

Copilot+PC

Surface Laptop 7th Edition | ARM

Transformative design packed with intelligent power

Designed for advanced AI experiences, Surface Laptop 13.8-inch and 15-inch offer powerful performance and exceptional battery life⁵ to handle demanding workloads.



Snapdragon[®] X Elite and Plus processors deliver speed and efficiency with CPUs and an industry-defining NPU driving up to 45 TOPS for seamless on-device AI

On-device AI empowers collaboration with real-time translation of 40+ languages to English with Live Captions¹⁰

Made with a minimum of 67.2% recycled content in the enclosure³

Two USB-C[®]/USB 4[®] ports enable fast data transfer and support up to three 4K monitors at 60Hz with compatible docks.⁷ Ensure fast, resilient connectivity with Wi-Fi 7.⁹

See more, do more

Redesigned, near-edgeless display combines with Surface's signature 3:2 ratio for more workspace on the brilliant and responsive PixelSense™ Flow touchscreen.

Elevate work with high-octane AI acceleration

Leap ahead with groundbreaking AI features running directly on the device, helping employees collaborate seamlessly, communicate effectively, and get more done in a day.

HD 1080p Surface Studio Camera and unique AI-driven Windows Studio Effects



Exceptional performance, all day long

Meet challenges confidently with a blazing-fast CPU and breakthrough NPU integrated into a highly efficient design for all-day productivity.

Smart, secured, efficient

Safeguard your business with chip-to-cloud security and Windows Hello authentication on a Secured-core PC. With Microsoft, you control your data. Simplified, innovative repairability can bring a device back online quickly and delivers extended use.¹⁷

Adaptive color, adaptive contrast and HDR technology,¹⁴ offer a clear view in varied lighting



Signature Surface keyboard experience with a Copilot key⁶ for quick access to Copilot⁴ and a large Surface precision haptic touchpad for comfort and accessibility

Up to 22 hours on a single charge and built-in power-saving features.⁵ Supports fast charging with minimum of 65W power supply via Surface Connect or USB-C.^{®38}

Microsoft Pluton technology enables future security features to be deployed directly from Microsoft

³Enclosure includes A Cover, C Bucket and D Cover. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure for Recycled Content, UL 2809-2, Second Edition, November 7, 2023. ⁴Copilot with commercial data protection is available at no additional cost for users with an Entra ID with an enabled, [eligible Microsoft 365 license](#). ⁵Based on local video playback test. Battery life varies significantly based on device configuration, usage, network and feature configuration, signal strength, settings and other factors. See [aka.ms/SurfaceBatteryPerformance](#) for details. ⁶Feature availability varies by market, see [aka.ms/WindowsAIFeatures](#). When Copilot for Windows is not available or enabled on the device, pressing the Copilot key will launch Windows Search. ⁷Supporting 3 external displays requires either 2 displays connected to a compatible dock or connected through daisy chain. ⁸6GHz band not available in all regions. ⁹Currently supports translation for video and audio subtitles into English from 40+ languages. See [aka.ms/copilotpluspc](#). ¹⁰HDR requires HDR content and enabling HDR in device settings. ¹¹Replacement 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. ¹²Tested May 2024 using CineBench 2024 Multi-Core benchmark. Up to 86% faster comparing Surface Laptop 15" with Snapdragon X Elite 12 core to Surface Laptop 5 15" with Intel® Core™ i7. Up to 73% faster comparing Laptop 13.8" with Snapdragon X Elite 12 core to Surface Laptop 5 13.5" with Intel® Core™ i7. ¹³13.8" Surface Laptop comes with 39W Surface power supply. Fast charging (from 5% to 80%) is supported with minimum 65W 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 65W 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.

