Copilot+PC

Surface Laptop for Business

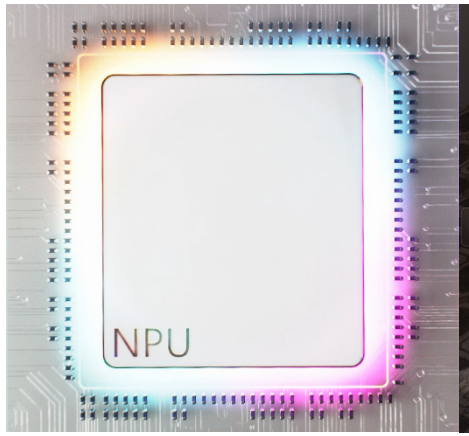
Fact Sheets

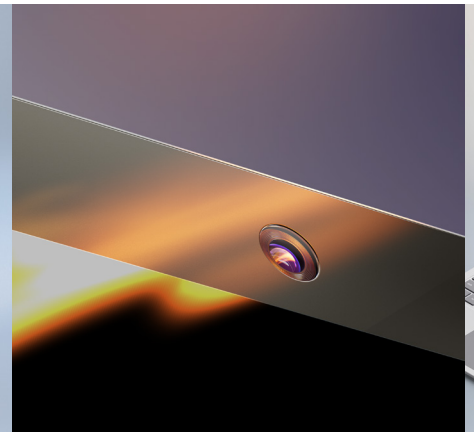
May 2024

Microsoft Surface

The fastest, most intelligent Surface Laptop ever.

The new Surface Laptop is not just faster—it's smarter. Powered by Snapdragon® X Elite and Plus processors with an industry leading NPU, the new Surface Laptop unlocks new levels of speed and all-new AI experiences that enhance productivity and creativity. Experience visuals like never before on its stunning touchscreen display with razor-thin bezels. This light and stylish laptop delivers exceptionally long battery life, ultimate typing comfort now with a haptic touchpad, and a full HD Surface Studio Camera.





Powerful performance and exceptional battery life

Lightning-fast speed and AI-accelerated power for ultimate multitasking and the longest battery life on any Surface.

Unlock new superpowers

Now with a Copilot key for instant access to your AI assistant, and new enhanced AI features like Live Captions with live translation, Cocreator in Paint, Image Creator and Restyle Image in Photos, Windows Studio Effects, and Recall coming soon.

Immersive display with touch

Brilliant touchscreen display with HDR for brighter brights, darker darks, and a wider range of colors, Dolby Vision IQ™ for cinematic viewing and 120Hz refresh rate for smoother motions.

AI-enhanced camera & audio

Surface Studio Camera with AI-powered Windows Studio Effects and enhanced sound with premium Omnisonic® Speakers, Dolby® Atmos, and Studio Mics to amplify your impact.

Sleek and modern design

An evolution of our iconic Laptop design, now with razor-thin bezels. Available in a choice of two sizes (13.8" and 15") and 2 stunning colors – Platinum, Black

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Microsoft Surface

	Surface Laptop 13.8" 7th Edition for Business	**Surface Laptop 15"** 7th Edition for Business
Processor	Snapdragon® X Plus (10 Core) X1P64100 Snapdragon® X Elite (12 Core) X1E80100	Snapdragon® X Elite (12 Core) X1E80100
Neural Processing Unit (NPU)	Qualcomm® Hexagon™ with 45 TOPS	
Graphics	Qualcomm® Adreno™ GPU	
Memory and Storage[1]	Memory options: 16GB, 32GB LPDDR5x RAM Storage options: Removable[2] solid-state drive (Gen 4 SSD) 256GB, 512GB, 1TB	

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Microsoft Surface

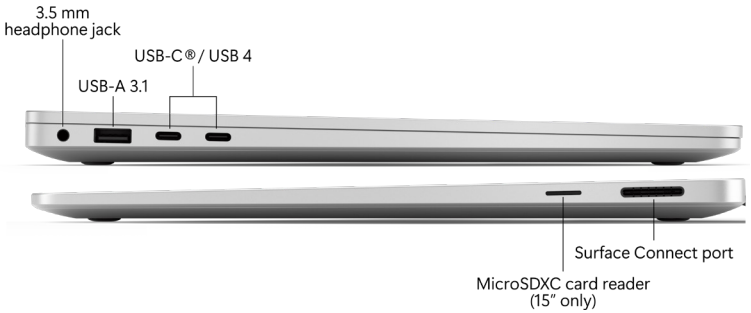
Display

Touchscreen: 13.8″ PixelSense Flow™ Display	Touchscreen: 15″ PixelSense Flow™ Display
Resolution: 2304 x 1536 (201 PPI)	Resolution: 2496 x 1664 (201 PPI)
Aspect ratio: 3:2	Aspect ratio: 3:2
Contrast ratio 1400:1	Contrast ratio: 1300:1
Dynamic refresh rate: up to 120Hz	Dynamic refresh rate: up to 120Hz
Color profile: sRGB and Vivid	Color profile: sRGB and Vivid
Individually color-calibrated display	Individually color-calibrated display
Adaptive color	Adaptive color
Adaptive contrast	Adaptive contrast
Auto color management	Auto color management
Touch: 10-point multi-touch	Touch: 10-point multi-touch
Dolby Vision IQ™[3]	Dolby Vision IQ™[3]
Corning ® Gorilla® Glass 5	Corning® Gorilla® Glass 5
SDR (Brightness): 600 nits maximum (typical)	SDR (Brightness): 600 nits maximum (typical)
HDR[4] (Brightness): 600 nits peak luminance	HDR[4] (Brightness): 600 nits peak luminance

