



Surface Laptop 6

Integrated with a FIPS 201 Compliant Smart Card Reader

Surface Laptop 6 delivers performance and power in a TAA-compliant device with the technical specifications government agencies need to meet rigorous security standards.



Relentless power for demanding workloads
Fuel productivity throughout the workday with power and performance designed to keep pace with the demands of your agency.

A sleek and durable Microsoft design
Surface Laptop 6 will surpass expectations: meticulously crafted, designed for longevity, and featuring collaborative tools and AI-driven features.

Productivity realized with Microsoft Copilot¹
Experience Copilot in Windows 11 Pro¹ and Microsoft Copilot for Microsoft 365² in ways only Surface can create, with detailed support for inclusive work styles.

Multi-layered security and manageability
Windows 11's industry-leading security safeguards sensitive data, and remote management provides protection at every layer—hardware, firmware, application, cloud, and identity.



FIPS-validated TPM 2.0 to easily encrypt your data in an isolated environment

Simplified repairs and replaceable parts including the motherboard and battery³

Anti-reflective touchscreen display that reduces reflections by up to 50%



New Copilot key⁴ for quick access to Copilot in Windows 11 Pro¹



AI-enhanced 1080p HD Studio Camera with Windows Studio Effects

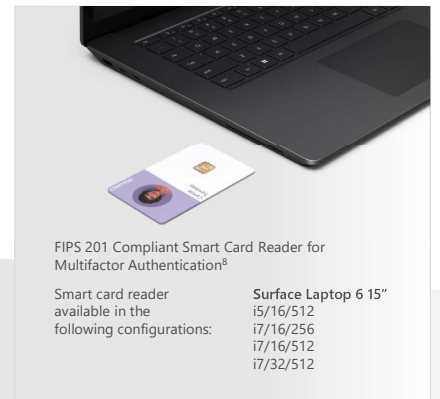
Up to 19 hours of battery life⁵ and support for fast charging⁶

Improved productivity with Surface Laptop 6 and Windows 11 Pro AI experiences

Secured-core PC designed to elevate the benefits of Windows 11 security



Intel® Core™ Ultra processor H-series with up to 2x faster performance⁷



FIPS 201 Compliant Smart Card Reader for Multifactor Authentication⁸

Smart card reader available in the following configurations:

Surface Laptop 6 15"
i5/16/512
i7/16/256
i7/16/512
i7/32/512

¹Copilot in Windows (in preview) is available in select global markets and will be rolled out to additional markets over time - [Learn more](#). Copilot with commercial data protection is available at no additional cost for users with an Entra ID with an enabled [eligible Microsoft 365 license](#). Copilot for Microsoft 365 sold separately and requires a qualifying volume license or subscription - [Microsoft Copilot for Microsoft 365 | Microsoft 365](#). ²Replacement components are 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. ³Repairs required by law, device damage caused during repair will not be covered under Microsoft's Hardware Warranty or protection plans. ⁴Feature availability varies by market, see [https://aka.ms/Windows11Pro](#). ⁵When Copilot in Windows is not available or enabled on the device, pressing the Copilot key will launch Windows Search. ⁶Battery life varies significantly based on usage, network and feature configuration, signal strength, settings and other factors. See [https://aka.ms/Windows11Pro](#) for details. ⁷Surface Laptop 6 comes with 19 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 PD 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 23°C. ⁸Based on 3DMark TimeSpy benchmark measuring graphic performance compared to Surface Laptop 5. ⁹Integrated smart card reader available only on Surface Laptop 6 in Black in one of these configurations: i5/16/512, i7/16/256, i7/16/512, i7/32/512 and only in US and Canada.



Surface Laptop 6

PROCESSOR

Intel® Core™ Ultra 5 processor 135H
Intel® Core™ Ultra 7 processor 165H
NPU: Intel® AI Boost

MEMORY AND STORAGE¹

Memory options:
8GB LPDDR5 RAM, 16GB, 32GB or 64GB LPDDR5X RAM

Storage options:
Removable² solid-state drive (Gen 4 SSD): 256GB, 512GB, 1TB

SECURITY

Hardware TPM 2.0 chip for enterprise-grade security and BitLocker support
Windows Hello facial recognition with Enhanced Sign-in Security
Integrated smart card reader authentication (available on select models and markets)³
Windows 11 Secured-core PC

PORTS AND CHARGING

Surface Laptop 6 15":
2 x USB-C* with USB4*/Thunderbolt™ 4 with support for:
Charging
Data transfer
DisplayPort 2.1 with support up to 1 x 8K monitor*
Supports fast charging with minimum 45W power supply via Surface Connect or USB-C*
USB-A 3.1
3.5 mm headset jack
Surface Connect port
Integrated smart card reader (available on select models and markets)³

BATTERY LIFE⁵

Surface Laptop 6 15":
Up to 19 hours of typical device usage⁶

CAMERAS

Full HD front-facing Surface Studio Camera
1080p Full HD camera
Windows Studio Effects with automatic framing, eye contact, and background blur
Windows Hello face authentication camera

