

# Surface Book

Fact Sheet  
October 2016



Introducing the latest generation of Surface Book, designed from the inside out to deliver more than twice the graphics performance of the original Surface Book and up to 16 hours of battery life.<sup>1</sup> Designed with the quality and craftsmanship that characterize Surface, Surface Book combines 6th Generation Intel® Core™ i5 and Core™ i7 processors, up to 1 TB of storage and optional discrete NVIDIA® GeForce® graphics, an integrated backlit keyboard, responsive glass trackpad, and detachable clipboard featuring a 13.5-inch PixelSense™ Display. Starting at \$1,499, Surface Book is a high-performance laptop with all-day battery life that flexes to meet the demands of your work — from the art studio to the board room.

## Top Features and Benefits

- **Introducing the most powerful generation of Surface Book.** The new models of Surface Book take the device's revolutionary design to the next level, adding three updated SKUs to the Surface Book lineup. It is a mobile workstation that runs all the professional-grade software people need for engineering, design and everything in between. Built for performance and portability, the new Surface Book SKUs include the latest 6th Generation Intel® Core™ i7 processors and up to 16 GB of RAM. With an NVIDIA® GeForce® GTX 965M and 2GB GDDR5 memory that is more powerful than the original Surface Book SKUs, you have more graphics power for intensive desktop-class software and PC gaming. It is available with up to 1 TB of high-performance SSD.
- **Stunning PixelSense™ Display.** With 6 million pixels, 1700:1 contrast ratio, 100 percent sRGB color and a 3:2 aspect ratio, Surface Book's 13.5-inch PixelSense™ Display offers stunning clarity and incredible resolution. And every Surface Book PixelSense™ Display is individually calibrated for true-to-life color, with extremely high accuracy, contrast and low glare.
- **Creative powerhouse.** Surface Book is designed to be your creative powerhouse, built for the most demanding creative tasks. Edit photos and videos in graphics-heavy applications with fluidity and smoothness. With up to 16 hours of battery life for video playback<sup>1</sup> to take you throughout your workday. It is the ultimate laptop to power your ideas.
- **Draw, write and create on the go.** Quickly and easily detach the screen to use it like a clipboard, and take advantage of its advanced touch and precise inking experience, or rotate and reattach to continue using the hardware-accelerated graphics. Design and sketch naturally with Surface Pen,

the ultimate modern writing experience with 1,024 levels of pressure sensitivity. When attached to the base, Surface Book enables quiet typing and more words per minute with a keyboard built for comfort, accuracy and efficiency.

- **Engineered for Windows 10.** With Windows 10 Pro, Surface Book is compatible with all your favorite Windows software, including Microsoft Office and professional-grade desktop software such as Siemens' NX™ software.<sup>2</sup>

## Technical Specifications

Operating System	Windows 10 Pro
Exterior	<p>Dimensions: Laptop: 9.14 x 12.3 x 0.51-0.90 inches (232.1 x 312.3 x 13.0-22.8 mm) Clipboard only: 8.67 x 12.3 x 0.30 inches (220.2 x 312.3 x 7.7 mm)</p> <p>Weight: Surface Book: Starting at 3.34 lbs. (1515 g) Surface Book, NVIDIA GeForce® GPU: 3.48 lbs (1578 g) Surface Book, NVIDIA GeForce® GTX 965M: 3.63 lbs. (1647 g) Clipboard only: 1.6 lbs. (726 g)</p> <p>Mechanical features: Magnesium body, Dynamic Fulcrum Hinge, One-button Muscle Wire detach mechanism Color: Silver Physical clipboard buttons: power, volume</p>
Storage	Solid-state drive (SSD) PCIe 3.0: 128 GB, 256 GB, 512 GB or 1 TB <sup>3</sup>
Display	<p>Screen: 13.5-inch PixelSense™ Display Resolution: 3000x2000 (267 ppi) Contrast ratio: 1700:1 Aspect ratio: 3:2 100 percent sRGB color, individually calibrated Touch: 10-point multitouch</p>
CPU	6th Generation Intel® Core™ i5 or Core™ i7
Graphics	<p>Surface Book: Intel® HD Graphics 520 and optional NVIDIA® GeForce® graphics processor with dedicated 1GB GDDR5 high-speed memory</p> <p>Surface Book (i7 only): NVIDIA® GeForce® GTX 965M 2GB GDDR5 memory</p>
Memory	8GB or 16GB RAM
Keyboard and Trackpad	<p>Full-size, integrated backlit keyboard with 1.6mm key travel</p> <p>Precision trackpad with glass-laminated trackpad (7,350 sq. mm) Five-finger contact recognition with full Windows 10 support</p>

	Subpixel resolution
Security	TPM 2.0 chip for enterprise security
Pen	Surface Pen 1,024 levels of pressure sensitivity Magnetic storage
Network	802.11ac 2x2 MIMO Wi-Fi wireless networking; IEEE 802.11a/b/g/n compatible Bluetooth® 4.0 LE wireless technology
Battery	Surface Book: Up to 12 hours of battery life for video playback <sup>4</sup> Surface Book (i7 only): Up to 16 hours battery life for local video playback <sup>1</sup>
Cameras	Windows Hello face-authentication camera (front-facing) <sup>5</sup> 8.0MP rear-facing auto-focus camera, with 1080p HD camera 5.0MP front-facing 1080p HD camera
Audio	Dual microphones, front- and rear-facing Front-facing stereo speakers with Dolby® audio
Ports	Two full-size USB 3.0 Full-size SD™ card reader (UHS-II performance) Surface Connect for power and docking (base and clipboard) Stereo headphones/microphone jack Mini DisplayPort
Sensors	Ambient light sensor Accelerometer Gyroscope Magnetometer
Power supply	36W power supply with USB charging port 65W power supply with USB charging port (discrete GPU SKU) 102W power supply with USB charging port (New Core i7 SKUs)
In the box	Surface Book Surface Pen Power supply Quick Start Guide Safety and warranty documents
Warranty	One-year limited hardware warranty <sup>6</sup>

<sup>1</sup> Testing conducted by Microsoft in August 2016 using preproduction Intel Core i7, 1TB, 16GB 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 was disabled. Battery life varies significantly with settings, usage and other factors.

<sup>2</sup> Sold separately

<sup>3</sup> System software uses significant storage space. Available storage is subject to change based on system software updates and apps usage. See <http://www.microsoft.com/surface/storage> for more details.

<sup>4</sup> Testing conducted by Microsoft in September 2015 using preproduction Intel® Core™ i5, 256GB, 8GB 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 was disabled. Battery life varies significantly with setting, usage and other factors

<sup>5</sup> Windows Hello requires specialized biometric hardware.

<sup>6</sup> In the U.S.; warranty terms vary by market.

## Contact Information

### **For more information, press only:**

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### **For more product information and images:**

Visit the Surface Newsroom at <http://www.microsoft.com/en-us/news/presskits/surface>.

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