Size and weight[5]	**Length:** 11.85 inches (301 mm) **Width:** 8.67 inches (220 mm) **Height:** 0.69 inches (17.5 mm) **Weight:** 2.96 lbs (1.34 kg)	**Length:** 12.96 inches (329 mm) **Width:** 9.41 inches (239 mm) **Height:** 0.72 inches (18.29 mm) **Weight:** 3.67 lbs (1.66 kg)

Battery life	Up to 20 hours of local video playback[6] Up to 13 hours of web browsing[7]	Up to 22 hours of local video playback[8] Up to 15 hours of web browsing[9]

Security	Enhanced 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	
Camera	Full HD (1080p) front-facing Surface Studio Camera Support for Windows Studio Effects Windows Hello face authentication camera	
Audio	Dual Studio Mics with voice focus[10] Omnisonic® Speakers with Dolby® Atmos®[11] Support for Bluetooth® LE Audio	
Ports and charging	2X USB-C®/ USB 4 ports with support for: Charging Data transfer DisplayPort 1.4a Surface Thunderbolt™ 4 Dock & other accessories Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®[12] USB-A 3.1 3.5 mm headphone jack Surface Connect port	2X USB-C®/ USB 4 ports with support for: Charging Data transfer DisplayPort 1.4a Surface Thunderbolt™ 4 Dock & other accessories Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®[12] USB-A 3.1 3.5 mm headphone jack Surface Connect port MicroSDXC card reader



Network and connectivity

Wi-Fi 7[13]

Bluetooth® Core 5.4 technology

Software

Windows 11 Pro

Exclusive Copilot+ PC experiences: Cocreator[14], Image Creator and Restyle Image in Photos, Window Studio Effects, Live Captions with translation[15], Recall[16], plus additional Copilot+ PC experiences in the future available through Windows Update

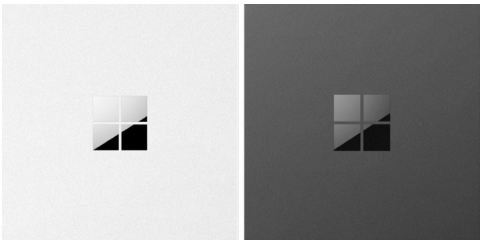
Preloaded Microsoft 365 Apps[17]

Microsoft 365 Business Standard, Microsoft 365 Business Premium, or Microsoft 365 Apps 30-day trial[18]

Exterior

Casing: Anodized aluminum

Colors: Platinum, Black[19]



What's included in the box	Surface Laptop 13.8" 39W Power Supply Quick Start Guide Safety and warranty documents	Surface Laptop 15" 65W Power Supply Quick Start Guide Safety and warranty documents
Sensors	Ambient color sensor	
Keyboard layout	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 key[20] Precision Haptic touchpad	
Warranty[21]	1-year limited hardware warranty	
Battery Capacities	Battery Capacity Nominal (Wh) 54 Battery Capacity Min (Wh) 52	Battery Capacity Nominal (Wh) 66 Battery Capacity Min (Wh) 64

Accessibility

Surface precision haptic touchpad with adjustable click sensitivity, right click area, and adaptive touch mode

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

Sustainability

Surface Laptop is designed with sustainability in mind

More recycled materials

Enclosure is made with a minimum of 67.2% recycled content, including 100% recycled aluminum alloy and 100% recycled rare earth metal[22]

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

More energy efficient

ENERGY STAR® certified

More repairable

Easier to repair, with clear visual icons and built-in access to repair instructions[23]

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: Environmental Sustainability | Microsoft CSR , Microsoft Surface Sustainability - Microsoft Sustainability

Serviceability

Replaceable components include[24]:

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

[1] System 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 for more details.
[2] 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.
[3] Requires Dolby Vision® encoded content and video.
[4] HDR requires HDR content and enabling HDR in device settings.
[5] Might vary depending on manufacturing processes.
[6] Local video playback: 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.
[7] Web browsing: 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.
[8] Local video playback: 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.
[9] 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.
[10] Voice focus requires activation, requires Windows 11 and is available in apps which use integrated device microphones and use certain Windows audio processing modes.
[11] Requires Dolby® Atmos® encoded content/audio.
[12] 13.8" 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
[13] 6GHz band not available in all regions.
[14] Microsoft Account required.
[15] Currently supports translation for video and audio subtitles into English from 40+ languages. See https://aka.ms/copilotpluspcs
[16] Recall is coming soon through a post-launch Windows Update. Optimized for select languages (English, Chinese (simplified), French, German, Japanese, and Spanish. Content-based and storage limitations apply. See https://aka.ms/copilotpluspcs.
[17] Requires license or subscription (sold separately) to activate and use.
[18] Activation required. 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 Free Trial - Try Microsoft 365 for a month - Microsoft Store.
[19] Colors available on selected models only. Available colors, sizes, finishes, and processors may vary by store, market, and configuration.
[20] Feature 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.
[21] Microsoft's Limited Warranty is in addition to your consumer law rights.

[22] Enclosure 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.
[23] 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.
[24] Replacement components available through online Microsoft Store and iFixIt for out-of-warranty repair. Components can be replaced by individuals with the knowledge and experience to repair electronic devices 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 Self-repair information for your Surface device - Microsoft Support.