

# Copilot+PC

## Surface Laptop for Business

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 life<sup>5</sup> 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 Captions<sup>10</sup>

Made with a minimum of 67.2% recycled content in the enclosure<sup>3</sup>

Two USB-C®/USB4® ports enable fast data transfer and support up to three 4K monitors at 60Hz with compatible docks.<sup>7</sup> Ensure fast, resilient connectivity with Wi-Fi 7.<sup>9</sup>

### 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



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



Signature Surface keyboard experience with a Copilot key<sup>6</sup> for quick access to Copilot<sup>4</sup> 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.<sup>5</sup> Supports fast charging with minimum of 65W power supply via Surface Connect or USB-C.<sup>® 38</sup>

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

<sup>3</sup>Enclosure 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. <sup>4</sup>Copilot with commercial data protection is available at no additional cost for users with an Entra ID with an enabled, [eligible Microsoft 365 license](#). <sup>5</sup>Based 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. <sup>6</sup>Copilot key feature availability varies by market, see [aka.ms/keysupport](#). <sup>7</sup>Supporting 3 external displays requires either 2 displays connected to a compatible dock or connected through daisy chain. <sup>8</sup>6GHz band not available in all regions. <sup>9</sup>Currently supports translation for video and audio subtitles into English from 40+ languages. See [aka.ms/copilotpluspc](#). <sup>10</sup>HDR requires HDR content and enabling HDR in device settings. <sup>11</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. <sup>12</sup>Tested 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 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. <sup>13</sup>13.8" 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.

# Surface Laptop for Business

## PROCESSOR

**Surface Laptop 13.8”:**  
Snapdragon® X Plus (10 Core)  
Snapdragon® X Elite (12 Core)

**Surface Laptop 15”:**  
Snapdragon® X Elite (12 Core)

## NPU

Qualcomm® Hexagon™ with 45 TOPS

## GRAPHICS

Qualcomm® Adreno™ GPU

## MEMORY AND STORAGE<sup>1</sup>

**Memory options:**  
Surface Laptop 13.8”:  
32GB, LPDDR5x RAM  
Surface Laptop 15”:  
16GB, 32GB,  
LPDDR5x RAM

## Storage options:

Removable<sup>2</sup> solid-state drive (Gen 4 SSD)  
256GB, 512GB, 1TB

## 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

## PORTS AND CHARGING

**Surface Laptop 13.8”:**  
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>3</sup>

USB-A 3.1  
3.5 mm headphone jack  
Surface Connect port

**Surface Laptop 15”:**  
2 X USB-C®/USB 4® ports with support for:

- Charging
- Data transfer
- DisplayPort 1.4a
- Thunderbolt™ 4 Dock and other accessories

Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®<sup>3</sup>

USB-A 3.1  
MicroSDXC card reader  
3.5 mm headphone jack  
Surface Connect port

## NETWORK AND CONNECTIVITY

Wi-Fi 7<sup>4</sup>  
Bluetooth® Wireless 5.4 technology

## BATTERY LIFE

**Surface Laptop 13.8”:**  
Up to 20 hours of local video playback<sup>5</sup>  
Up to 13 hours of active web usage<sup>6</sup>

**Surface Laptop 15”:**  
Up to 22 hours of local video playback<sup>7</sup>  
Up to 15 hours of active web usage<sup>8</sup>

## CAMERAS

Full HD front-facing Surface Studio Camera

- 1080p Full HD camera
- Windows Studio Effects with automatic framing, portrait blur, creative filters (illustrated, animated, watercolor), eye contact, and portrait light

Windows Hello face authentication camera

## SOFTWARE

Windows 11 Pro  
Preloaded Microsoft 365 Apps<sup>9</sup>  
Microsoft 365 Business Standard,  
Microsoft 365 Business Premium, or  
Microsoft 365 Apps 30-day trial<sup>10</sup>

## SIZE AND WEIGHT<sup>11</sup>

**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)

**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)

## DISPLAY

**Surface Laptop 13.8”:**  
Touchscreen: 13.8” PixelSense Flow™ Display  
Resolution: 2304 x 1536 (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™<sup>12</sup>  
Corning® Gorilla® Glass 5

Brightness:  
• SDR: 600 nits maximum (typical)  
• HDR:<sup>13</sup> 600 nits peak luminance

**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™ support<sup>12</sup>  
Corning® Gorilla® Glass 5  
Brightness:  
• SDR: 600 nits maximum (typical)  
• HDR:<sup>13</sup> 600 nits peak luminance



<sup>1</sup>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](https://www.microsoft.com/surface/storage) for 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>13.8” Surface Laptop comes with 39 W 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. <sup>4</sup>6GHz band not available in all regions. <sup>5</sup>Up 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. <sup>6</sup>Up 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. <sup>7</sup>Up 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. <sup>8</sup>Up 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. <sup>9</sup>Sold separately. Software license required for some features. <sup>10</sup>Activation 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](https://aka.ms/m365businesstrialinfo). <sup>11</sup>Might vary depending on manufacturing processes. <sup>12</sup>Requires Dolby Vision® encoded content and video. <sup>13</sup>HDR requires HDR content and enabling HDR in device settings.

# Surface Laptop for Business

## 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 key<sup>14</sup>
- Precision haptic touchpad

## AUDIO

Dual Studio Mics with voice focus<sup>15</sup>

Omnisonic® Speakers with Dolby® Atmos®<sup>16</sup>  
Support for Bluetooth® LE Audio

## SERVICEABILITY

Replaceable components include:<sup>17</sup>

- 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 mode<sup>18</sup>

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:<sup>19</sup> 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 metals<sup>20</sup>

## 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® Gold<sup>21</sup>

## Repairability

Clear visual icons and built-in access to repair instructions<sup>17</sup>

## 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](#)

## WARRANTY<sup>22</sup>

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]<sup>23</sup>

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](#)



<sup>14</sup>Copilot key feature availability varies by market, see [aka.ms/keysupport](#). <sup>15</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>16</sup>Requires Dolby® Atmos® encoded content/audio. <sup>17</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. <sup>18</sup>Requires Windows 11. <sup>19</sup>Colors available on selected models only. Available colors, sizes, finishes, and processors may vary by store, market, and configuration. <sup>20</sup>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. <sup>21</sup>Please refer to the EPEAT registry for current ratings. Ratings can vary by country, may change over time, and products are eventually archived. <sup>22</sup>Microsoft's Limited Warranty is in addition to your consumer law rights. <sup>23</sup>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 2 W/kg pour la tête et le tronc et de 4 W/kg pour les membres. Consultez cette page pour en savoir plus.