |
| | GPU Ink Acceleration | GPU Ink Acceleration |

³⁵. Drive (SSD) Retention is only available on Microsoft Surface devices in which the SSD is marketed as removable per the Technical Specifications. Drive (SSD) Retention is included in Microsoft Complete for Business Plus and is available as an Optional Add-on when purchasing Microsoft Extended Hardware Service and Microsoft Complete for Business. Except for Surface Pro X and Surface Pro 7+, devices returned to Microsoft with a missing SSD are subject to an SSD replacement fee unless the user is enrolled in the Drive (SSD) Retention offer.

| Component | Surface Pro 9 | Surface Pro 10 |
|---------------------------|--|--|
| | N/A | Anti-reflective technology |
| | Brightness: 450 nits typical | Brightness: SDR 600 nits maximum (typical) |
| | Corning Gorilla Glass 5 | Corning Gorilla Glass 5 |
| | External display support: <ul style="list-style-type: none"> Up to 1 × 5K @ 60 Hz Up to 2 × 4K@60 Hz | External display support: <ul style="list-style-type: none"> Up to 1 × 8K @ 60 Hz Up to 1 × 5K @ 60 Hz Up to 2 × 4K @ 60 Hz For more information, see Table 7 |
| Dimensions | Length: 11.3 inches (287 mm) Width: 8.2 inches (208 mm) Height: 0.37 inch (9.3 mm) | Length: 11.3 inches (287 mm) Width: 8.2 inches (208 mm) Height: 0.37 inch (9.3 mm) |
| Weight ⁹ | Weight: 1.94 lb. (879 g) | Weight 1.94 lb. (879 g) |
| Battery Life ¹ | Wi-Fi models <ul style="list-style-type: none"> Up to 15.5 hours³⁶ of typical device usage | Wi-Fi models <ul style="list-style-type: none"> Up to 19 hours¹⁰ of typical device usage |
| | 5G models <ul style="list-style-type: none"> Up to 19 hours of typical device usage | 5G models <ul style="list-style-type: none"> Battery life estimates for typical device usage pending |
| Cameras and Video | Front-Facing Camera: <ul style="list-style-type: none"> 5.0MP with 1080p full HD video | Front-Facing Camera: <ul style="list-style-type: none"> 12MP with 1440p@30 fps (Quad HD) video |

36. Surface Pro 9: Up to 15.5 hours of battery life based on typical Surface device usage. Testing conducted by Microsoft in August 2022 using preproduction software and preproduction Intel® 12th Gen Core™ i5, 256GB, 8GB RAM device. Testing consisted of full battery discharge with a mixture of active use and modern standby. The active use portion consists of (1) a web browsing test accessing eight popular websites over multiple open tabs, (2) a productivity test utilizing Microsoft Word, PowerPoint, Excel, OneNote and Outlook, and (3) a portion of time with the device in use with idle applications. All settings were default except screen brightness was set to 150 nits with Auto-Brightness and Adaptive Color disabled. Wi-Fi was connected to a network. Tested with Windows Version 11.0.22621 (21H2). Battery life varies significantly with settings, usage and other factors.

| Component | Surface Pro 9 | Surface Pro 10 |
|------------------------|---|--|
| | | <ul style="list-style-type: none"> Fixed focus Ultra-Wide FOV, 114-degree DFOV after lens distortion correction (LDC) |
| | Rear-Facing Camera: 10 MP autofocus <ul style="list-style-type: none"> 1080p HD and 4K video | Rear-Facing Camera: 10 MP autofocus <ul style="list-style-type: none"> 4K@30 fps video 77° DFOV |
| | IR camera: <ul style="list-style-type: none"> Windows Hello face authentication camera | IR camera: <ul style="list-style-type: none"> Windows Hello face authentication ESS (Enhanced Sign-In Security) |
| Network & Connectivity | Wi-Fi 6E: 802.11ax compatible Bluetooth Wireless 5.1 technology | Surface Pro 10 <ul style="list-style-type: none"> Wi-Fi 6E: 802.11ax compatible Bluetooth Wireless 5.3 technology (including LE functionality) |
| | N/A | Surface Pro 10 with 5G for Business³⁷ <ul style="list-style-type: none"> Wi-Fi 7:¹⁸ 802.11be compatible Bluetooth® Wireless 5.3 technology (including LE functionality) Location: GPS, Glonass, Galileo, GNSS L1, BDS, QZSS NanoSIM and eSIM¹⁹ support 5G, 4G LTE, and 3G support <ul style="list-style-type: none"> 5G-NR SA/NSA, Release 15, DL 256 QAM up to 2.8 Gbps, 4x4 MIMO, UL 64 QAM 4G Gigabit LTE – Advanced Pro, Release 15, DL Cat 19 up to 2Gbps, 256QAM, 4x4 MIMO, LAA, 5x DL CA, UL Cat 18, 64 QAM, Contiguous 2x ULCA 3G WCDMA 5G-NR Bands: n1, n2, n3, n5, n7, n8, n12, n14, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79 LTE Bands: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 42, 48, 66, 71 WCDMA Bands: 1, 2, 4, 5, 8 |

³⁷ Surface Pro 10 with 5G will be available later in 2024 and not available in all areas. eSIM and 5G support are also not available in all areas; compatibility and performance depends on carrier network, plan and other factors. See carrier for details and pricing.

| Component | Surface Pro 9 | Surface Pro 10 |
|---------------------------------|--|---|
| Ports | <ul style="list-style-type: none"> – 2 × USB-C with USB 4.0/ Thunderbolt 4 – 1 × Surface Connect port – 1 × Surface Type Cover port | <ul style="list-style-type: none"> – 2 × USB-C with USB 4.0/ Thunderbolt 4 – 1 × Surface Connect port – 1 × Surface Type Cover port – M.2 rSSD |
| Buttons | Volume Up/Down, Power | Volume Up/Down, Power |
| Security | <ul style="list-style-type: none"> – Hardware TPM 2.0 chip for enterprise-grade security and BitLocker support – Enterprise-grade protection with Windows Hello face sign-in – Windows11 Secured-core PC | <ul style="list-style-type: none"> – Hardware TPM 2.0 chip for enterprise-grade security and BitLocker support – Enterprise-grade protection with Windows Hello face sign-in with Enhanced Sign-in Security and NFC authentication – Windows 11 Secured-core PC |
| Sensors | <ul style="list-style-type: none"> – Accelerometer – Gyroscope – Magnetometer – Ambient Color sensor | <ul style="list-style-type: none"> – Accelerometer – Gyroscope – Magnetometer – Ambient Color sensor – NFC |
| Audio | <ul style="list-style-type: none"> – Dual Studio Mics with Voice Clarity. – 2-Watt Stereo Speakers with Dolby® Atmos®¹³ – Bluetooth Audio | <ul style="list-style-type: none"> – Dual Studio Mics with voice focus. – 2-Watt Stereo Speakers with Dolby Atmos¹³ – Bluetooth LE Audio |
| Pen & accessories Compatibility | <ul style="list-style-type: none"> – Designed for Surface Slim Pen⁶ – Integrated storage and wireless charging for Surface Slim Pen with Surface Pro Signature Keyboard – Supports tactile signals¹⁸ with Surface Slim Pen – Supports Microsoft Pen Protocol (MPP) | <ul style="list-style-type: none"> – Designed for Surface Slim Pen³⁸ – Integrated storage and wireless charging for Surface Slim Pen with Surface Pro Signature Keyboard³⁸ – Supports tactile signals with Surface Slim Pen – Supports Microsoft Pen Protocol (including MPP 2.6) <p>Keyboard Compatibility</p> <ul style="list-style-type: none"> – Surface Pro Signature Keyboard – Surface Pro Keyboard – Surface Pro X Signature Keyboard – Surface Pro X Keyboard |

³⁸ Sold separately. Software license required for some features.

| Component | Surface Pro 9 | Surface Pro 10 |
|------------------------|--|--|
| Kickstand | <ul style="list-style-type: none"> – Kickstand with 165 degrees full friction hinge | <ul style="list-style-type: none"> – Kickstand with 165 degrees full friction hinge |
| Software | <ul style="list-style-type: none"> – Windows 11 Pro – Preloaded Microsoft 365 Apps – Microsoft 365 Business Standard, Microsoft 365 Business Premium, or Microsoft 365 Apps 30-day trial | <ul style="list-style-type: none"> – Windows 11 Pro 23H2 – Preloaded Microsoft 365 Apps – Microsoft 365 Business Standard, Microsoft 365 Business Premium, or Microsoft 365 Apps 30-day trial |
| What's in the box | <ul style="list-style-type: none"> – Surface Pro 9 – 65W Power Supply – Quick Start Guide – Safety and warranty documents | <ul style="list-style-type: none"> – Surface Pro 10 – 39W Power Supply – Quick Start Guide – Safety and warranty documents |
| Warranty ¹⁶ | <ul style="list-style-type: none"> – 1-year limited hardware warranty | <ul style="list-style-type: none"> – 1-year limited hardware warranty |
| Serviceability | Replaceable ¹⁷ components include: <ul style="list-style-type: none"> – Kickstand – Display (Screen) – Removable solid-state drive (rSSD) – Battery – Motherboard – Surface Connect – Thermal Module – Speakers – SSD Door – Enclosure (bucket) – Camera Front & Rear – Power & Volume Buttons – Camera & Wi-Fi Deck | Replaceable components include: <ul style="list-style-type: none"> – Kickstand – Display module – Removable solid-state drive – Battery – Motherboard ³⁹ – Surface Connect – Thermal module – Speakers – SSD door – Enclosure (bucket) – Front camera – Rear camera – Power and volume buttons – Device entry kit – SIM card connector⁴⁰ – Microphone module |

What are the benefits of the new anti-reflective display on Surface Pro 10?

