

# Microsoft Surface Laptop 5

## Super powered for serious work

When your team's work speaks for itself, things can get loud. With lightning-fast performance, sleek portability, true-to-life video calls, PixelSense™ touchscreen display, and built-in security, Microsoft Surface Laptop 5 enables your team to do what it does best: Deliver impact with speed and performance.

### BENEFITS

Feel like you're face-to-face with clients and coworkers in flattering, true-to-life video with great low-light capabilities.

Give IT peace of mind knowing that your company, customer, and employee data are safe and secure with Windows 11 Secured-core PC, featuring a removable hard drive for data retention.

Some days there's just no time to waste. Get back to work within seconds of opening the lid with Instant On. Plus, sign in securely with Windows Hello password-free sign-in.

Ultra-vivid colors with Dolby Vision®



Enhanced camera experiences, powered by Windows 11

15" Aluminum casing in Platinum

13.5" PixelSense™ touchscreen for ultra-portable productivity



Versatile Thunderbolt™ 4 connectivity



13.5" with Alcantara® material palm rest

# Microsoft Surface Laptop 5

## SIZE AND WEIGHT

Surface Laptop 5 13.5":  
Length: 12.1 inch (308 mm)  
Width: 8.8 inch (223 mm)  
Height: .57 inch (14.5 mm)  
Weight: Fabric 2.80 lbs (1,272 g)  
Metal 2.86 lbs (1,297 g)

Surface Laptop 5 15":  
Length: 13.4 inch (340 mm)  
Width: 9.6 inch (244 mm)  
Height: .58 inch (14.7 mm)  
Weight: 3.44 lbs (1,560 g)

## PROCESSOR

Surface Laptop 5 13.5"  
12th Gen Intel® Core™  
i5-1245U processor  
12th Gen Intel® Core™  
i7-1265U processor  
Built on the Intel® Evo™ platform

Surface Laptop 5 15"  
12th Gen Intel® Core™  
i7-1265U processor  
Built on the Intel® Evo™ platform

## KEYBOARD LAYOUT

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

## BATTERY LIFE<sup>14</sup>

Surface Laptop 5 13.5"  
Up to 18 hours of typical device usage

Surface Laptop 5 15"  
Up to 17 hours of typical device usage

## ENERGY USAGE (JAPAN ONLY)

13.5"  
Surface Laptop 5, Intel  
構成：12区分 12.4kWh/年(AAA)

15"  
Surface Laptop 5, Intel  
構成：12区分 12.8kWh/年(AAA)

## SUSTAINABILITY<sup>12</sup>

Meets ENERGY STAR® requirements  
Registered EPEAT® Gold in the US and Canada<sup>13</sup>  
[Sustainable Products & Solutions](#) | [Microsoft CSR](#)

## SENSORS

Ambient light sensor

## WARRANTY<sup>15</sup>

1-year limited hardware warranty



Select SKUs built on the Intel® Evo™ Platform

15" with metal palm rest

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## SERVICEABILITY<sup>2</sup>

Replaceable components include:

- SSD
- AB Cover module (display)
- C Cover
- Battery + Bucket
- Motherboard
- Charging Port (Surflink connector)
- Thermal Module
- Thermal pad and Desense tape
- Feet

## ACCESSIBILITY

Compatible with Surface Adaptive Kit  
Compatible with Surface Delay  
Include Windows Accessibility Feature – Learn More  
[Accessibility Features | Microsoft Accessibility](#)  
Discover more Microsoft Accessible Devices & Products  
[Accessible Devices & Products for PC & Gaming | Assistive Tech Accessories - Microsoft Store](#)

## RADIO FREQUENCY (FRANCE ONLY)<sup>16</sup>

1950  
(Intel® 13.5" Alcantara® material)  
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 1.0 W/kg pour le tronc

1951  
(Intel® 13.5" Boîtier: aluminum)  
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 1.0 W/kg pour le tronc

1979  
(Intel® 15" Boîtier: aluminum)  
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 1.0 W/kg pour le tronc

1953  
(Intel® 15" Boîtier: aluminum)  
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 0.38 W/kg pour le tronc

## DISPLAY

Surface Laptop 5 13.5"  
Screen: 13.5" PixelSense™ Display  
Resolution: 2256 x 1504 (201 PPI)  
Aspect ratio: 3:2  
Contrast ratio 1300:1  
Color profile: sRGB, and Vivid  
Individually color-calibrated display  
Dolby Vision IQ™<sup>3</sup> support  
Touch: 10-point multi-touch  
Gorilla® Glass 3 display on laptop with Alcantara® palm rest  
Gorilla® Glass 5 display on laptop with metal palm rest  
Brightness: 400 nits maximum (typical). 5 nits minimum

