



Technical Specifications

Dimensions	12.72" x 8.98" x 0.746" (323.28 mm x 228.32 mm x 18.94 mm)	Storage¹	Removable solid-state drive (SSD) ² options: 256 GB, 512 GB, 1TB, 2TB
Display	Screen: 14.4" ³ PixelSense™ Flow Display Refresh rate: up to 120Hz Resolution: 2400 x 1600 (201 PPI) Aspect ratio: 3:2 Contrast ratio: 1500:1 Touch: 10-point multi-touch Dolby Vision® support ⁴	Battery life	Intel® Core™ i5: Up to 19 hours of typical device usage ⁵ Intel® Core™ i7: Up to 18 hours of typical device usage ⁶
Memory	16GB or 32GB LPDDR4x RAM	Graphics	Intel® Core™ i5 models: Intel® Iris® Xe Graphics Intel® Core™ i7 models: NVIDIA® GeForce RTX™ 3050 Ti laptop GPU with 4GB GDDR6 GPU memory NVIDIA® RTX™ A2000 laptop GPU with 4GB GDDR6 GPU memory
Processor	Quad-Core 11th Gen Intel® Core™ H35 i5-11300H Processor Quad-Core 11th Gen Intel® Core™ H35 i7-11370H Processor	Connections	2 x USB 4.0 with Thunderbolt™ 4 technologies support 3.5mm headphone jack 1 x Surface Connect port
Accessories support	Integrated Surface Slim Pen* storage for charging Compatible with Surface Dial* off-screen interaction	Pen compatibility	Surface Laptop Studio supports Microsoft Pen Protocol (MPP) Surface Laptop Studio supports tactile Signals with Surface Slim Pen 2 ⁷
Security	Hardware TPM 2.0 chip for enterprise security and BitLocker support Enterprise-grade protection with Windows Hello face sign-in Windows enhanced hardware security	Cameras, video, and audio	Windows Hello face authentication camera (front-facing) 1080p resolution front facing camera. Dual far-field Studio Mics Quad Omnisonic™ speakers with Dolby Atmos® ⁸
Software	Windows 10 Pro or Windows 11 Pro ⁹ Preloaded Microsoft 365 Apps ¹⁰ Microsoft 365 Business Standard, Microsoft 365 Business Premium, or Microsoft 365 Apps 30-day trial ¹¹	Wireless	Wi-Fi 6: 802.11ax compatible Bluetooth Wireless 5.1 technology
Sensors	Ambient light sensor Accelerometer Gyroscope Magnetometer	Exterior	Casing: Magnesium and Aluminum Color: Platinum
What's in the box	Surface Laptop Studio for Business Intel® Core™ i5: 65W Surface Power Supply Intel® Core™ i7: 102W Surface Power Supply Quick Start Guide Safety and warranty documents	Warranty¹²	1-year limited hardware warranty
Weight	Intel® Core™ i5 models 3.83 lb (1742.9 grams) Intel® Core™ i7 models 4.00 lb (1820.2 grams)	Keyboard layout	Activation: Moving (mechanical) keys Layout: QWERTY, full row of function keys (F1-F12) Windows key and dedicated buttons for media controls, screen brightness
Hinge	Dynamic Woven Hinge made of woven fabric with embedded cables that can bend 180 degrees		

Disclaimer

* Sold separately. Software license required for some features.

¹System software and updates use significant storage space. Available storage is subject to change based on system software and updates and apps usage. 1 GB = 1 billion bytes. 1 TB = 1,000 GB. See [Surface Storage](#) for more detail

²This device does not contain user serviceable parts. Hard drive is only removable by an authorized technician following Microsoft provided instructions.

³Surface Laptop Studio display has rounded corners within a standard rectangle. When measured as a standard rectangular shape the screen is 14.36" diagonally (actual viewable area is less).

⁴Requires Dolby Vision® encoded content and video.

⁵Surface Laptop Studio i5 processor: Battery life varies significantly based on usage, network and feature configuration, signal strength, settings and other factors. See [aka.ms/SurfaceBatteryPerformance](#) for details. Surface Laptop Studio 14.4" 11th Gen Intel® Core™ i5 256GB SSD, 16 GB RAM, up to 19 hours of battery life based on typical Surface device usage. Battery life based on typical Surface device usage. Testing conducted by Microsoft in August 2021 using preproduction software and preproduction devices. Testing consisted of full battery discharge with a mixture of active use and modern standby. The active use portion consists of (1) a web browsing test accessing 8 popular websites over multiple open tabs, (2) a productivity test utilizing Microsoft Word, PowerPoint, Excel and Outlook, and (3) a portion of time with the device in use with idle applications. All settings were default except screen brightness was set to 150nits with Auto-Brightness disabled. Wi-Fi was connected to a network. Battery life varies significantly with settings, usage and other factors.

⁶Surface Laptop Studio i7 processor: Battery life varies significantly based on usage, network and feature configuration, signal strength, settings and other factors. See [aka.ms/SurfaceBatteryPerformance](#) for details. Surface Laptop Studio 14.4" 11th Gen Intel® Core™ i7 1TB SSD, 32GB RAM NVIDIA® GeForce RTX™ 3050 Ti laptop GPU, up to 18 hours of battery life based on typical Surface device usage. Battery life based on typical Surface device usage. Testing conducted by Microsoft in August 2021 using preproduction software and preproduction devices. Testing consisted of full battery discharge with a mixture of active use and modern standby. The active use portion consists of (1) a web browsing test accessing 8 popular websites over multiple open tabs, (2) a productivity test utilizing Microsoft Word, PowerPoint, Excel and Outlook, and (3) a portion of time with the device in use with idle applications. All settings were default except screen brightness was set to 150nits with Auto-Brightness disabled. Wi-Fi was connected to a network. Battery life varies significantly with settings, usage and other factors.

⁷Tactile signals with Surface Slim Pen 2 can be experienced on some applications on Surface Laptop Studio running Windows 11. Surface Slim Pen 2 sold separately.

⁸Requires Dolby Atmos® encoded content and audio.

⁹The following Surface Laptop Studio functionalities are only available with Windows 11: Wake on touch and Surface Slim Pen 2 haptic support, which are available in some apps. Experience might be limited without Windows 11 installed.

¹⁰Subscription required (sold separately).

¹¹Activation required. If your device is managed by your organization's IT department, contact your IT administrator for activation. 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/m365businesstrialinfo>.

¹²Microsoft's Limited Warranty is in addition to your consumer law rights.