



Copilot+PC

# Surface Pro

Fact Sheet

May 2024



# The most flexible laptop, reimagined.

The new Surface Pro is the most flexible 2-in-1 laptop, now reimagined with more speed and battery life for all-new AI experiences, powered by Snapdragon® X Elite and Plus processors with an industry leading NPU. All wrapped up in an ultra-portable design that can replace your tablet, your laptop, and power your multi-monitor set-up. The new Surface Pro Flex Keyboard allows you to position your Surface Pro and keyboard where they suit you, designed to be used both attached or detached.



## Unrivalled flexibility

Surface Pro delivers incredibly fast performance in an ultra-flexible design. Pair with the new Surface Pro Flex Keyboard to unlock a new era of flexibility – on your desk, on your lap, or supporting your creative workflow.

## The most powerful Pro

Lightning-fast speed and AI accelerated power for ultimate multitasking. The new Surface Pro can keep up with whatever you need to do, wherever you need to do it, all day long.

## Unlock new superpowers

Elevate your productivity and creativity with Copilot and unlock new enhanced AI features like Cocreator in Paint, Image Creator and Restyle Image in Photos, Windows Studio Effects, Live Captions with live translation, and Recall coming soon.

## Introducing OLED

Optional OLED with HDR delivers a near infinite contrast ratio and greater peak brightness. Paired with Adaptive color and Dolby Vision IQ™ for cinema-level screentime.

## Our most advanced pen

Turn your ideas into reality with powerful creative tools supercharged by AI – if you can picture it, you can draw it, using generative AI to fill in the gaps with new features like Cocreator in Paint.



Surface Pro  
11<sup>th</sup> Edition



Surface Pro with OLED  
11<sup>th</sup> Edition

Processor



Snapdragon® X Plus (10 Core) X1P64100



Snapdragon® X Elite (12 Core) X1E80100

Neural Processing Unit (NPU)

Qualcomm® Hexagon™ with 45 TOPS

Graphics

Qualcomm® Adreno™ GPU

Memory and Storage<sup>1</sup>

Memory options:  
16GB LPDDR5x RAM

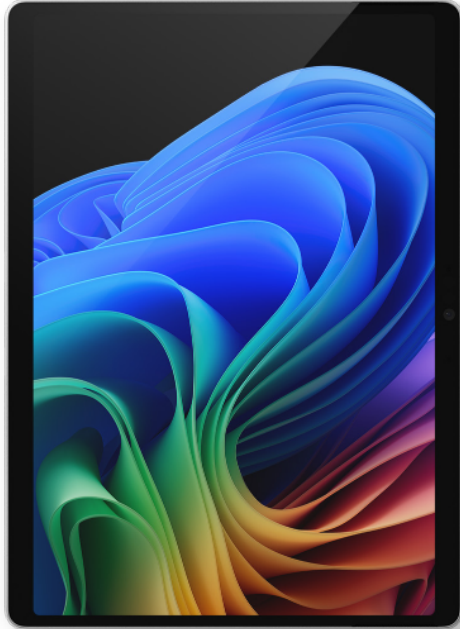
Storage options:  
Removable<sup>2</sup> solid-state drive (Gen 4 SSD): 256GB, 512GB

Memory options:  
16GB, 32GB<sup>3</sup> LPDDR5x RAM

Storage options:  
Removable<sup>2</sup> solid-state drive (Gen 4 SSD): 512GB, 1TB<sup>3</sup>



## Display



Touchscreen: 13" PixelSense™ Flow display<sup>4</sup>

Resolution: 2880 x 1920 (267 PPI)

Aspect ratio: 3:2

Contrast ratio: 1200:1

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™<sup>5</sup>

Corning® Gorilla® Glass 5

SDR (Brightness): 600 nits maximum (typical)

HDR<sup>6</sup> (Brightness): 600 nits peak luminance

Touchscreen: 13" PixelSense™ Flow display<sup>4</sup>

Resolution: 2880 x 1920 (267 PPI)

Aspect ratio: 3:2

Contrast ratio: 1M: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™<sup>5</sup>

Corning® Gorilla® Glass 5

SDR (Brightness): 600 nits maximum (typical)

