



Surface Book 2 Technical Specification



Dimensions

- Surface Book 2 13.5"
- i5: 12.3" x 9.14" x 0.51"-0.90" (312mm x 232mm x 13 mm-23mm)
- i7: 12.3" x 9.14" x 0.59"-0.90" (312mm x 232mm x 15mm-23mm)
- Surface Book 2 15"
- 13.5" x 9.87" x 0.568-0.90" (343mm x 251mm x 15mm- 23mm)

Storage³

- Solid state drive (SSD) options: 256GB, 512GB or 1TB PCIe SSD

Display

- Surface Book 2 13.5" PixelSense™ Display
- Screen: 13.5" PixelSense™ Display
- Resolution: 3000 x 2000 (267 PPI)
- Aspect ratio: 3:2
- Contrast ratio: 1600:1
- Touch: 10 point multi-touch G5
- Surface Book 2 15" PixelSense™ Display
- Screen: 15" PixelSense™ Display
- Resolution: 3240 x 2160, (260 PPI)
- 10 point multi-touch G5
- Aspect ratio: 3:2
- Contrast ratio: 1600:1

Battery life

- Up to 17 hours of video playback¹

Memory

- Surface Book 2 13.5"
- 8GB or 16GB RAM 1866MHz LPDDR3
- Surface Book 2 15"
- 16GB RAM 1866MHz LPDDR³

Graphics

- Surface Book 2 13.5" PixelSense™ Display
- Intel® HD Graphics 620 integrated GPU (on Intel® i5-7300U model)
- NVIDIA® GeForce® GTX 1050 discrete GPU w/2GB GDDR5 graphics memory (on Intel® i7-8650U models)
- Surface Book 2 15" PixelSense™ Display
- NVIDIA® GeForce® GTX 1060 discrete GPU w/6GB GDDR5 graphics memory

Processor

- Surface Book 2 13.5"
- 7th Gen Intel® Core™ i5-7300U dual-core processor, 3.5GHz Max Turbo
- 8th Gen Intel® Core™ i7-8650U quad-core processor, 4.2GHz Max Turbo
- Surface Book 2 15"
- 8th Gen Intel® Core™ i7-8650U quad-core processor, 4.2GHz Max Turbo

Software

- Windows 10 Pro Creators Update 64-bit
- Office 30-day trial

Warranty

- 1-year limited hardware warranty
- Connections
- 2 x USB type-A (version 3.1 Gen 1)
- 1 x USB type-C (version 3.1 Gen 1 with USB Power Delivery revision 3.0)
- 3.5mm headphone jack
- 2 x Surface Connect ports
- Full-size SDXC card reader
- Compatible with Surface Dial* on- and off-screen interaction

Security

- HW TPM 2.0 chip for enterprise security
- Enterprise-grade protection with Windows Hello face sign-in
- Cameras, video and audio
- Windows Hello face authentication camera (front-facing)
- 5.0MP front-facing camera with 1080p HD video
- 8.0MP rear-facing autofocus camera with 1080p HD video
- Dual microphones
- Front-facing stereo speakers with Dolby® Audio™ Premium
- Support for Windows Sonic for Headphones

Wireless

- Wi-Fi: IEEE 802.11 a/b/g/n/ac compatible
- Bluetooth Wireless 4.1 technology
- Xbox Wireless built-in (15" only)





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Sensors

- Ambient light sensor
- Proximity sensor
- Accelerometer
- Gyroscope
- Magnetometer

Exterior

- Casing: Magnesium
- Colour: Silver
- Physical buttons: Volume, Power

What's in the box

- Power Supply
- Surface Book 2 13.5" PixelSense™ Display
- 39W (integrated GPU) or 95W (discrete GPU) Surface Power Supply w/USB-A (5W) charging port
- Quick Start Guide
- Safety and warranty documents
- Surface Book 2 15" PixelSense™ Display
- 95W Surface Power Supply w/USB-A (5W) charging port
- Quick Start Guide
- Safety and warranty documents

Weight

- Surface Book 2 13.5" PixelSense™ Display
- Intel® Core™ i5: Starting at 3.38 lbs (1,534 g) including keyboard
- Intel® Core™ i7: Starting at 3.62 lbs (1,642 g) including keyboard
- Surface Book 2 15" PixelSense™ Display
- Intel® Core™ i7: Starting at 4.20 lbs (1,905g) including keyboard

* Some accessories and software sold separately. ** Windows Mixed Reality requires a compatible Windows 10 PC and headset, plus the Windows 10 Fall Creators Update; PC requirements may vary for available apps and content. The connection between the Windows Mixed Reality-ready PC and the immersive headset requires full-sized HDMI and USB 3.0 ports.

¹Surface Book 2 battery life. Surface Book 2 13.5": Up to 17 hours of video playback. Testing conducted by Microsoft in October 2017 using preproduction Intel® Core™ i5, 256GB, 8 GB RAM device. Testing consisted of full battery discharge during video playback. All settings were default except: Wi-Fi was associated with a network and Auto-Brightness disabled. Battery life varies significantly with settings, usage and other factors. Surface Book 2 15": Up to 17 hours of video playback. Testing conducted by Microsoft in October 2017 using preproduction Intel® Core™ i7, 512GB, 16 GB RAM dGPU device. Testing consisted of full battery discharge during video playback. All settings were default except: Wi-Fi was associated with a network and Auto-Brightness disabled. Battery life varies significantly with settings, usage and other factors. ² Office 365 subscription required (sold separately). Latest update to Office required.

³ 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. See Surface.com/Storage for more details.