

Surface Laptop Studio

Fact Sheet
October 2021



Meet Surface Laptop Studio, the laptop that is incredibly powerful, infinitely flexible.

Set your imagination free on the most powerful Surface Laptop, designed to light up the best of Windows 11. Boundary-pushing design lets you flex your creative muscle on the sleek 14.4" touchscreen¹, making seamless transitions from laptop to the entertainment-ready stage to portable creative canvas, complete with built-in storage and charging for Surface Slim Pen 2* under the keyboard. Enjoy smooth gameplay, and draw, sketch and take notes like you would on paper on the bright, vibrant 120Hz display. Run intensive applications anywhere, enjoy all-day battery life, and get inspired with graphics power that exceeds your expectations. Elevate your entertainment with Quad Omnisonic™ speakers, featuring large bass and immersive Dolby Atmos®. Stay in the flow, be inspired, and get closer to what you love.

Top Features and Benefits

- **Built for performance.** Build apps, edit video, render animations and enjoy smooth gameplay on the most powerful Surface Laptop without breaking a sweat. Bring your big ideas to life with quad-core powered 11th Gen Intel® Core™ H Series processors and incredible graphics powered by blazing NVIDIA® GeForce RTX™ 3050 Ti laptop GPU.
- **Design and deliver the way you want.** Work, play, and create the way you want to. Make seamless transitions from powerful laptop, to perfectly-angled stage for entertainment, to creative canvas for drawing and sketching with always charged and ready Surface Slim Pen 2.* With digital pen, intuitive touch gestures, and voice typing, Surface Laptop Studio and Windows 11 enable you to express yourself in the ways most natural to you.
- **Every detail fuels inspiration.** Surface Laptop Studio is designed to inspire and entertain. See and do more on the bright, vibrant 14.4" touchscreen¹ with true-to-life color and refresh rate up to 120Hz. Draw, sketch and take notes like you would on paper with Surface Slim Pen 2.* Look and sound your best on video calls thanks to the 1080p

HD video camera and dual Studio Mics. Plus, enjoy pro-quality audio for music, movies, and gaming, powered by redesigned speakers and Dolby Atmos®.

- **Create without limits with Windows and Microsoft 365.** You have what you need for whatever's next with Surface Laptop Studio, Windows 11, and Microsoft 365. Stay connected and productive all day, in any mode, across all your apps with easy organization tools and more intuitive ways to navigate, and built-in Microsoft security.

Technical Specifications

Display	Screen: 14.4" ⁱ PixelSense™ Flow touch display Up to 120Hz Refresh Rate Resolution: 2400 x 1600 (201 PPI) Aspect ratio: 3:2 Contrast ratio: 1500:1 Touch: 10-point multi-touch Dolby Vision® support ⁱⁱ .
Processors	Quad-core Intel 11th Gen Intel Core H35 i5-11300H Quad-core Intel 11th Gen Intel Core H35 i7-11370H
Graphics	Intel 11th Gen Intel Core H35 i5-11300H models Intel® Iris® Xe Graphics Intel 11th Gen Intel Core H35 i7-11370H models NVIDIA® GeForce RTX™ 3050 Ti laptop GPU with 4GB GDDR6 GPU memory Commercial only: NVIDIA® RTX™ A2000 laptop GPU with 4GB GDDR6 GPU memory
Windows OS	Windows 11 Home, Windows 11 Pro, or Windows 10 Pro
Dimensions	12.7" x 9.0" x 0.7"
Weight	Intel® Core™ i5 models 3.83 lb (1742.9 grams) Intel® Core™ i7 models 4.00 lb (1820.2 grams)
Memory	16GB or 32GB LPDDR4x RAM
Storage ⁱⁱⁱ	Removable ^{iv} Solid-state drive (SSD) options: 256 GB, 512 GB, 1TB, 2TB SSD
Battery ^v	Intel® Core™ i5: Up to 19 hours of typical device usage Intel® Core™ i7: Up to 18 hours of typical device usage
Wireless	Wi-Fi 6: 802.11ax compatible Bluetooth Wireless 5.1 technology
Ports	2 x USB 4.0 with Thunderbolt™ 4 technologies support 3.5mm headphone jack 1 x Surface Connect port
Security	Consumer SKUs: Firmware TPM for enterprise-grade security Commercial SKUs: Hardware TPM 2.0 chip for enterprise security and BitLocker support Enterprise-grade protection with Windows Hello face sign-in Windows enhanced hardware security

Sensors	Accelerometer Gyroscope Magnetometer Ambient light sensor
Cameras	Windows Hello face authentication camera (front-facing) 1080p resolution front facing camera.
Audio	Dual far-field Studio Mics Quad Omnisonic™ speakers with Dolby Atmos®
Keyboard and Trackpad	Activation: Moving (mechanical) keys Layout: QWERTY, full row of function keys (F1-F12) Windows key and dedicated buttons for media controls, screen brightness Backlight Precision Haptic touchpad
Modes	Laptop mode: Stay productive with the full keyboard and new Precision Haptic touchpad that provides comfortable feedback as you navigate. Stage mode: Pull the display forward and place it at the perfect angle for watching videos, gaming, or presenting, thanks to our first-ever, flexible, and ultra-durable dynamic woven hinge. Studio mode: Draw, write, and sketch with Surface Slim Pen 2* on a portable digital canvas.
Hinge	Dynamic Woven Hinge for frictionless motion of the display
In the Box	Intel Core™ i5 65W Surface Power Supply w/USB-A (5W) charging port Quick Start Guide Safety and warranty documents
	Intel Core™ i7 102W Surface Power Supply w/USB-A (7W) charging port Quick Start Guide Safety and warranty documents

ⁱ Surface Laptop Studio display has rounded corners within a standard rectangle.

ⁱⁱ Required Dolby Vision® enabled content and video.

ⁱⁱⁱ US availability for Surface Laptop Studio 15": 2TB. Outside the US: 1TB. System software and updates use significant storage space. Available storage is subject to change based on system software and updates and apps usage. 1GB = 1 billion bytes. 1TB = 1,000GB. See [Surface Storage](#) for more details.

^{iv} This device does not contain user serviceable parts. Hard drive is only removable by an authorized technician following Microsoft provided instructions.

^v Battery life based on typical Surface device usage. Testing conducted by Microsoft in August 2021 using preproduction software and preproduction devices. Battery life varies significantly with settings, usage and other factors. See [surface.com](#).

*Sold separately.