This technology supports a seamless work experience by offering a display that's comfortable to view under any lighting condition, ensuring users can stay productive and focused without the distraction of screen glare or eye fatigue. Surface Pro 10's anti-reflective display reduces reflections by up to 50% making it easier to see what's on your screen in bright light conditions or even outdoors.

- **Easier on the eyes:** The anti-reflective technology on the display minimizes glare and reduces

³⁹ Includes main processor and main memory

⁴⁰. Surface Pro 10 for Business only.

reflections by up to 50%, making it more comfortable to view your screen for extended periods.

- **Improved outdoor visibility:** Taking your work outside or in brightly lit areas is more viable. The anti-reflective technology significantly enhances screen readability in sunlight, allowing you to work effectively without losing visibility to glare.
- **Consistent, true-to-life colors:** Every screen with the Surface anti-reflective solution is fine-tuned to display neutral, accurate colors. This means what you see on your screen is consistent across different devices, making it ideal for tasks requiring color precision.

How does the anti-reflective technology work?

- The anti-reflective technology is a special layer added to the cover glass on Surface Pro 10, designed to reduce glare. This is achieved by using a series of very thin layers that have different levels of light-bending ability. These layers are carefully chosen and arranged to cancel out some of the light that would normally bounce off the surface, while allowing more light to pass through. As a result, screens with anti-reflective technology reflect less light, helping make the images on the display clearer and sharper, especially in bright conditions, by minimizing unwanted light reflections.

Does the anti-reflective technology impact the inking experience in any way?

- No. The anti-reflective technology does not impact the inking experience.

What is Enhanced Sign-in Security?

- Enhanced Sign-in Security refers to an advanced layer of security added to the Windows Hello facial recognition feature, designed to provide enterprise-grade protection. It works by integrating additional security measures that make the sign-in process more secure and resistant to spoofing or unauthorized access attempts.
 - **Sophisticated Authentication:** Enhanced Sign-in Security utilizes advanced algorithms and sensor technology to more accurately verify the user's identity, reducing the risk of false acceptances or rejections. It ensures that the facial recognition process is not easily deceived by photographs, masks, or other facial replicas.
 - **Compliance and Data Protection:** For organizations that handle sensitive information or need to comply with strict regulatory standards, Enhanced Sign-in Security provides a robust sign-in mechanism that helps meet these requirements by ensuring only authorized users can access the device.

Performance & specifications

How does performance compare with Surface Pro 9?

- Overall performance: Up to 53% faster.⁴¹
- Surface Pro 10 for Business is the most powerful and most versatile Surface Pro-
- Surface Pro 10 for Business is equipped with Intel Core Ultra Processors featuring an integrated NPU

⁴¹. Based on 3D Mark TimeSpy benchmark measuring graphic performance compared to Surface Pro 9 (Intel).

that runs locally, enabling enhanced AI experiences without burdening the CPU.

Table 3. Performance and innovation comparison: Surface Pro 10 for Business vs. Surface Pro 9

| Feature | Surface Pro 10 for Business |
|--|--|
| Processor speed ⁴² & multitasking | Intel Core Ultra 7 <ul style="list-style-type: none"> Up to 21% faster than Surface Pro 9 with 12th Gen Intel Core i7. Intel Core Ultra 5 <ul style="list-style-type: none"> Up to 15% faster Up to 15% faster than Surface Pro 9 with 12th Gen Intel Core i5. |
| Graphics | Up to 1.5 times faster. |
| Web-based applications | Up to 21% faster. |
| Innovations | First 2-in-1 with Intel AI Boost. First 2-in-1 with the new Intel Core Ultra processors. |
| Energy efficiency | Intel AI Boost saves battery life when using Windows Studio Effects. ⁴³ |
| Display & connectivity | Maximize your productivity with 2 x USB-C Thunderbolt 4 ports. With ultra-high speed data transfer, the versatility to connect the most important peripherals like docks, and fast-charging support. Supports DisplayPort 2.1: Great content on 8K external displays with a single cable. |
| Device interoperability | The most commonly used monitors, docks, cables, and adapters in commercial are tested ⁴⁴ extensively to ensure interoperability with Surface Pro 10 for Business. |

Is Surface Pro 10 built on the Intel vPro platform?

- No. Surface offers a unique value proposition that delivers a comparable level of security and management capabilities already built in. Surface Pro 10 offers the highest level of Windows Security as a Secured-core PC. It can be managed and updated via the cloud and deployed through modern

42. Testing done using CineBench 23 multi thread benchmark.

43. Compared to devices without Intel AI Boost.

44. List of tested monitors, docks, cables, and adapters can be found at [Tested peripherals for new Surface devices - Surface | Microsoft Learn](#).

tools such as Intune admin center and Windows Autopilot.

Do all Surface Pro 10 SKUs have fans?

- Yes. All Intel SKUs have active cooling.

What's the brightness range?

- Surface Pro 10 supports brightness down to 2 nits and a maximum of 600 nits.

Do you recommend running Surface Pro 10 at the 120 Hz refresh rate?

- Surface Pro 10 supports a dynamic refresh rate of up to 120 Hz. We built Surface Pro 10 with an option to change the default 60 Hz refresh rate to 120 Hz, which means 120 frames per second are shown.
- When inking, the pen tip and ink flow together with near-zero latency. Upon inking on the display using a Surface Slim Pen, the user will notice how natural the pen tip and ink flow together with near-zero latency.¹⁸
- NOTE: Like turning up the brightness, a higher refresh rate will affect battery life.

Will we be offering a Surface Pro device with an AMD processor?

- Not at this time.

Does Surface Pro 10 feature a microSD slot for expandable storage?

- No, Surface Pro 10 does not include a microSD slot. To accommodate storage needs, users are encouraged to explore cloud storage solutions or external USB storage options for additional space.

Has the RAM been updated as well?

- Yes, it uses LPDDR5x RAM.

How does the latest RAM improve performance?

- **Speed:** LPDDR5x is an enhanced version of LPDDR5, with speeds potentially up to 8533 Mbps or higher, offering faster data rates.
- **Improved efficiency:** While maintaining low power consumption, LPDDR5x introduces refinements for better power efficiency.
- **Increased bandwidth:** LPDDR5x continues to push the boundaries of memory bandwidth to accommodate the needs of more data-intensive applications.

Cost & value

SKUs and availability

What AI features can I use with Surface Pro 10?

- **Microsoft Copilot:** Take advantage of our intelligent AI assistant designed to help you work more productively, boost efficiency, and improve business outcomes with Microsoft Copilot for Microsoft 365.³⁹ Safeguard your proprietary business information while harnessing the power of generative AI.
- **Copilot in Windows:** Access Copilot in Windows by pressing the dedicated key on the Surface Pro Keyboard.⁴⁵ From adjusting your PC's settings to organizing your windows with Snap Assist, Copilot saves you time and helps you be more efficient.
- Copilot in Windows helps you stay focused while it performs the tasks you need to get done. From adjusting your PC's settings to organizing your windows with Snap Assist, Copilot saves you time and helps you be more efficient.
- **Upgraded Windows Studio Effects:** Experience the refined version of Windows Studio Effects with enhanced accessibility and user-friendly configuration options directly from the Quick Settings panel, ensuring optimal video and audio quality across various applications that use the Surface's integrated camera and microphone.
 - **Intelligent auto-framing with super resolution:** Implement advanced video technology that dynamically keeps call participants in focus, enhancing their appearance even in low frame rate scenarios, helping ensure they always look professional on camera.
 - **Background Portrait blur:** Activate real-time background blurring to maintain the emphasis on the speaker, minimizing visual noise and keeping meetings distraction-free.
 - **Natural eye contact enhancement:** Utilize subtle digital adjustments to make the speaker appear to be engaging directly with the camera, helping foster a stronger sense of connection and attentiveness in video interactions.