HDR<sup>6</sup> (Brightness): 900 nits peak luminance



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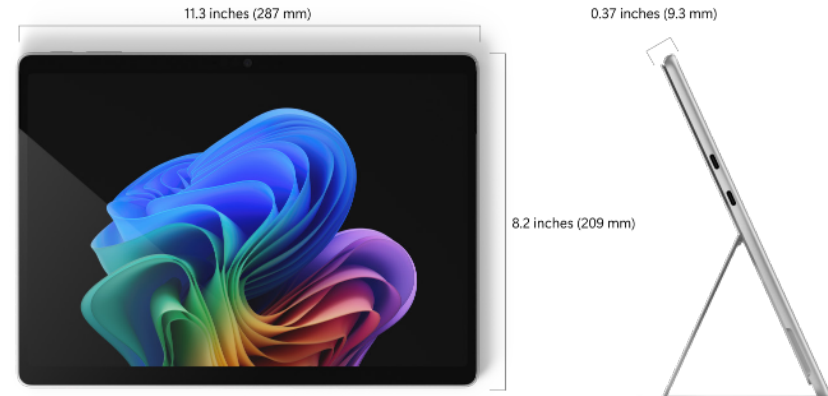
## Size and Weight<sup>7,8</sup>

**Length:** 11.3 inches (287 mm)

**Width:** 8.2 inches (209 mm)

**Height:** 0.37 inches (9.3 mm)

**Weight:** 1.97 lbs (895 g)



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## Battery life

Up to 14 hours of local video playback<sup>9</sup>

Up to 10 hours of active web usage<sup>10</sup>

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## Security

Enhanced security with Microsoft Pluton TPM 2.0

Windows 11 Secured-core PC

Windows Hello face authentication with Enhanced Sign-in Security

Microsoft Defender – for enhanced identity and privacy protection<sup>11</sup>

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## Cameras

Quad HD front-facing Surface Studio Camera with ultrawide field of view

Support for Windows Studio Effects

10 MP Ultra HD rear-facing camera

Windows Hello face authentication camera

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## Audio

Dual Studio Mics with voice focus<sup>12</sup>  
2 W stereo speakers with Dolby® Atmos®<sup>13</sup>  
Support for Bluetooth® LE Audio

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## Ports and charging



2 X USB-C® / USB 4 ports with support for:  
Charging  
Data transfer  
DisplayPort 1.4a  
Surface Thunderbolt™ 4 Dock and other accessories  
Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®<sup>14</sup>  
Surface Pro Keyboard port  
Surface Connect port

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## Network and connectivity

Wi-Fi 7<sup>15</sup>  
Bluetooth® Wireless 5.4 technology

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## Pen compatibility<sup>16</sup>

Designed for Surface Slim Pen (2<sup>nd</sup> Edition)  
Integrated storage and wireless charging for Surface Slim Pen (2<sup>nd</sup> Edition) with Surface Pro Keyboard<sup>17</sup>  
Supports tactile signals with Surface Slim Pen (2<sup>nd</sup> Edition)  
Supports Microsoft Pen Protocol (MPP)

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## Keyboard compatibility<sup>18</sup>

Surface Pro Flex Keyboard  
Surface Pro Keyboard with pen storage  
Surface Pro Signature Keyboard  
Surface Pro Keyboard  
Surface Pro X Signature Keyboard  
Surface Pro X Keyboard

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## Software

Windows 11 Home

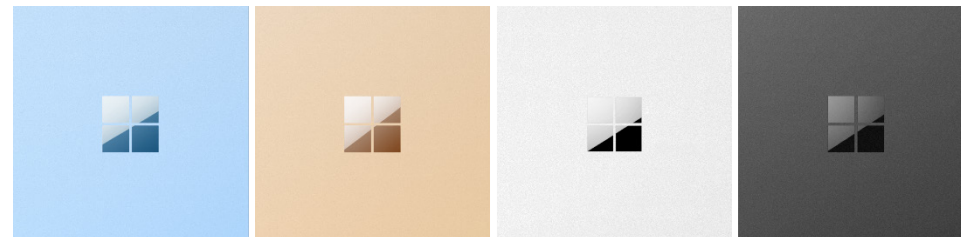
Exclusive Copilot+ PC experiences: Cocreator<sup>19</sup>, Image Creator and Restyle Image in Photos, Window Studio Effects, Live Captions with translation<sup>20</sup>, Recall<sup>21</sup>, plus additional Copilot+ PC experiences in the future available through Windows Update

