

# Surface Studio

Fact Sheet  
October 2016



Surface Studio is an entirely new class of device designed to effortlessly bring your ideas to life. Use Surface Studio in Desktop Mode in a modern executive office or easily transform it into an immersive studio for individual creation or group collaboration. With a beautiful 28-inch PixelSense™ Display and innovative Zero Gravity Hinge, you can sketch, write, design and collaborate without interrupting the creative process.

## Top Features and Benefits

- **A stunning 28-inch PixelSense Display.** 13.5 million pixels immerse you in TrueColor™. At 192 PPI, the pixels are indistinguishable, delivering True Scale, where 12-point font on the display is identical to 12-point font on a printed page. The contrast ratio of 1100:1 with low glare ensures comfortable use across wide viewing angles. The wide color-gamut display features fast color profile switching between sRGB, DCI-P3, and Vivid (P3-D65). And with DCI-P3 color space, Surface Studio delivers more color than 99 percent of the world's desktop monitors. Each screen is individually color-calibrated at the factory to guarantee color accuracy and precision. All this, in the thinnest LCD monitor ever built at this size.<sup>1</sup>
- **Effortlessly transforms from Desktop to Studio Mode.** Surface Studio's display moves weightlessly on the innovative Zero Gravity Hinge between upright Desktop Mode, down into Studio Mode. In Studio Mode, the monitor creates a stable 20-degree drafting table optimized for natural interactions using Surface Pen, touch and Surface Dial, so people can visualize and develop ideas in a natural way — just like a sheet of paper on a drafting table. In Desktop Mode, Surface Studio is a powerful workstation designed to handle every aspect of your day. Surface Studio's unique ability to transform adjusts to every step of your creative process.
- **Collaborate with ease.** Surface Studio is a tool for collaboration and will make your video calls feel like face-to-face meetings with the 1080p low-light-capable front camera and stereo 2.1 speakers powered by Dolby® Audio™ Premium. It also comes with a front-facing infrared camera, giving you enterprise-grade security with Windows Hello.
- **Workstation-class power and performance.** With Quad-core 6<sup>th</sup> Generation Intel® Core™ processors, a discrete NVIDIA® GeForce® GPU with up to 4GB GDDR5 memory, and up to 2TB Rapid Hybrid Drive storage,<sup>2</sup> Surface Studio is able to smoothly run the most intensive desktop-class software such as Siemens NX™ software.<sup>3</sup> These powerful applications take on a whole new

life on Surface Studio. Surface Studio with discrete GPU is also powerful enough for the latest PC games or VR experiences, including HTC VIVE. Surface Studio supports Xbox Wireless, allowing you to connect up to four Xbox One-compatible controllers.<sup>3</sup>

- **Innovative and thoughtful accessories.** Surface Dial is a new, wireless rotational peripheral with adaptive haptic feedback and 3,600 points of precision built for Surface. With customizable controls, Surface Dial delivers both on-screen and off-screen experiences that enable you to interact with applications in natural ways that deliver a fluid creative process. Along with Surface Pen, Surface accessories are designed to allow you to reinvent the way you work, moving from touch to Surface Pen to Surface Dial without interrupting your flow. Built with premium materials, Microsoft Surface Keyboard and Microsoft Surface Mouse are the perfect complements to your Surface Studio, and the finishing touches to your desk space.