Security

Near Field Communication (NFC)

What NFC functionality is available with Surface Pro 10?

- NFC⁴⁶ in Surface Pro 10 is designed to enhance security and convenience for users. It facilitates Azure Active Directory (AAD) and Microsoft Account (MSA) authentication via FIDO2.0 standards, enabling secure access and sign-in.
- Additionally, Surface Pro 10 is capable of reading and writing NFC tags. It can also read personal and

⁴⁵. Sold separately.

⁴⁶. NFC is only available on Wi-Fi configurations of Surface Pro 10.

financial information stored on the magnetic stripe of a bank card, such as a credit or debit card, (known as Track 1 and Track 2 data).

- See [Appendix](#) for detailed technical information about NFC.

How does Surface Pro 10 enable NFC wayfinding?

- A custom lock screen will be available to download and deploy to devices to assist with NFC wayfinding. To learn more, see [NFC and Surface devices](#) (to be published upon general availability).

What is NFC wayfinding?

- NFC wayfinding leverages the simplicity and convenience of NFC technology to improve how individuals interact with and navigate through physical spaces, making it a valuable tool for enhancing user experience, engagement, and accessibility. Common benefits of wayfinding include the following scenarios:
 - **Navigation assistance:** NFC tags can be placed at key points within a building or outdoor area. For example, tapping your device against an NFC tag, can display a map, directions, or information relevant to your location, helping you navigate complex spaces like hospitals, museums, universities, or shopping centers.
 - **Accessibility:** NFC wayfinding can improve accessibility for individuals with disabilities by providing audio directions, descriptive content, or tailored assistance based on the user's needs when they interact with NFC tags.
 - **Information access:** Beyond just directions, NFC wayfinding can offer detailed information about products in a store enhancing the visitor experience without the need for guided tours or physical brochures.
 - **Interactivity and engagement:** In entertainment or retail settings, NFC wayfinding can be used to create interactive experiences, encouraging visitors to explore different areas by tapping NFC tags to unlock content, rewards, or special offers.

Where is the NFC reader located on Surface Pro 10?

- The NFC reader is located in the upper left bezel of the device, under the display.

TIP: Align NFC card with the center of the Power button where the antenna is located.

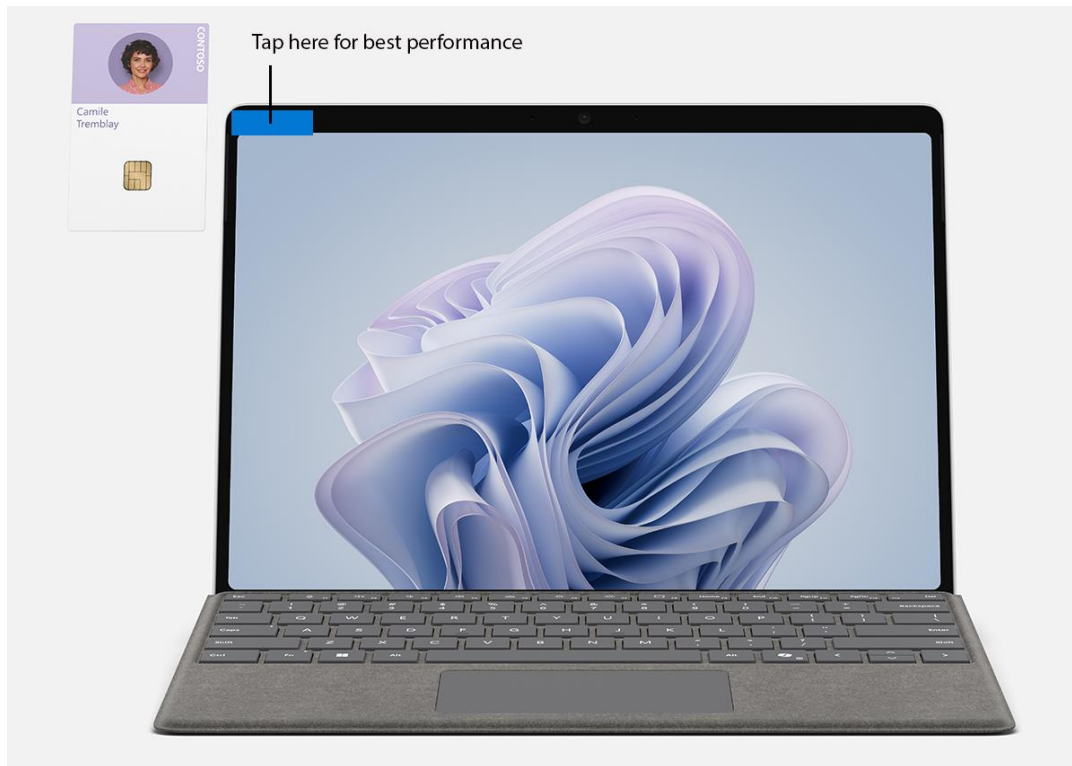


Figure 1. Location of NFC reader

Does NFC login have the same 10-user limit as Windows Hello for Business?

- No. For devices with more than 10 users, or for users that sign in to many devices (for example, a support technician), it's recommended to use a FIDO2 security key as enabled by NFC.

Why doesn't Surface Pro 10 support NFC payments?

- We engineered NFC in Surface Pro 10 for enterprise customers where the primary applications of NFC technology extend to authentication, access control, and the exchange of information. These use cases are fundamental in environments that demand heightened security and streamlined operations, such as workplaces and educational institutions. Consequently, we focused on enhancing features critical to these sectors, including secure login processes and the ability to read and write NFC tags efficiently. This strategic choice allows us to tailor Surface Pro 10 to the specific needs of our target audience, prioritizing functionalities that support professional activities over consumer-oriented transactions like NFC payments.

See [Appendix](#) for detailed technical information about NFC.

Processor improvements for security

What advantages do Secured-Core PCs offer for handling sensitive data?

- Designed with deep integration between hardware and software and featuring the most advanced CPUs available, Secured-core PCs are intended to handle mission-critical data in some of the most

data-sensitive industries. A Secured-core PC is a modern Windows device that comes with the highest level of hardware, software and identity protection ready right out-of-the-box. To learn more, see [Windows 11 Secured-Core PCs | Microsoft](#).

- Secured-core PCs are the most secure Windows 11 devices. Surface is designed to elevate the benefits of Windows 11 security, providing additional hardware and software protection for employees that handle the most sensitive data in your organization.

How do the Intel Core Ultra processors help customers stay secure?

- Users are better protected with AI-powered security capabilities that can help detect threats before they happen, including ransomware, crypto jacking, and software supply chain attacks, thanks to Intel Threat Detection Technology (Intel TDT).

Lock down ports in highly secure environments

Does Surface Pro 10 support Dynamic USB-C disablement?

- Yes, Surface Pro 10 supports dynamic USB-C disablement, which enables customers operating in highly secure work environments to prevent USB theft of confidential data and provide more control to organizations. When paired with the Surface Thunderbolt 4 Dock, IT admins can lock down USB-C ports whenever Surface Pro 10 is undocked or connected to an unauthorized dock. This means that when your users are connected to an authorized dock in the office, the USB-C ports will have full functionality over their devices. However, when they go off-site, they can still connect to a dock to use accessories or a monitor but can't use the USB ports to transfer data.
- To learn more, see [Manage USB ports on Surface devices - Surface | Microsoft Learn](#).

TPM

What TPM is supported on Surface Pro 10?

- Surface Pro 10 utilizes a discrete Trusted Platform Module (TPM) 2.0 and are certified for government and security-minded enterprise standards, achieving FIPS 140-2 Level 2 with Intrusion Detection and Common Criteria / EAL4.

Why is a discrete TPM 2.0 chip important for security in a commercial environment?

- **Enhanced security and integrity:** TPM 2.0 offers a hardware-based solution for securing cryptographic keys, ensuring that only trusted software is run during the boot process, thereby protecting against unauthorized access and malicious attacks.
- **Advanced encryption and authentication:** It securely manages encryption keys for disk encryption like BitLocker, supports multi-factor authentication methods, and protects against brute-force attacks, enhancing data protection and user authentication.
- **Compliance and remote attestation:** Meets regulatory compliance requirements for security standards, and facilitates remote attestation, allowing devices to verify their integrity and trustworthiness in remote and cloud computing environments.