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<p>PROCESSOR</p> <p>Surface Laptop 13.8”: Snapdragon® X Plus (10 Core) Snapdragon® X Elite (12 Core)</p> <p>Surface Laptop 15”: Snapdragon® X Elite (12 Core)</p> <p>NPU Qualcomm® Hexagon™ with 45 TOPS</p> <p>GRAPHICS Qualcomm® Adreno™ GPU</p> <p>MEMORY AND STORAGE¹</p> <p>Memory options: Surface Laptop 13.8”: 16GB, 32GB, LPDDR5x RAM Surface Laptop 15”:² 16GB, 32GB, LPDDR5x RAM</p> <p>Storage options: Removable² solid-state drive (Gen 4 SSD) 256GB, 512GB, 1TB</p> <p>SECURITY Enterprise grade security with TPM 2.0 chip and BitLocker support Windows 11 Secured-core PC Microsoft Pluton technology Windows Hello face authentication with Enhanced Sign-in security</p>	<p>PORTS AND CHARGING</p> <p>Surface Laptop 13.8”: 2 X USB-C®/USB 4® ports with support for:</p> <ul style="list-style-type: none"> • Charging • Data transfer • DisplayPort 1.4a • Surface Thunderbolt™ 4 Dock and other accessories <p>Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®³ USB-A 3.1 3.5 mm headphone jack Surface Connect port</p> <p>Surface Laptop 15”: 2 X USB-C®/USB 4® ports with support for:</p> <ul style="list-style-type: none"> • Charging • Data transfer • DisplayPort 1.4a • Thunderbolt™ 4 Dock and other accessories <p>Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®³ USB-A 3.1 MicroSDXC card reader 3.5 mm headphone jack Surface Connect port</p>	<p>NETWORK AND CONNECTIVITY Wi-Fi 7⁴ Bluetooth® Wireless 5.4 technology</p> <p>BATTERY LIFE</p> <p>Surface Laptop 13.8”: Up to 20 hours of local video playback⁵ Up to 13 hours of active web usage⁶</p> <p>Surface Laptop 15”: Up to 22 hours of local video playback⁷ Up to 15 hours of active web usage⁸</p> <p>CAMERAS Full HD front-facing Surface Studio Camera</p> <ul style="list-style-type: none"> • 1080p Full HD camera • Windows Studio Effects with automatic framing, portrait blur, creative filters (illustrated, animated, watermark), eye contact, and portrait light <p>Windows Hello face authentication camera</p> <p>SOFTWARE Windows 11 Pro Preloaded Microsoft 365 Apps⁹ Microsoft 365 Business Standard, Microsoft 365 Business Premium, or Microsoft 365 Apps 30-day trial¹⁰</p>	<p>SIZE AND WEIGHT¹¹</p> <p>Surface Laptop 13.8”: Length: 11.85 inch (301 mm) Width: 8.67 inch (220 mm) Height: 0.69 inch (17.5 mm) Weight: 2.96 lbs (1.34 kg)</p> <p>Surface Laptop 15”: Length: 12.96 inch (329 mm) Width: 9.41 inch (239 mm) Height: 0.72 inch (18.29 mm) Weight: 3.67 lbs (1.66 kg)</p> <p>DISPLAY</p> <p>Surface Laptop 13.8”: Touchscreen: 13.8” PixelSense Flow™ Display Resolution: 2304 x 1563 (201 PPI) Aspect ratio: 3:2 Contrast ratio:1400:1 Dynamic refresh rate: up to 120Hz Color profile: sRGB and Vivid Individually color-calibrated display Adaptive color Adaptive contrast Auto color management Touch: 10-point multi-touch Dolby Vision IQ™¹² Corning® Gorilla® Glass 5 Brightness:</p> <ul style="list-style-type: none"> • SDR: 600 nits maximum (typical) • HDR:¹³ 600 nits peak luminance 	<p>Surface Laptop 15”: Touchscreen: 15” PixelSense Flow™ Display Resolution: 2496 x 1664 (201 PPI) Aspect ratio: 3:2 Contrast ratio: 1300:1 Dynamic refresh rate: up to 120Hz Color profile: sRGB and Vivid Individually color-calibrated display Adaptive color Adaptive contrast Auto color management Touch: 10-point multi-touch Dolby Vision IQ™ support¹² Corning® Gorilla® Glass 5 Brightness:</p> <ul style="list-style-type: none"> • SDR: 600 nits maximum (typical) • HDR:¹³ 600 nits peak luminance