Preloaded Microsoft 365 Apps<sup>22</sup>  
Microsoft 365 Family 30-day trial<sup>23</sup>  
Microsoft Defender App<sup>24</sup>  
Preloaded Xbox app  
Xbox Game Pass Ultimate 30-day trial<sup>25</sup> (accessible through [Xbox Cloud Gaming](#))

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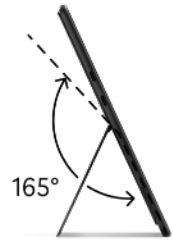
## Exterior

Casing: Anodized aluminum  
Physical Buttons: Volume, Power  
Colors<sup>26</sup>: Sapphire, Dune, Platinum, Black





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**Kickstand**

Kickstand with 165 degrees full friction hinge

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**Sensors**

Accelerometer  
Gyroscope  
Magnetometer  
Ambient color sensor

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**What's in the box**

Surface Pro  
Quick Start Guide  
Safety and warranty documents  
39W Power Supply (In select markets, available only with specific configurations)

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**Warranty<sup>27</sup>**

1-year limited hardware warranty

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**Battery Capacities<sup>28</sup>**

Battery Capacity Nominal (Wh) 47  
Battery Capacity Min (Wh) 46

Battery Capacity Nominal (Wh) 53  
Battery Capacity Min (Wh) 51

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## Accessibility

Compatible with the optional bold keyset version of Surface Pro Flex Keyboard and Surface Pro Keyboard<sup>29</sup>

Compatible with Surface precision haptic touchpad built into Surface Pro Flex Keyboard<sup>30</sup>

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](#)

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## Sustainability

Surface Pro is designed with sustainability in mind

### More recycled materials

Enclosure is made with a minimum of 72% recycled content, including 100% recycled aluminum alloy and 100% recycled rare earth metals<sup>31</sup>

### Thoughtful 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<sup>32</sup>

### Surface Trade-in

We make trade-in and recycling convenient and secure with global programs. Learn more at [Microsoft Trade In & Recycling 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](#)

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## Serviceability

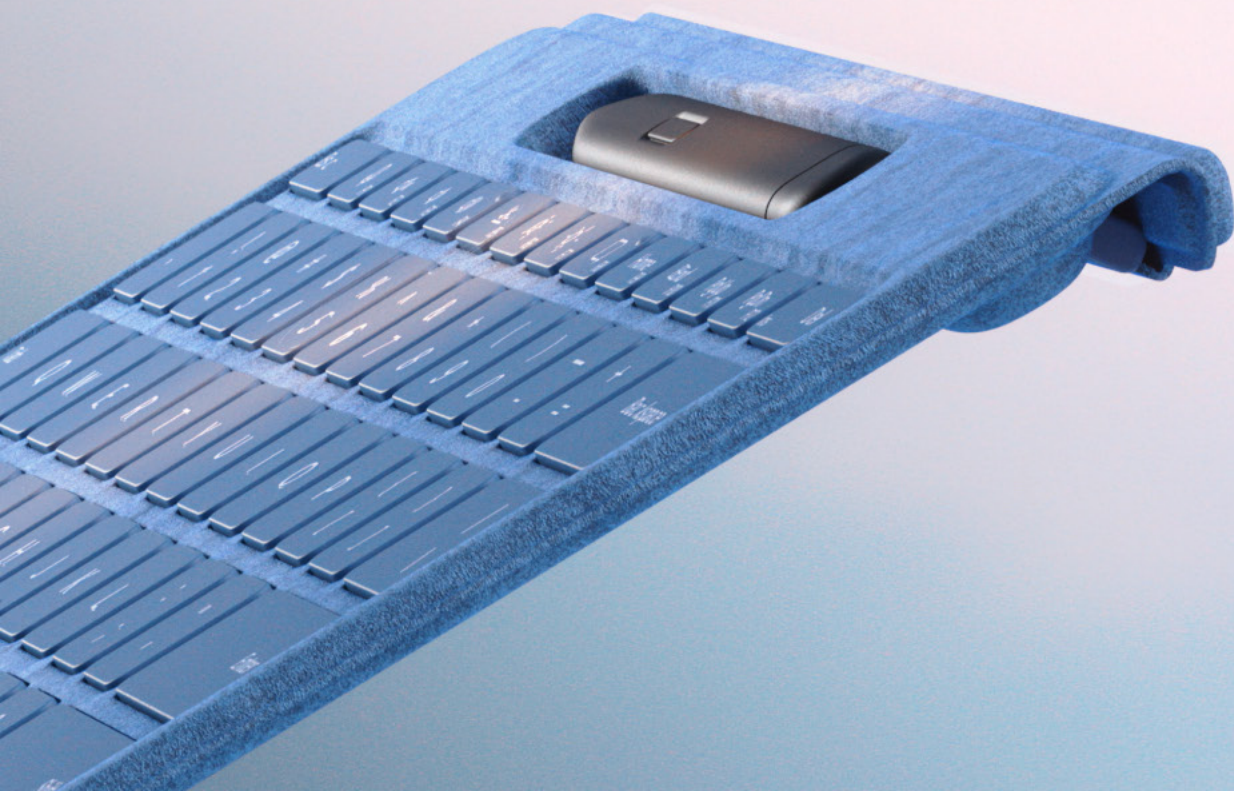
[Replaceable components and self-repair information](#)