SSD retention

What's the primary purpose of having a removable SSD for commercial enterprises?

- The rSSD helps businesses maintain control of their sensitive information.⁴⁷
- It also facilitates servicing and repair: Retaining data is made easy with the ability to retain the SSD.

When will the Surface Drive Retention service plan offer be available for purchase?

- Surface Drive (SSD) Retention is available on Surface devices where the SSD is marketed as removable, subject to terms and conditions. To learn more, see [Surface Warranty, Protection Plans & Support](#).

Manageability & integration

Windows 10 end of service

Will Surface Pro 10 be offered with Windows 10? Is an N-1 OS supported?

- No, customers requiring Windows 10 will need to downgrade from Windows 11 via an MSI file.

I need to use Windows 10. How can I downgrade?

- For step-by-step instructions, see [Downgrade from Windows 11 to Windows 10 via MSI file](#).

What happens to Windows 10?

- We'll continue to support Windows 10 until Oct. 14, 2025. More information can be found on our [lifecycle page](#).

Surface tools

What's the Surface IT Toolkit?

- The Surface IT Toolkit is a compilation of essential Surface device management tools in a single, downloadable application to provide a more efficient device management experience for IT administrators. Designed for businesses of all sizes, it delivers simplicity, improved data security, and compliance for your Surface devices.

⁴⁷. Drive (SSD) Retention is only available on Microsoft Surface devices in which the SSD is marketed as removable per the Technical Specifications. Drive (SSD) Retention is included in Microsoft Complete for Business Plus and is available as an Optional Add-on when purchasing Microsoft Extended Hardware Service and Microsoft Complete for Business. Except for Surface Pro X and Surface Pro 7+, devices returned to Microsoft with a missing SSD are subject to an SSD replacement fee unless the user is enrolled in the Drive (SSD) Retention offer.

- Surface IT Toolkit is set to release April 9, 2024.

Which current tools will be part of the toolkit?

- Functionality from the following tools will be part of the toolkit:
 - Surface UEFI Configurator
 - Surface Data Eraser
 - Surface Brightness Control
 - Surface Asset Tag
 - [App Console component](#) of Surface Diagnostic Toolkit for Business

Will individual tools still be available as separate downloads from the Download Center?

- No. Individual tools remain available until April 9, 2024.

Is every Surface tool now in the Surface IT Toolkit?

- The [Desktop component](#) of Surface Diagnostic Toolkit for Business remains a separate tool.

Why are you releasing the Surface IT Toolkit?

- **Improved efficiency.** Improve your IT efficiency and productivity by using a single application to access essential Surface device management tools in one place,
- **More control.** Maintain more control over hardware and software issues through a single application, that can lock down hardware components, securely and safely erase all data, assign digital asset tags and more.
- **Security and resiliency.** Improve device security and resiliency with the ability to effectively control and deactivate any components at the firmware level that compromise security.

What features are you highlighting for the toolkit?

- **Surface Unified Extensible Firmware Interface (UEFI) Configurator** lets organizations manage UEFI configurations on supported devices so IT staff can effectively control and deactivate any components at the firmware level that compromise security.
- **Surface data eraser** removes data from a Surface device using a NIST Special Publication 800-88 Revision 1 NVM Express format command. Additionally, it allows for the creation of certificates of sanitization for record keeping and auditing purposes.
- **Toolkit library** stores important tools that can be deployed to end users, keeping them up to date and provides IT with a description of what users can do.
- **Surface recovery tool** provides the ability to perform a device reset to revert a device back to a factory state for troubleshooting scenarios. It will also help manage previously downloaded factory images to assist in the re-use without downloading.
- **Self-updating application** that removes the task of individual tool updates, providing IT with an improved device management experience.

Will Surface IT Toolkit be an .exe download or an app from the Microsoft Store?

- The Surface IT Toolkit will be released in the MSIX package format on the Microsoft Download Center.
- MSIX provides a modern packaging experience for Windows apps. MSIX brings several key benefits and features designed to make application deployment and management more streamlined, secure, and reliable across different Windows devices and platforms, including Windows 10 and later versions.

Can Surface IT Toolkit run from a bootable USB drive to pull down replacement images?

- Yes, if customers are replacing the SSD or need to reimage Surface Pro 10, Surface IT Toolkit can build the selected BMR on a functioning device and create the USB. That USB can then be applied to the target device.

Is the Surface IT Toolkit part of the Surface Management Portal?

- The Surface IT Toolkit functions as a separate tool and will be linked from SMP.

Enterprise management

What's new for IT admins in Enterprise environments?

- **Centralized configuration management.** Remotely deploy updates, activate eSIM⁴⁸ data plans in bulk, and manage your Surface devices down to the firmware layer through the cloud with Microsoft Endpoint Manager and DFCI.⁴⁹ Built with control for IT to enable and disable essential hardware components (camera, Bluetooth) at highly secure locations for advanced protection.
- **Windows 11 security.** Windows 11 Pro is built to be secure right out-of-the-box. New Windows 11 devices integrate hardware and software for powerful, out-of-the-box protection including a reported 3.1X reduction in firmware attacks.⁵⁰
- **Streamlined IT tools.** Maintain even more control over your devices with Surface Kakadu. Through a single application, you can easily troubleshoot both hardware and software issues, lock down hardware components, securely and safely erase all data, assign digital asset tags and more.
- **Dynamic USB-C disablement.** With the Surface Thunderbolt 4 Dock you can protect your organization's data from unauthorized USB access. Dynamic USB-C Disablement allows IT admins to control the functionality of the USB-C ports on Surface Pro 10. When the device is connected to an authorized dock, the USB-C ports work normally. When the device is undocked or connected to an untrusted dock, the USB-C ports are disabled for data transfer. This way, have more control and can prevent data theft and have more security over your devices.⁴¹
- **Secure NFC authentication.** More ways to securely sign-in and authenticate with Windows Hello. Use the built-in NFC reader,⁴ available on Wi-Fi models only, to sign in with your badge or use

48. Surface Pro 10 with 5G will be available later in 2024 and not available in all areas. eSIM and 5G support are also not available in all areas; compatibility and performance depends on carrier network, plan and other factors. See carrier for details and pricing.

49. Sold separately. Software license required for some features.

50. Windows 11 results are in comparison with Windows 10 devices. "Windows 11 Survey Report," Techaisle, February 2022.

biometrics through facial recognition.

- **More serviceable components.** Surface Pro 10 is easier to service with replaceable component^{s28} and service options that can help increase your return on investment. Major components in Surface Pro 10, including the motherboard, battery, cameras, and more are replaceable through a network of Authorized service providers or on-site through a skilled technician.
- **Surface Management Portal.** Remotely manage and monitor your Surface devices with ease. The Surface Management Portal empowers you to administer warranty, troubleshoot, and gain the insights needed to effectively manage Surface devices & accessories all through one place.

What new features/capabilities are available on the latest devices with SEMM?

- Microsoft Surface Enterprise Management Mode (SEMM) is a feature of all Surface for Business devices that allows organizations to remotely secure and manage device firmware. This provides an additional layer of security and control for commercial customers, allowing organizations to adjust settings at the firmware level, like the ability to turn off cameras, control access to USB ports, Bluetooth settings and more. To learn more, see [Surface Enterprise Management Mode \(SEMM\)](#).

What's the complete list of UEFI settings that can be managed with SEMM?

- To manage Surface Pro 10 with SEMM, refer to [Configure advanced settings with SEMM](#).

What's the advantage of Microsoft's UEFI compared with third-party UEFI?

- Microsoft developers write the UEFI⁵¹ on Surface Pro 10, a security-driven decision that ensures full oversight and direct control over every line of code. This eliminates the complexity and risk of relying on third-party vendors or subcontractors.
- Third-party UEFI that relies on outside vendors or subcontractors may be more exposed to security vulnerabilities.
- Microsoft's UEFI is automatically updated via Windows Update.

Is support for DFCI the same as Surface Pro 9?

- Yes, commercial SKUs of Surface Pro 10 can be managed using Device Firmware Configuration Interface (DFCI) profiles via Microsoft Endpoint Manager with Intune.

Are there new DFCI settings?

- No new DFCI settings. For all supported DFCI settings, see [Manage DFCI on Surface devices](#).

51. Surface Go and Surface Go 2 use a third-party UEFI and do not support DFCI. DFCI is currently available for Surface Pro 10, Surface Laptop Go, Surface Book 3, Surface Laptop 3, Surface Pro 7+, Surface Pro 7, and Surface Pro X. [Find out more](#) about managing Surface UEFI settings.