Surface Laptop 5 15"  
Screen: 15" PixelSense™ Display  
Resolution: 2496 x 1664 (201 PPI)  
Aspect ratio: 3:2  
Contrast ratio 1300:1  
Color profile: sRGB, and Vivid  
Individually color-calibrated display  
Dolby Vision IQ™<sup>3</sup> support  
Touch: 10-point multi-touch  
Gorilla® Glass 5  
Brightness: 400 nits maximum (typical). 5 nits minimum

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## WHAT'S IN THE BOX

Surface Laptop 5 13.5" and 15"  
Power Supply  
Quick Start Guide  
Safety and warranty documents

## PORTS

1 x USB-C® with USB  
4.0/Thunderbolt™ 4  
1 x USB-A 3.1  
3.5 mm headphone jack  
1 x Surface Connect port

## CAMERAS

Windows Hello Face  
Authentication camera  
720p HD front facing camera

## AUDIO

Dual far-field Studio Mics  
Omnisonic® Speakers with  
Dolby® Atmos®<sup>5</sup>

## SECURITY

TPM 2.0 chip for enterprise-grade  
security and BitLocker support  
Enterprise-grade protection with  
Windows Hello face sign-in  
Windows 11 Secured-core PC.

## SOFTWARE

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

## PEN AND ACCESSORIES COMPATIBILITY

Designed for Surface Pen<sup>6</sup>  
Supports Microsoft Pen  
Protocol (MPP)

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

8GB, 16GB, or 32GB LPDDR5x RAM  
Removable<sup>2</sup> solid-state drive (SSD)  
options: 256GB, 512GB, or 1TB

## BATTERY CAPACITIES

Battery Capacity Nominal  
(WH) 47.4  
Battery Capacity Min (WH) 45.8

## NETWORK AND CONNECTIVITY

Wi-Fi 6: 802.11ax compatible  
Bluetooth® Wireless 5.1  
technology

## EXTERIOR

Casing: Aluminum  
Power and Volume buttons  
on keyboard

Surface Laptop 5 13.5" colors<sup>15</sup>  
Platinum with Alcantara®  
material palm rest  
Sage with metal palm rest  
Matte Black with metal palm rest  
Sandstone with metal palm rest

Surface Laptop 5 15" colors<sup>14</sup>  
Platinum with metal palm rest  
Matte Black with metal palm rest

## GRAPHICS

Intel® Iris® Xe Graphics

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## Disclaimers

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](https://surface.com/storage) for more details.

2 Customer Replaceable Units (CRUs) are components available for purchase through your Surface Commercial Authorized Device Reseller. Components can be replaced on-site by a skilled technician following Microsoft's Service Guide. 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. Device damage caused during repair will not be covered under Microsoft's Hardware Warranty or protection plans. Components will be available shortly after initial launch; timing of availability varies by component and market.

3 Requires Dolby Vision® encoded content and video.

4 Battery life varies significantly based on device configuration, usage, network and feature configuration, signal strength, settings and other factors. See [aka.ms/SurfaceBatteryPerformance](https://aka.ms/SurfaceBatteryPerformance) for details.

### **Up to 18 hours of battery life based on typical Surface device usage on Surface Laptop 5 13.5"**

Testing conducted by Microsoft in August 2022 using preproduction software and preproduction 13.5" Intel® 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 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.

### **Up to 17 hours of battery life based on typical Surface device usage on Surface Laptop 5 15"**

Testing conducted by Microsoft in August 2022 using preproduction software and preproduction 15" Intel® Core™ i7, 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 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.

5 Requires Dolby® Atmos® encoded content/audio.

6 Sold separately

10 Sold separately. Software license required for some features. (Japan versions are pre-installed. Not a trial. Need to call it out in OS.)

11 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 <https://aka.ms/m365businesstrialinfo>.

(Japan versions are pre-installed. Not a trial. Need to call it out in OS.)

12 Download the full Eco profile see – [https://aka.ms/ProX\\_EcoProfile](https://aka.ms/ProX_EcoProfile).

13 For more information on registration in other markets check - [https://aka.ms/LaptopStudio\\_EPEAT](https://aka.ms/LaptopStudio_EPEAT).

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

15 Microsoft's Limited Warranty is in addition to your consumer law rights.

16 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.