

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 LIFE¹⁴

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)

SUSTAINABILITY¹²

Meets ENERGY STAR® requirements
Registered EPEAT® Gold in the US and Canada¹³
[Sustainable Products & Solutions | Microsoft CSR](#)

SENSORS

Ambient light sensor

WARRANTY¹⁵

1-year limited hardware warranty



Select SKUs
built on the Intel®
Evo™ Platform

15" with metal
palm rest

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SERVICEABILITY²

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)¹⁶

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™³ 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™³ 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®⁵

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 Apps¹⁰
Microsoft 365 Business Standard,
Microsoft 365 Business Premium,
or Microsoft 365 Apps 30-day trial¹¹

PEN AND ACCESSORIES COMPATIBILITY

Designed for Surface Pen⁶
Supports Microsoft Pen
Protocol (MPP)

MEMORY AND STORAGE¹

8GB, 16GB, or 32GB LPDDR5x RAM
Removable² 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

GRAPHICS

Intel® Iris® Xe Graphics

Surface Laptop 5 13.5" colors¹⁵
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" colors¹⁴
Platinum with metal palm rest
Matte Black with metal palm rest

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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 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/m365businessstrialinfo>.

(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

13 For more information on registration in other markets check - 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.