What's the difference between SEMM and DFCI?

Table 4. Side-by-side comparison: SEMM vs DFCI

| Category | SEMM (Surface Enterprise Management Mode) | DFCI (Device Firmware Configuration Interface) |
|----------------------|--|--|
| Purpose | Secure and manage UEFI firmware settings on Surface devices | Manage UEFI settings across various devices, including Surface, via cloud |
| Settings | Provides more firmware settings than DFCI | Provides a subset of firmware settings available in SEMM |
| Implementation tools | Surface UEFI Configurator and UEFI Manager tools | Microsoft Intune & other cloud-based management platforms |
| Target devices | Surface devices only | Supports a range of devices that adhere to the DFCI standard Still almost exclusively Surface |
| Management approach | Requires physical or local deployment of a configuration package | Enables zero-touch, remote deployment of firmware settings |

How does DFCI elevate Surface as a preferred choice in enterprise environments compared to other OEMs lacking this feature?

Device Firmware Configuration Interface (DFCI) profiles provide IT admins in enterprise environments with a powerful tool to manage device firmware settings securely and efficiently, enhancing both security and operational efficiency. Advantages include the following:

- **Remote management of firmware settings:** DFCI enables IT admins to remotely manage and configure firmware settings on devices, allowing for the efficient deployment and maintenance of secure configurations across the enterprise without needing physical access to each device.
- **Enhanced device security:** By controlling firmware settings, IT admins can secure devices against unauthorized changes and potential vulnerabilities. This includes disabling USB ports, configuring boot options, and ensuring that security features like Secure Boot are always enabled, helping protect devices from malware and tampering.
- **Simplified device configuration and deployment:** DFCI profiles simplify the process of configuring new devices and deploying them within the enterprise. IT admins can apply standardized firmware settings to multiple devices at once, ensuring consistency and compliance with corporate security policies.
- **Cost reduction and efficiency:** With the ability to manage devices remotely and enforce security policies through firmware, enterprises can reduce the costs associated with IT support and device maintenance. DFCI profiles eliminate the need for manual configuration and physical inspections, freeing up IT staff to focus on other tasks.
- **Improved compliance and auditing:** DFCI profiles help ensure that all devices comply with corporate security standards and regulatory requirements. IT admins can audit firmware settings remotely,

making it easier to demonstrate compliance during security audits and assessments.

What advantages do Secured-Core PCs offer for handling sensitive data?

- Designed with deep integration between hardware and software and featuring the most advanced CPUs available, Secured-core PCs like Surface Pro 10 are intended to handle mission-critical data in some of the most data-sensitive industries. A Secured-core PC is a modern Windows device that comes with the highest level of hardware, software and identity protection ready right out-of-the-box. To learn more, see [Windows 11 Secured-Core PCs | Microsoft](#).
- Secured-core PCs are the most secure Windows 11 devices. Surface is designed to elevate the benefits of Windows 11 security, providing additional hardware and software protection for employees that handle the most sensitive data in your organization.
- Secured-core PCs, like Surface Pro 10 are the most secure Windows 11 devices for workers who need a multi-layered security system (L3 requirements) to handle the most sensitive data.

App Assure

Where can customers get help with app compatibility?

- Go to [App Assure with Microsoft FastTrack](#) and get app compatibility assistance when deploying Windows 10 and Windows 11, including ARM64 devices, Microsoft 365 Apps, Microsoft Edge, Azure Virtual Desktop, and Windows 365. This is included at no additional cost with your [eligible Microsoft 365 or Windows 10/11 plans](#). There is no minimum number of licenses required.

Is App Assure just for Microsoft software?

- No. App Assure can help remediate custom line-of-business apps, engage third-party software vendors to help with Windows 10/11 apps, and address issues with Microsoft 365 Apps macros and add-ins.

Durability & service

What's new for serviceability in Surface Pro 10?

| Benefit | Description |
|--------------------------------------|---|
| Designed with sustainability in mind | In 2020, we announced that Microsoft will be a carbon negative, water positive, zero waste company that protects ecosystems—all by 2030. At Surface, we design products with the circular economy in mind, making sustainability a core part of our Surface product promise. |
| More recycled materials | <ul style="list-style-type: none"> – Surface Pro 10 is designed with sustainability in mind. – We are developing opportunities to recycle and then reuse aluminum manufacturing scrap in device production, allowing us to use lower-carbon, 100% post-industrial recycled aluminum for Surface computer enclosures. – We are developing initiatives to lower our carbon emissions by using more recycled materials. – Surface Pro 10's enclosure is made with a minimum of 72% recycled content, including 100% recycled aluminum alloy and 100% recycled rare earth metals.⁵² – Made with more recycled materials than Surface Pro 9, including a minimum of 72% recycled content in the enclosure.⁵³ – Surface Pro 10 contains a minimum of 24% recycled content.⁵⁴ |
| More energy efficient | <ul style="list-style-type: none"> – Reduce your energy consumption with Surface Pro 10, an ENERGY STAR® certified device.⁵⁵ – Surface Pro 10 delivers higher performance while using less energy than Surface Pro 9 (Wi-Fi-only models).⁵⁶ Surface Pro 10 is more energy efficient than Surface Pro 9 (Wi-Fi-only models).⁵⁶ – Surface Pro 10 is ENERGY STAR certified, 71% better than the ENERGY STAR limit. – More Windows settings for power savings – Power efficient settings in Windows help extend your battery life due to reduced charging cycles. |

⁵². Enclosure includes Bucket and Kickstand. 100% recycled aluminum alloy in Bucket and Kickstand. 100% recycled rare earth metals in magnets. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure, UL 2809-2, Second Edition, November 7, 2023.

⁵³. Enclosure includes Bucket and Kickstand. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure, UL 2809-2, Second Edition, November 7, 2023

⁵⁴ Excludes power supply. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure for Recycled Content, UL 2809-2, Second Edition, November 7, 2023.

⁵⁵. Computers that have earned the ENERGY STAR label are third-party certified to be energy efficient and use 25% - 40% less than conventional models by using the most efficient components and better managing energy use when idle.

⁵⁶. Based on comparison of ENERGY STAR® ratings.

| | |
|-----------------------|--|
| | <ul style="list-style-type: none"> Where available, Windows Update can schedule installations at specific times of day when lower carbon electricity options are powering the grid, resulting in lower carbon emissions.⁵⁷ |
| More energy efficient | <ul style="list-style-type: none"> Increased device repairability can offer significant carbon emissions and waste reduction benefits. Error! Bookmark not defined. Surface continues to invest in this important space by designing products that are easier to repair with more replacement components and expanded device repair options. Surface Pro 10 is easier to service than Surface Pro 9 with replaceable components and service options that can help increase your return on investment. Major components in Surface Pro 10, including the motherboard, battery, cameras, and more are replaceable through a network of Authorized service providers or on-site through a skilled technician.²⁸ Surface Pro 10 has multiple replaceable components, maximizing the life of your device.²⁸ Surface Pro 10 is even easier to repair with clear icons that identify the number of screws and driver types needed for key components along with a built-in QR code that provides convenient access to instructions.²⁸ |
| Easy to redeploy | <ul style="list-style-type: none"> Make it easier to reuse devices and pass them on to new employees by maintaining control of your sensitive information with a removable hard drive for data retention⁶ |

Serviceability

What do you mean by serviceability?

- Serviceability refers to our commitment to providing customers with options for servicing their devices.
- We are committed to designing our products to deliver what customers need and want in a premium device, including multiple service options. We are working with our industry partners to provide repair options that ensure the quality of repairs, safeguard consumers' privacy and security, and protect consumers from injury.

What are the serviceable components?

- Surface Pro 10: Replaceable components include:
 - Display module
 - Removable solid-state drive
 - Battery
 - Motherboard (including main processor and main memory)
 - Surface Connect
 - Thermal module
 - Microphone module

⁵⁷. When devices are plugged in, turned on, connected to the Internet and where regional carbon intensity data is available from [WattTime](#). See [site](#) for details.

- Solid-state drive door
- Speakers
- Enclosure (bucket)
- Front camera
- Rear camera
- Power and volume buttons
- Kickstand
- Device entry kit
- SIM card connector⁵⁸

Where is the SSD located?

- The SSD compartment is located on the right rear of the device underneath the kickstand and is marked with key module information and applicable usage labels.

What type of SSD is in Surface Pro 10?

- Surface Pro 10 integrates a PCIe NVMe SSD drive in an M.2 2230 form factor.