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Introducing...

# Surface Pro Flex Keyboard





# The ultimate Pro keyboard for unrivalled flexibility

Surface Pro Flex Keyboard unlocks new levels of flexibility for Pro. Designed to be used either attached to your Pro for the ultimate laptop set-up or detached as a standalone keyboard for unrivalled flexibility.



## A new era of flexibility

Surface Pro Flex Keyboard is designed to be used both attached and detached. Elevate your productivity and comfort by positioning your device and keyboard where they suit you.



## Industry leading details

Built with additional layers of carbon fiber for more stability, a 14% larger, haptic touchpad, and always visible secure storage and wireless charging for the Slim Pen.



## The most inclusive 2-in-1 keyboard on the market

Surface Pro Flex Keyboard was designed to be used by anyone. Enjoy the best experience with an optional bold keyset and a customizable haptic touchpad.



## Surface Pro Flex Keyboard

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### Compatibility<sup>33</sup>

Surface Pro (11<sup>th</sup> Edition)  
Surface Pro 10 For Business  
Surface Pro 9  
Surface Pro 8

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### Size and Weight

**Length:** 11.38 inches (289 mm)  
**Width:** 8.71 inches (221 mm)  
**Height:** 0.21 inches (5.25 mm)  
**Weight:** 0.75 lbs (340 g)



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### Battery life

Up to 41 hours of continuous typing while detached<sup>34</sup>

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### Accessibility

Surface precision haptic touchpad with adjustable click sensitivity, right click area, and adaptive touch mode  
Compatible with Surface Adaptive Kit<sup>35</sup>  
Option to purchase Surface Pro Flex Keyboard with optional bold keyset<sup>36</sup>

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**Keys**

Activation: Moving (mechanical) keys  
Layout: English, full row of function keys (F1 - F12)  
Dedicated keys for Copilot<sup>37</sup>, microphone mute, snipping, Windows shortcuts, media controls, screen brightness  
Right click button  
Optional bold keyset  
Precision haptic touchpad  
Backlight

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**Pen integration** Surface Slim Pen (2<sup>nd</sup> Edition)<sup>38</sup> Storage and charging

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**Interface** Magnetic

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**Sensors** Accelerometer

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**Exterior**

Material: Alcantara®  
Colors<sup>39</sup>: Black, Bright Sapphire



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**Warranty<sup>40</sup>** 1-year limited hardware warranty

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**Battery capacities**

Minimum: 495mAh (Min. Energy: 1.862Wh)

Typical: 513mAh (Typ. Energy: 1.929Wh)

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**Connectivity**

Bluetooth® Low Energy

Up to 32.8 feet (10m) of connectivity in open air or up to 16.4 feet (5m) in a typical office environment<sup>41</sup>

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<sup>1</sup> System software uses significant storage space. Available storage is subject to change based on system software updates and apps usage. 1GB = 1 billion bytes. 1TB = 1,000 GB. [Surface.com/Storage](https://surface.com/storage) more details.