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¹System software uses significant storage space. Available storage is subject to change based on system software updates and apps usage. 1 GB = 1 billion bytes. 1 TB = 1,000 GB. See [Surface.com/Storage](https://www.microsoft.com/surface/storage) for more details. ²Solid 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. ³13.8” Surface Laptop comes 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. ⁴6GHz band not available in all regions. ⁵Up to 20 hours of battery life based on local video playback test on Surface Laptop 13.8”. Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Laptop Snapdragon® X Plus C10 256GB, 16GB RAM devices. Testing consisted of full battery discharge during video playback of a .mov file through the Windows Media Player application in 1080p at 24 FPS. All settings were default except screen brightness set to 150 nits with Auto-brightness disabled. Wi-Fi was connected to a network. Tested with Windows 11. Battery life varies significantly with settings, usage, and other factors. ⁶Up to 13 hours of battery life based on web browsing test on Surface Laptop 13.8”. Based on web browsing test. Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Laptop Snapdragon® X Plus C10 256GB, 16GB RAM devices. Testing consisted of full battery discharge while accessing eight popular websites over multiple open tabs through the browser. All settings were default except screen brightness set to 150 nits with Auto-Brightness disabled. Wi-Fi was connected to a network. Tested with Windows 11. Battery life varies significantly with settings, usage, and other factors. ⁷Up to 22 hours of battery life based on local video playback test on Surface Laptop 15”. Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Laptop Snapdragon® X Elite C12 512GB, 16GB RAM devices. Testing consisted of full battery discharge during video playback of a .mov file through the Windows Media Player application in 1080p at 24 FPS. All settings were default except screen brightness set to 150 nits with Auto-brightness disabled. Wi-Fi was connected to a network. Tested with Windows 11. Battery life varies significantly with settings, usage, and other factors. ⁸Up to 15 hours of battery life based on based web browsing test on Surface Laptop 15”. Based on web browsing test. Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Laptop Snapdragon® X Elite C12 512GB, 16GB RAM devices. Testing consisted of full battery discharge while accessing eight popular websites over multiple open tabs through the browser. All settings were default except screen brightness set to 150 nits with Auto-Brightness disabled. Wi-Fi was connected to a network. Tested with Windows 11. Battery life varies significantly with settings, usage, and other factors. ⁹Sold separately. Software license required for some features. ¹⁰Activation required. If your device is managed by your organization's IT department, contact your IT administrator for activation. If you activate your trial outside your organization, 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 aka.ms/m365businesstrialinfo. ¹¹Might vary depending on manufacturing processes. ¹²Requires Dolby Vision® encoded content and video. ¹³HDR requires HDR content and enabling HDR in device settings.