When and where will replaceable components be available to purchase?

- Components will be available from [Authorized Microsoft Resellers](#) shortly after the initial launch; the timing of availability varies by component and market.
- New SSDs will be available for purchase through the known commercial channels and published on pricelist. To learn more, see [Authorized Microsoft Reseller List](#).

Will a commercial customer's warranty be voided if they upgrade their SSD?

- Upgrading the SSD does not void the warranty, but the warranty does not cover damage to the device resulting from the repair. Likewise, the SSD warranty will not cover the damage if the SSD (as a replaceable component) is damaged during installation. Microsoft does not advise installing an SSD that has not been tested for device configuration. Microsoft ensures product quality and tests hardware configuration before sale. Please note installing a third-party SSD or a Microsoft Surface replaceable component with a replaceable component different from the original SSD may result in reduced performance and unsupported configurations.

Is it possible to install third-party, off-the-shelf SSDs?

- Microsoft does not advise users to install an SSD that has not been tested for their device configuration. Microsoft takes measures to ensure product quality and test hardware configurations offered for sale. Installing a third-party SSD or a different Microsoft SSD (of another volume size) may result in reduced performance and unsupported configurations.
- Customers can take advantage of commercial spares to be offered via authorized Surface resellers.

⁵⁸. Surface Pro 10 for Business only.

What is the primary purpose of having a removable SSD for commercial enterprises?

- The rSSD helps businesses maintain control of their sensitive information.⁵⁹
- It also facilitates servicing and repair: Retaining data is made easy with the ability to retain the SSD.

When will the Surface Drive Retention service plan offer be available for purchase?

- Surface Drive (SSD) Retention is available on Surface devices where the SSD is marketed as removable, subject to terms and conditions. To learn more, see [Surface Warranty, Protection Plans & Support](#).

Are replaceable components available to send to the customer on-demand for in-warranty repair events?

- Surface Laptop feet are the only component Microsoft has made available directly to commercial customers upon request. If the feet come off a Surface Laptop and the device is covered by a Microsoft warranty or an extended protection plan, a customer can contact Microsoft support, and Microsoft will ship the replacement feet free of charge. All other replaceable components must be purchased through a Microsoft Authorized Device Reseller.

How will Customer IT Pros learn to make repairs? Do they need to be certified by Microsoft?

- Commercial customers do not require certifications to repair or service a Surface device using replaceable components. Self-service repairs should only be performed on eligible devices by a skilled technician following Microsoft-provided service guide instructions. A non-skilled technician attempting to perform a repair may cause injury to themselves or others or may cause damage to the device. Microsoft is not liable for any damage or injuries sustained. Device damage caused during a repair will not be covered under Microsoft's Hardware Warranty or extended protection plans.

What comes in the box when I purchase a commercial spare? Are there installation instructions?

- The rSSD Commercial Spare Package includes only the replacement SSD and basic instructions. For complete instructions, refer to the appropriate service guide available on the [Microsoft Download Center](#). It is recommended to store the rSSDs in their original packaging until they are used to prevent potential damage due to stacking.

Is there a software tool to erase the content of my old SSD?

- You can use [Surface Data Eraser](#) or reimage the device to securely wipe all data stored on the SSD.

⁵⁹. Drive (SSD) Retention is only available on Microsoft Surface devices in which the SSD is marketed as removable per the Technical Specifications. Drive (SSD) Retention is included in Microsoft Complete for Business Plus and is available as an Optional Add-on when purchasing Microsoft Extended Hardware Service and Microsoft Complete for Business. Except for Surface Pro X and Surface Pro 7+, devices returned to Microsoft with a missing SSD are subject to an SSD replacement fee unless the user is enrolled in the Drive (SSD) Retention offer.

The SSD must be installed during the process. Surface SSDs are encrypted by default.

Does the commercial spare SSD need to be imaged?

- Yes. After a new SSD has been introduced in a host PC, users can either clone the old SSD to the new SSD using third-party tools and then subsequently recover the BitLocker volume via BitLocker Recovery or reimage the device with the [Surface Recovery Image](#) and re-configure the device.

What is the support process for returning a device after removing the SSD?

- When the SSD is removed for the purposes of data retention following Microsoft instructions and sent for repair or replacement services, a replacement device, including a functioning SSD, will be issued. Customers who wish to retain the SSD may do so but will be charged the cost of the missing SSD unless they have purchased a Surface Drive Retention service plan, which allows customers to retain their SSD and control their data without incurring additional costs.
- In all cases, the device must be returned to Microsoft — closed and in assembled condition — to ensure adequate protection for the device's internal circuitry and battery during shipment. See [Packing and shipping instructions for Surface devices](#) for more information.
- For information on Microsoft Surface Support, visit [Surface Warranty Information](#).

Sustainability considerations

How can customers estimate the carbon footprint of their Surface devices?

- We have developed a dynamic way for commercial customers to gain insight into the carbon footprint of their entire Surface device fleets. Sellers can use the Surface Emissions Estimator to help customers estimate the carbon reduction associated with adopting new devices⁶⁰

How does Surface compare to other computers in the industry?

- We applaud any meaningful steps taken to advance the cause of sustainability. This is an area of focus for Microsoft as well. Progress will require effort and innovation from everyone. You can learn more about Microsoft's work in sustainability at [Environmental Sustainability | Microsoft CSR](#).

What are you doing to reduce the environmental impact of your devices?

- Sustainability has long been a core priority for Microsoft, and that commitment is embedded in all we do – including our devices. The best source of information about the Devices team's work on sustainability is our [Devices Sustainability Report](#).
- Over the past decade, we've steadily improved energy efficiency, decreased packaging waste, reduced or eliminated hazardous substances, and improved our devices' serviceability and recyclability.
- We have also worked to help improve the sustainability of our suppliers and supply chain. For example, this year, we converted our main European distribution center for Surface devices into a

⁶⁰ The Microsoft Surface Emissions Estimator is only available in certain markets and only applies to Surface devices currently for sale. Contact your Surface seller for more details.

facility [powered 100% by Renewable Energy](#). We have also engineered new manufacturing techniques that reduce carbon emissions and waste, such as our new "stamping" method used to produce the base of the Surface Laptop Studio, eliminating significant amounts of manufacturing waste.

What is Microsoft's stance on the Right to Repair?

- Microsoft has a longstanding commitment to environmental sustainability. We also have a longstanding commitment to building high-quality, innovative, and safe devices that customers love. We have been taking steps for years to improve device repairability and to expand the available choices for device repair.
- For more information on our work around sustainability, including repairability, please consult the [Microsoft Sustainability Report](#).

Why did you only offer sustainable packaging for Surface for Business Customers?

- Sustainability has long been a core priority for Microsoft, and that commitment is embedded in all we do – including our devices. We are committed to achieving 100% recyclable packaging by 2030, and our Surface packaging is well on its way to meeting that goal.
- Our Surface packaging is more sustainable than ever. Across both consumer and commercial, there's less overall packaging, and what remains has more recycled content than ever before and is highly recyclable.
- The Surface for Business packaging is optimized for large-scale deployments by featuring a no-frills, recycled cardboard box to limit waste and increase efficiency.

Why don't improvements in repairability or serviceability come to all Surface products at the same time?

- Surface has grown into a portfolio of products, each of which is on a different development timeline. As we innovate across each, we do so with the goal of steady improvements to repairability.

Power and battery

How are you measuring battery life?

- When we announce Surface Pro 10, we'll include estimates for Typical device usage. Later this year, we'll supplement these estimates with numbers for Local video playback and Active web usage.

How does Typical device usage compare with other ways of measuring battery life?

- **Typical device usage.** Represents a mixed-use scenario that might include browsing the internet, using productivity software (like word processors or spreadsheets), checking emails, and occasional streaming of media content. It is designed to mimic a day in the life of an average user.
- **Local video playback.** Measures battery life when a device is used to play video files stored locally, meaning they are played directly from the device's storage rather than streamed over the internet. This scenario typically involves less power consumption than active web usage because it doesn't

require the use of networking hardware and often relies on optimized playback software that can take advantage of hardware acceleration.

- **Active web usage.** Reflects battery life during continuous use of web-based applications and browsing. This scenario is more demanding than local video playback since it involves constant data exchange over Wi-Fi or cellular networks, frequent screen refreshes, and possibly more intensive CPU and GPU usage.

How long does it take to charge Surface Pro 10?

- It takes about an hour to charge Surface Pro 10 to 80%⁶¹ using the inbox 65W PSU.

What power supply is included?

- 39W PSU, in select markets, available only with specific configurations.

Will inbox PSUs continue to have Surface Connect?