## Surface Studio Technical Specifications

Operating System	Windows 10 Pro				
Exterior	Dimensions:				
	<ul style="list-style-type: none"> <li>• Display: 637.35 mm wide x 438.90 mm high x 12.5 mm at center and 8.6 mm along the edge</li> <li>• Base: 250.00 mm x 220.00 mm x 32.20 mm</li> </ul>				
Display	Weight: up to 9.56 kg				
	Color: Silver Physical buttons: power, volume				
Display	Screen: 28-inch PixelSense™ Display				
	Resolution: 4,500x3,000 (13.5 million pixels at 192 DPI) native 2 x 96 DPI scaling Contrast ratio: 1100:1 Aspect ratio: 3:2 Color: DCI-P3 individually color-calibrated Color profiles: sRGB (standard), DCI-P3 (Cinema), Vivid (P3-D65) Touch: 10-point multitouch				
SKU Information	<b>6th Generation Intel® Core™ Processors</b>	<b>NVIDIA® GeForce® GPU</b>	<b>GPU Memory GDDR5</b>	<b>Memory DDR4</b>	<b>Rapid Hybrid Drive Storage</b>
	i5-6440HQ	GTX965M	2 GB	8 GB	1TB (64GB SSD)
	i7-6820HQ	GTX965M	2 GB	16 GB	1TB (128GB SSD)
	i7-6820HQ	GTX980M	4 GB	32 GB	2TB (128GB SSD)
Security	TPM chip for enterprise security, biometric security; Interface for Kensington Lock Kit for Surface Studio <sup>3</sup>				
Pen	Surface Pen 1,024 levels of pressure sensitivity Magnetic storage				

Network	10/100/1000Mb Ethernet (Gigabit) 802.11ac
Cameras	Windows Hello <sup>4</sup> face sign-in camera, enterprise-class authentication 5.0MP front-facing camera with 1080p video support
Audio	Stereo microphones Stereo 2.1 speakers with Dolby <sup>®</sup> Audio™ Premium (eight speakers in the display, two in the base)
Ports	Four full-size USB 3.0 Full-size SD™ card reader (UHS-II performance) 3.5mm stereo headphones/microphone jack Mini DisplayPort Gigabit Ethernet
Power supply	Internal power supply with AC inlet Grip-release cable (AC power cable)
In the box	Surface Studio Surface Pen Microsoft Surface Keyboard Microsoft Surface Mouse AC power cable Quick Start Guide Safety, warranty and product documents
Warranty	One-year limited hardware warranty <sup>5</sup>



## Microsoft Surface Keyboard Technical Specifications

Connection	Bluetooth <sup>®</sup> 4.0 / 4.1
Product dimensions	16.57 x 4.43 x .76 inches 14.79 ounces including 2 batteries <sup>6</sup>
Wireless range	Typically 50 feet (15 meters) in open air, up to 23 feet (7 meters) in office environment

Battery type and quantity	2 AAA alkaline batteries (included)
Battery life	Up to 12 months
Key Travel	Full-size, integrated backlit keyboard with 2mm key travel
Warranty	One-year limited hardware warranty <sup>5</sup>



## Microsoft Surface Mouse Technical Specifications

Connection	Bluetooth® 4.0 / 4.1
Product dimensions	4.53 x 2.52 x 1.32 inches 3.21 ounces including 2 AAA alkaline batteries <sup>6</sup>
Operating <sup>7</sup> systems	Windows 10 / 8.1 / 8 / Windows 10 phone Mac OS X 10.10.5 / 10.11.1 / 10.11.4 Android 4.4.2-5.0
Wireless range	50 feet (15 meters) in open air, up to 23 feet (7 meters) in office environment typical
Battery type and quantity	2 AAA alkaline batteries (included)
Battery life	Up to 12 months
Warranty	One-year limited hardware warranty <sup>5</sup>

Siemens NX™ is a trademark of Siemens Product Lifecycle Management Software Inc.; SOLIDWORKS®, Copyright 1997-2015 Dassault Systèmes SolidWorks Corporation.

<sup>1</sup> Average cross-section thickness across entire display

<sup>2</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>3</sup> Sold separately

<sup>4</sup> Windows Hello requires specialized biometric hardware.

<sup>5</sup> In the U.S.; warranty terms vary by market.

<sup>6</sup> Battery weight may vary.

<sup>7</sup> Device must support Bluetooth 4.0 or higher. [Microsoft.com/hardware/compatibility](http://Microsoft.com/hardware/compatibility)

**For more information, press only:**

Microsoft Media Relations, WE Communications, (425) 638-7777, [rrt@we-worldwide.com](mailto:rrt@we-worldwide.com)

**For more product information and images:**

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

**For more information about Surface:**

Visit Surface at <http://www.microsoft.com/surface>.