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KEYBOARD LAYOUT

Please use the keyboard layout for the country device is being sold in

- Activation: Moving (mechanical) keys
- Layout: QWERTY, full row of function keys (F1 – F12)
- Windows key and dedicated buttons for media controls, screen brightness
- Keyboard backlight
- Copilot key¹⁴
- Precision haptic touchpad

AUDIO

Dual Studio Mics with voice focus¹⁵
 Omnisonic® Speakers with Dolby® Atmos®¹⁶
 Support for Bluetooth® LE Audio

SERVICEABILITY

Replaceable components include:¹⁷

- Display assembly (including camera)
- Keyboard assembly (including touchpad)
- Removable solid-state drive
- Battery
- Motherboard module (including main processor and main memory)
- Surface connect
- Audio jack
- MicroSD reader (15")
- Speakers
- Enclosure (bucket)
- Thermal module
- Feet

ACCESSIBILITY

Surface precision haptic touchpad with adjustable click sensitivity, right click area, and adaptive touch mode¹⁸
 Compatible with Surface Adaptive Kit and Microsoft Adaptive Accessories
 Supports Microsoft 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](#)

SENSORS

Ambient color sensor

WHAT'S IN THE BOX

Surface Laptop 13.8" or 15"
 Power Supply

- 13.8" 39W
- 15" 65W

Quick Start Guide
 Safety and warranty documents

EXTERIOR

Casing: Anodized aluminum
 Colors:¹⁹ Platinum or Black

SUSTAINABILITY

Surface Laptop is designed with sustainability in mind – see more on the Surface Laptop Eco Profile for [13.8"](#) and [15"](#)

Recycled materials

Enclosure is made with a minimum of 67.2% recycled content, including 100% recycled aluminum alloy and 100% recycled rare earth metals²⁰

Thoughtful packaging

- 76% recycled content in wood-based fiber packaging
- Paper-based, minimizing plastic use
- 100% of our virgin paper sourced is FSC certified to be responsibly forested

Energy efficient

ENERGY STAR® certified
 Registered EPEAT® Gold²¹

Repairability

Clear visual icons and built-in access to repair instructions¹⁷

Surface Trade-in

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](#)
[Microsoft Surface Sustainability - Microsoft Sustainability](#)

WARRANTY²²

1-year limited hardware warranty

ENERGY USAGE [JAPAN]

Surface Laptop 13.8": 構成 : 12区分
 13.91kWh/年(AAA)

Surface Laptop 15": 構成 : 12区分
 13.31kWh/年(AAA)

RADIO FREQUENCY [FRANCE]²³

Surface Laptop 13.8": Le débit d'absorption spécifique (DAS) local quantifie l'exposition de l'utilisateur aux ondes électromagnétiques de l'équipement concerné. Le DAS maximal autorisé est de 1.25 W/kg pour le tronc et de 1.25 W/kg pour les membres

Surface Laptop 15": Le débit d'absorption spécifique (DAS) local quantifie l'exposition de l'utilisateur aux ondes électromagnétiques de l'équipement concerné. Le DAS maximal autorisé est de 0.51 W/kg pour le tronc et de 0.51 W/kg pour les membres

FRENCH REPAIRABILITY INDEX [FRANCE]

[Découvrez comment l'indice de réparabilité est calculé](#)



¹⁴Feature availability varies by market, see [aka.ms/WindowsAIFeatures](#). When Copilot for Windows is not available or enabled on the device, pressing the Copilot key will launch Windows Search. ¹⁵Voice focus requires activation, requires Windows 11 and is available in apps which use integrated device microphones and use certain Windows audio processing modes. ¹⁶Requires Dolby® Atmos® encoded content/audio. ¹⁷Replacement 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. ¹⁸Requires Windows 11. ¹⁹Colors available on selected models only. Available colors, sizes, finishes, and processors may vary by store, market, and configuration. ²⁰Enclosure includes A Cover, C Bucket and D Cover. 100% recycled aluminum alloy in A Cover and C Bucket. 100% recycled rare earth metals in magnets. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure (ECVP) for Recycled Content, UL 2809-2, Second Edition, November 7, 2023. ²¹Please refer to the EPEAT registry for current ratings. Ratings can vary by country, may change over time, and products are eventually archived. ²²Microsoft's Limited Warranty is in addition to your consumer law rights. ²³Le débit d'absorption spécifique (DAS) local quantifie l'exposition de l'utilisateur aux ondes électromagnétiques de l'équipement concerné. Le DAS maximal autorisé est de 2 W/kg pour la tête et le tronc et de 4 W/kg pour les membres. Consultez cette page pour en savoir plus.