<sup>2</sup> 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.

<sup>3</sup> 32GB memory and 1T storage option available for Surface Pro with Wi-Fi only

<sup>4</sup> Surface Pro 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).

<sup>5</sup> Requires Dolby Vision<sup>®</sup> encoded content and video.

<sup>6</sup> HDR requires HDR content and enabling HDR in device settings.

<sup>7</sup> Might vary depending on manufacturing processes.

<sup>8</sup> Weight not including Keyboard.

<sup>9</sup> Based on local video playback test. Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Pro Snapdragon<sup>®</sup> X Plus C10 256GB and 512GB, 16GB RAM (LCD) devices and Surface Pro Snapdragon<sup>®</sup> X Elite C12 1TB 32GB RAM (OLED) 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.

<sup>10</sup> Based on a web browsing test. Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Pro Snapdragon<sup>®</sup> X Plus C10 256GB and 512GB, 16GB RAM (LCD) devices and Surface Pro Snapdragon<sup>®</sup> X Elite C12 1TB 32GB RAM (OLED) 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.

<sup>11</sup> Microsoft 365 Personal or Family subscription required.

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

<sup>13</sup> Requires Dolby<sup>®</sup> Atmos<sup>®</sup> encoded content/audio.

<sup>14</sup> 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<sup>®</sup> PD charger, sold separately. Testing was conducted at Microsoft in February 2024, using pre-production devices, software, and minimum of 45W USB-C<sup>®</sup> 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.

<sup>15</sup> 6GHz band not available in all regions.

<sup>16</sup> Pen sold separately.

<sup>17</sup> Applies to Surface Pro Keyboard with pen storage, Pro Flex Keyboard, and Surface Pro Signature Keyboard

<sup>18</sup> Keyboard sold separately.

<sup>19</sup> Microsoft Account required.

<sup>20</sup> Currently supports translation for video and audio subtitles into English from 40+ languages. See <https://aka.ms/copilotpluspcs>

<sup>21</sup> 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>.

<sup>22</sup> Requires license or subscription (sold separately) to activate and use.

<sup>23</sup> 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.

<sup>24</sup> Microsoft 365 Personal or Family subscription required.

<sup>25</sup> Activation required for Xbox Game Pass Ultimate. Xbox Game Pass ultimate 30 day trial accessible through [Xbox.com/Play](https://xbox.com/play). You can use it to play games on Xbox One and Xbox Series Consoles, and stream select games where available to Surface Surface Pro 9 through [Xbox.com/Play](https://xbox.com/play) and other supported devices. Not currently available in China.

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<sup>26</sup> Colors available on selected models only. Available colors, sizes, finishes, and processors may vary by store, market, and configuration.

<sup>27</sup> Microsoft's Limited Warranty is in addition to your consumer law rights.

<sup>28</sup> Might vary depending on manufacturing processes.

<sup>29</sup> Surface Pro Flex Keyboard and Surface Pro Keyboard with optional bold keyset available only in US English.

<sup>30</sup> Requires Windows 11

<sup>31</sup> 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.

<sup>32</sup> 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.

### Surface Pro Flex Keyboard Disclaimers

<sup>33</sup> Detached use requires Windows 11.

<sup>34</sup> Testing conducted by Microsoft in April 2024, using pre-production compatible Windows 11 devices and software, under controlled conditions. Testing consisted of full battery discharge with continuous typing while keyboard is detached from the device. All settings were default including backlight off and no pen in tray. Battery life varies significantly with settings, usage, and other factors.

<sup>35</sup> Sold separately.

<sup>36</sup> Surface Pro Flex Keyboard with bold keyset available only in US English.

<sup>37</sup> Use Copilot key with supported Windows 11 devices; feature availability varies by device and market, see [aka.ms/KeySupport](https://aka.ms/KeySupport)

<sup>38</sup> Sold separately.

<sup>39</sup> Available colors may vary by market.

<sup>40</sup> Microsoft's Limited Warranty is in addition to your consumer law rights.

<sup>41</sup> Based on internal testing. Connectivity may vary based on usage and environmental factors.