- Yes.

Will it harm the battery to have the device plugged in and on all the time?

- No, the Surface charger is designed to adjust charging so that it is no longer charging your device once the battery reaches capacity.

Can I charge this device with another Surface Charger?

- Yes, but if the wattage is insufficient, a message will be displayed indicating the slow charge status.

What is typical device usage in your new battery claim?

- We leverage qualitative and quantitative data from numerous sources to determine typical Surface device usage. This reflects how our customers use our devices and includes time in modern standby, browsing websites, working in Office, and applications running in idle mode when the device is open.

⁶¹. Testing conducted at Microsoft in August 2022 using pre-production devices and Software. Tested with the inbox 65W PSU under controlled conditions. Device was powered on to desktop screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23C

Connectivity and expansion

What's new for ports in Surface Pro 10?

- Dynamic USB-C disablement is a new feature that enables customers operating in highly secure work environments to prevent USB theft of confidential data and provide more control to organizations. When paired with the Surface Thunderbolt 4 Dock, IT admins can lock down USB-C ports whenever Surface Pro 10 is undocked or connected to an unauthorized dock. This means that when your users are connected to an authorized dock in the office, the USB-C ports will have full functionality over their devices. However, when they go off-site, they can still connect to a dock to use accessories or a monitor but can't use the USB ports to transfer data.

How can I compare docking solutions for Surface Pro 10?

Table 5. Extend Surface Pro 10 with Surface Docks & USB-C Travel Adapter Hub

| Feature | Surface Thunderbolt 4 Dock | Surface Dock 2 | USB-C Travel Adapter Hub |
|---|--|--|---|
| Connection type | Thunderbolt 4 | Surflink USB Gen 2 + DP 1.4 High Bit Rate 3 (HBR3) | USB 3.2 Gen 2 Type-C MFD |
| Display support | 2× 4K UltraHD @ 60 Hz on any 2 of 3 USB-C ports | 2× 4K UltraHD @ 60 Hz on two rear side USB-C ports | 1× HDMI UltraHD @ 60 Hz or 1× VGA QuadHD @ 60 Hz |
| USB ports | 3× USB-A with USB 3.2 Gen 2 (10Gbps) | 2× USB-A with USB 3.2 Gen 2 (10Gbps) | 1× USB-A and 1× USB-C with USB 3.2 Gen 2 (10Gbps) |
| Ethernet support | 2.5 Giga Ethernet | Giga Ethernet | Giga Ethernet |
| Audio jack | 3.5mm with stereo output and mic input | 3.5mm with stereo output and mic input | N/A |
| Charging power | USB PD 3.0 with 60W charging rate | 120W Surflink charging | N/A |
| Device trust ⁶² | Only trusted devices can access USB data transfer | Only trusted devices can access USB data transfer | N/A |
| Dynamic USB-C disablement ⁶³ | USB-C data, Ethernet data, USB-C audio, display out and power functions only when the device is connected to an authorized Surface Thunderbolt 4 Dock. | N/A | N/A |

62. Requires SEMM for enrolled docks and host devices. Learn more at [Secure Surface Dock ports with Surface Enterprise Management Mode \(SEMM\) - Surface | Microsoft Learn](#).

63. Requires SEMM for enrolled Surface Thunderbolt 4 Docks and host devices. Learn more at [Manage USB ports on Surface devices - Surface | Microsoft Learn](#).

To learn more, see:

- [What's new in Surface Thunderbolt 4 Dock - Surface | Microsoft Learn](#)
- [Surface Dock 2 overview - Surface | Microsoft Learn](#)

What's the external monitor support?

- The following table shows the maximum refresh rates and resolution when connecting external monitors to Surface Pro 10.

Table 6. External monitor support

| Interface | One External Display (Plus Internal LCD) | | Two External Displays (Plus Internal LCD) | |
|--|---|----------------------|--|-----------------------|
| | Max Refresh | Max Resolution | Max Refresh | Max Resolution |
| USB-C DisplayPort 2.1 | 60 Hz | 7680 × 4320 (8K) | 60 Hz | 3840 × 2160 (4K) |
| USB-C Thunderbolt 4 | 60 Hz | 5120 × 2880 (5K) | 60 Hz | 3840 × 2160 (4K) |
| USB-C on Surface Dock 2 | 60 Hz | 5120 × 2880 (5K) | 60 Hz | 4096 × 2160 (4K UHD) |
| | 120 Hz | 4096 × 2160 (4K UHD) | | |
| Mini DisplayPort (mDP) on Surface Dock 1 | 60 Hz | 4096 × 2160 (4K DCI) | 30 Hz | 4096 × 2160 (4K UHD) |
| | | | 60 Hz | 2560 × 1440 (Quad HD) |

How is Bluetooth improved in Surface Pro 10?

- **Enhanced efficiency & connectivity:** Bluetooth 5.3 introduces improvements in signal management, reducing interference and ensuring more stable, reliable connections, especially in environments crowded with wireless signals.
- **Low energy audio technology:** Supports Bluetooth Low Energy (LE) Audio, offering high-quality sound while significantly reducing power consumption, enabling longer battery life for audio devices and wearables.
- **Multi-stream audio support:** Facilitates simultaneous audio streaming to multiple devices, such as earbuds or speakers, improving the synchronization and offering a richer, more immersive listening experience.

Does Surface Pro 10 have an audio jack?

- No.

Tested peripherals

What peripherals have you tested for Surface Pro 10

- The most commonly used monitors, docks, cables, and adapters in commercial are tested extensively to ensure interoperability with Surface Pro 10. For a complete list, see [Tested peripherals for new Surface devices](#).
- For the best experience, be sure to get the latest updates. To manage your options and see available updates, select **Start** > **Settings** > **Windows Update**.

What if a peripheral is not included in your testing? Will it still work?

- The [testing results](#) cover popular in-market peripherals but are not intended to be comprehensive. Many peripherals not shown may still function as expected.
- Based on our research, we estimate that customers will have a generally positive experience with these peripherals. Testing took place Aug-Oct 2022 and is continuing for other devices across the Surface family.

Pro keyboards

What are the new Keyboard options?

- See the following table for updated branding. The Surface Pro Keyboard with optional Bold keyset is available only in US English.

Table 7. Surface Pro Keyboard options

| Keyboard | New features |
|--|--|
| Surface Pro Keyboard (no pen storage) | Copilot key Microphone mute key Snipping key |
| Surface Pro Keyboard with pen storage (standalone) | Copilot key Microphone mute key Snipping key |
| Surface Pro Keyboard with Slim Pen (bundle) | Copilot key Microphone mute key Snipping key |

Will previous generation type covers -- without a Copilot key -- also be compatible?

- Existing Pro Keyboards used for Pro 8, Pro 9, and Pro X are compatible with Surface Pro 10. The exception is the Pro Fingerprint Reader Keyboard - that will no longer be compatible

Audio and camera

What new camera capabilities are included with Surface Pro 10?

A new and improved camera supporting Windows Studio Effects is reinventing how we work in virtual and hybrid environments.

- Front-facing Camera: 2MP, 1080p Full HD front-facing Camera, 114 degree FOV.
- IR Camera: 0.3MP, Windows Hello Face Authentication with ESS (Enhanced Sign-in Security).
- Windows Studio Effects provides automatic framing, eye contact, and background blur.

Accessories

Microsoft adaptive accessories

What are Microsoft adaptive accessories?

- The Microsoft adaptive accessories are highly adaptable, easy-to-use accessories that let you customize your mouse, keyboard inputs, and shortcuts—empowering you to create your ideal setup, increase productivity, and use your favorite apps more effectively. For more customization, you can 3D print additional designs through Shapeways.⁶⁴

What are the components of the Microsoft adaptive accessories?

- The Microsoft Adaptive Mouse:** An Adaptive Mouse you can use by itself as a stand-alone compact travel mouse or customize with a Microsoft Adaptive Mouse Tail and Thumb Support, or 3D printed tails to make a mouse that truly works for you.
- Microsoft Adaptive Mouse Tail and Thumb Support:** The Adaptive Mouse Tail and Thumb Support⁶⁵ can be easily attached to the Microsoft Adaptive Mouse to create a traditional mouse that's incredibly light and portable. The thumb support accessory easily switches sides for left or right handedness.
- Microsoft Adaptive Hub:** A central Adaptive Hub that can pair with up to four wireless adaptive buttons and standard wired connections to let you design the setup that works best for you. Augment traditional keyboards and increase your productivity through a hub and wireless buttons that let you create custom inputs.