SIZE AND WEIGHT⁷

Surface Laptop 6 15":
Length: 13.4 inch (340 mm)
Width: 9.6 inch (244 mm)
Height: 0.67 inch (16.9 mm)
Weight: 3.70 lbs (1.68 kg)
With smart card reader:³ 3.71 lbs (1.68 kg)

SOFTWARE

Windows 11 Pro or Windows 10 Pro⁸
Preloaded Microsoft 365 Apps⁹
Microsoft 365 Business Standard, Microsoft 365 Business Premium, or Microsoft 365 Apps 30-day trial¹⁰

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
Capitol key¹¹
Touchpad

AUDIO

Dual Studio Mics with voice focus¹²
OmniSonic™ Speakers with Dolby® Atmos¹³
Support for Bluetooth® LE Audio

DISPLAY

Surface Laptop 6 15":
Touchscreen: 15" PixelSense™ Display
Resolution: 2496 x 1664 (201 PPI)
Aspect ratio: 3:2
Contrast ratio: 1300:1
Color profiles: sRGB, and Enhanced
Individually color-calibrated display
Adaptive color
Touch: 10-point multi-touch
Dolby Vision IQ™ support
Corning® Gorilla® Glass 5
Anti-reflective
Brightness: SDR 400 nits maximum (typical)

SERVICEABILITY

Replacement components:¹⁵

- Display assembly (including camera)
- Keyboard assembly
- Removable solid-state drive
- Battery
- Motherboard module (main processor and main memory)
- Surface Connect
- Thermal module
- Audio jack
- Speakers
- Touchpad
- Enclosure
- Feet

ACCESSIBILITY

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 - Microsoft Store](#)

SENSORS

Ambient light sensor

WHAT'S IN THE BOX

Surface Laptop 6 15"
Power Supply: 65W
Quick Start Guide
Safety and warranty documents

BATTERY CAPACITIES¹⁶

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

EXTERIOR

Casing: Anodized aluminum
Colors:¹⁶ Platinum or Black

SUSTAINABILITY

More recycled materials
Enclosure is made with a minimum of 25.8% recycled content, including 100% recycled aluminum alloy and 100% recycled rare earth metals.¹⁷

More energy efficient
ENERGY STAR® certified

More repairable

More replaceable components than Surface Laptop 5.
Built-in QR code provides convenient access to instructions.¹⁸

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](#)

WARRANTY¹⁹

1-year limited hardware warranty

PEN AND ACCESSORIES COMPATIBILITY

Supports Microsoft Pen Protocol (MPP)

NETWORK AND CONNECTIVITY

Wi-Fi 6E: 802.11ax compatible¹⁹
Bluetooth® Wireless 5.3 technology

GRAPHICS

8GB memory: Intel® Graphics
16GB, 32GB or 64GB memory: Intel® Arc™ Graphics

¹See [www.surface.com](#) for details on cables that support DisplayPort 2.1. *System System software uses significant storage space. Available storage is subject to change based on system software updates and apps usage. USB = 1 billion bytes, TB = 1,000 GB. [Surface.com/Storage](#) for more details. ²Solid 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. ³Integrated smart card reader available only on Surface Laptop 6 in Black in one of these configurations: 15" S165152, 7/16256, 7/16212, 7/25212 and only in US and Canada. ⁴15" Surface Laptop 6 comes with 39W 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 49W USB-C* charger under controlled conditions. The device was covered on to the display screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23°C. ⁵Battery life varies significantly based on usage, network and feature configuration, screen brightness, settings and other factors. See [www.surface.com/battery-life](#) for details. ⁶Battery life varies significantly based on usage, network and feature configuration, signal strength, settings and other factors. See [www.surface.com/battery-life](#) for details. ⁷Weight varies depending on manufacturing processes. Windows 10 is not available for purchase but is supported by Surface Laptop 6. Visit [https://aka.ms/Windows10Upgrade](#) for more information. ⁸Sold separately. Software license required for some features. ⁹Activation 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/MS365TrialUpgrade](#). ¹⁰Feature availability varies by market. See [www.microsoft.com/surface](#). ¹¹When Capitol for Windows is not available or enabled on the device, pressing the Capitol key will launch Windows Search. ¹²Voice focus requires activation. Windows 11 and is available in apps which use integrated device microphones and use certain Windows audio processing modes. ¹³Requires Dolby® Atmos® encoded content/audio. ¹⁴Requires Dolby Vision® encoded content and video. ¹⁵Replacement components available through Surface Commercial authorized device resellers. Components can be repaired on-site by a labeled technician following Microsoft's Service Guide. Microsoft tools (not provided) may also be required. Availability of equipment components and service options may vary by product, market and over time. See [Surface.com/repair](#). ¹⁶Colors available on selected models only. Available colors, sizes, finishes, and processors may vary by market and configuration. ¹⁷Enclosure includes A Cover, C Cover and D Backlet. 100% recycled aluminum alloy in A Cover. 100% recycled rare earth metals in magnets. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure for Recycled Content, US 2020-2, Second Edition, November 7, 2023. ¹⁸Microsoft's Limited Warranty is in addition to your consumer law rights. ¹⁹Wi-Fi 6E is not available in all areas.