⁶⁴ Sold separately. 3D print services provided and warranted exclusively by Shapeways, Inc. subject to Shapeways Sales Terms and Conditions and Warranty at: <https://aka.ms/ShapewaysTermsConditions>. Microsoft is not responsible for their performance or compliance with applicable regulatory, compliance, safety, or any other requirements.

⁶⁵ Microsoft Adaptive Mouse Tail and Thumb Support require Microsoft Adaptive Mouse.

- **Microsoft adaptive buttons:** Innovative, wireless buttons⁶⁶ with eight digital programmable inputs. Customize your experience with different button options by choosing between a **D-pad button (4)**, **Joystick button (5)**, or **Dual button (6)** (each sold separately). You can also 3D print Microsoft-designed button toppers through Shapeways⁶⁷ to fit your specific needs.
- To learn more, see [Accessible Devices & Products for PC & Gaming | Assistive Tech Accessories - Microsoft Store](#).

What's new about the Microsoft adaptive accessories?

- The Microsoft adaptive accessories have been available through MS Stores for the consumers since 2022. Now, we're making them available in the Commercial channel.

Who are Microsoft adaptive accessories for?

- Everyone. Microsoft adaptive accessories were created in partnership with the disability community. They can help remove the barrier that a traditional mouse and keyboard may present for people with limited mobility and can be extended to anyone looking for new ways of being more productive when using a PC, tablet or phone.

Are the Microsoft adaptive accessories one product or separate products?

- The Microsoft adaptive accessories are separate products that work both individually and together as a connected ecosystem designed to replace or augment traditional mouse and keyboard input for people with limited mobility and extended to anyone who wants to increase their PC productivity.

Why has the price of the adaptive accessories changed?

- Accessibility is a priority for Microsoft, and we're thrilled to hear from users around the world how these products are opening doors for people with disabilities. As we continue to invest in our accessibility accessories ecosystem, there will be pricing changes from time to time. We remain committed to affordable products that meet the needs of disabled customers.

Surface accessories

What are recommended accessories for Surface Briggs?

- Accessories are a crucial part of employees making Surface Briggs their own. Many Designed for Surface options are available to build the ultimate workspace. These are especially important for employees who need more adaptive workspaces to meet their accessibility requirements.

⁶⁶ The Microsoft Adaptive D-pad Button, Microsoft Adaptive Joystick Button, Microsoft Adaptive Dual Button require Microsoft Adaptive Hub.

⁶⁷ 3D print services provided and warranted exclusively by Shapeways, Inc. subject to Shapeways Sales Terms and Conditions and Warranty at: <https://aka.ms/ShapewaysTermsConditions>. Microsoft is not responsible for their performance or compliance with applicable regulatory, compliance, safety or any other requirements. Available 3D printed designs from Shapeways may vary from image shown and over time. See [Get Started with 3D Printing](#) for the latest offerings.

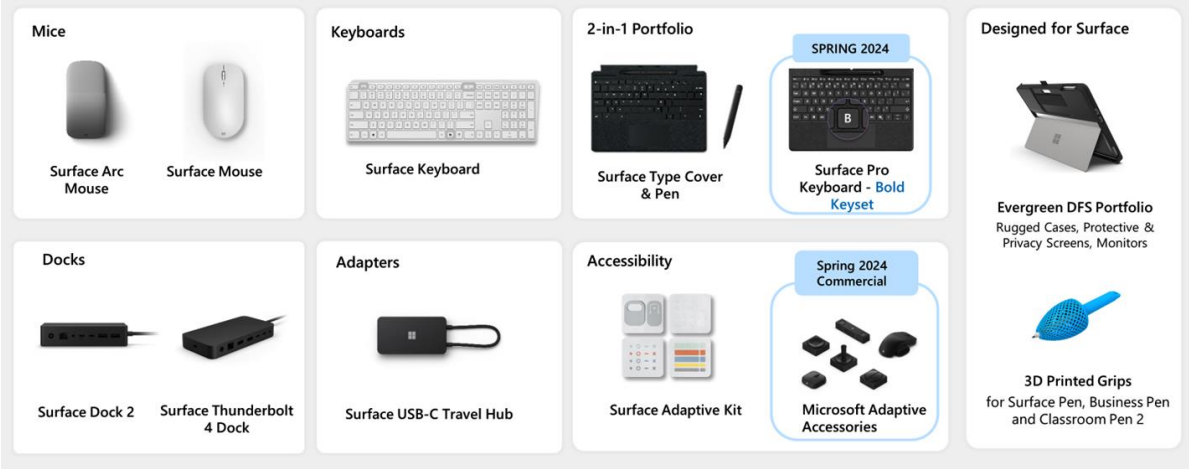


Figure 2. Surface accessories

Appendix

Copilot availability

Table 8. Copilot Commercial General Global Availability

| General Global Availability | Copilot in Windows 11 | Copilot ⁶⁸ | Copilot for Microsoft 365 | Copilot for Sales | Copilot for Service |
|----------------------------------|-----------------------|-----------------------|---------------------------|-------------------|---------------------|
| Cost | Free | Free | \$30 | \$30 | \$50 |
| Foundational Capabilities | • | • | • | • | • |
| Web grounding | • | • | • | • | • |
| Commercial Data Protection | • | • | • | • | • |
| Enterprise-Grade Data Protection | | | • | • | • |
| Graph Grounding | | | • | • | • |
| Microsoft 365 Apps | | | • | • | • |
| Copilot Studio | | | • | • | • |
| Role Specific capabilities | | | | • | • |

68. Formerly Bing Chat Enterprise

NFC with reader mode

Table 9. NFC enabled end-user experiences

| Category | Requirement | Details |
|----------------------|-----------------------|---|
| Basic authentication | Device authentication | A user can log into a device by tapping an NFC enabled badge or key against the NFC reader in the device; where the device software supports authentication with NFC, included but not limited to Windows Hello login and applications that enabled SSO into the device. |
| | App authentication | A user can log into a native or web application by tapping an NFC enabled badge or key against the NFC reader in the device; where the application software supports authentication with NFC, included but not limited to applications that integrate with AAD and MSA authentication. |
| | MFA | A user can use their NFC enabled badge or key as a multi-factor authentication token by tapping against the NFC reader in the device; where supported by software solutions, include but not limited to AAD, MSA, and applications that are compatible with NFC keys. |
| Asset tracking | Tag writing | A user can write to an NFC tag by tapping it on the NFC reader in the device in application that support this experience in software. |
| | Tag reading | A user can read from an NFC tag by tapping it on the NFC reader in the device; no additional applications are required to read data from an NFC tag but they may be used by the user. |
| | Tag emulation | A user can scan the NFC reader in the device with another NFC reader to read the information being emulated from the device. |
| ID verification | Bank card Reading | <p>A user can tap an NFC enabled bank card against the device to read information off of the card; where supported by specific software applications with this capability.</p> <hr/> <p>NOTE: This is supported by the hardware and software in Surface Pro 10 but requires a line of business application from the customer side.</p> <hr/> |

Supported management experiences

Table 10. NFC enabled management experiences

| Requirement | Details |
|--------------------------|--|
| NFC software disablement | A user can disable the NFC in software on the device. |
| NFC hardware disablement | A user can fully disable the NFC hardware in the device, including power to the component. |

NFC Interaction

Table 11. NFC enabled interactions

| Requirement | Details |
|-----------------------------|---|
| NFC placement in the device | The NFC reader is located in the upper left bezel of the device, under the display, as illustrated above . |
| NFC UI Prompt | A custom lock screen is available for customers to download and deploy to their devices to assist with NFC wayfinding, as described above . |
| Postures and usage modes | The NFC reader works in all postures and usage modes (with and without a typecover). |
| OS modes | The NFC works in all supported OS version and modes, including tablet mode. |
| Environments | The NFC reader works in various environments including both indoor and outdoor environments. |
| Range | The NFC reader works with a range of 15mm in the z-axis. |

Supported NFC Tag Types and Standards

Table 12. Supported NFC Tag type and compliance

| Requirement | Details |
|------------------------------|--|
| ISO/IEC 14443 A/B compliance | The NFC solution can read from and write to Type 1, 2 and 4 Tags. |
| JIS X 6319-4 | The NFC solution can read from and write to Type 3 Tags. |
| ISO/IEC 15693 compliance | The NFC solution can read and write to Type 5 Tags including iClass UID information. |
| MIFARE compatibility | The NFC solution is capable of reading and coding in conformity with the MIFARE encryption method. |
| Transfer speed | The NFC solution is capable of transmitting data at the transfer speeds 106 kbit/s, 212 kbit/s and 424 kbit/s according to the NFC Forum standards |

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