

Surface Pro X

Fact Sheet
October 2021



Meet Surface Pro X, the totally mobile Pro.

Always with you, instantly ready, and designed to light up the best of Windows 11.¹ Keep up anywhere, at any angle, with a detachable Keyboard* with built-in Slim Pen storage and charging* — plus optional Gigabit LTE² and all-day battery life.

What's New?

- In addition to our Surface Pro X with Gigabit LTE we will be extending the Pro X line-up, we're introducing a Wi-Fi only option.
- New entry price point, starting at \$899
- Windows on ARM improvements: expanded native app support, now supports 64-bit emulation
 - **Instant productivity, endless entertainment.** Developers have been hard at work with more applications optimized for Windows on ARM than ever before including Adobe Photoshop, Adobe Lightroom, Shapr 3D, Zoom, Microsoft Office, and Microsoft Teams.
 - **64-bit version of Office on ARM devices.** This new version of Office is designed specifically for the next version of Windows on ARM. It has been recompiled for the ARM architecture to run fast, bring greater memory availability, offer better support for large documents, and maintain compatibility with existing 64-bit add-ins using the new x64 emulation capability provided by Windows.
 - **Windows 11 unlocks more experiences than ever.** Windows 11 on ARM supports both x86 and x64 emulation.¹

- **Console caliber gaming.** Play together and discover your next favorite game with friends. With Xbox Game Pass Ultimate, access over 100 high-quality games through Xbox.com/Play for one low monthly price.³
- **Award-winning shows and amazing apps.** The apps you need to work. The shows you love to watch. Find them fast with the redesigned Microsoft Store. Search for the show, game, movie—whatever you’re looking for can be found in one simple search bar.
- **For commercial customers, App Assure continues to provide support** for those customers transitioning to Windows on ARM. With more support for printer drivers and security software.

Top Features and Benefits

- **Work every angle.** From sketching or editing a paper to binge-watching your favorite show on the totally immersive, high-resolution 13” PixelSense™ touchscreen, the iconic built-in Kickstand effortlessly adjusts to the position you need, when you need it.
- **Windows 11 has what you need for whatever’s next.** Family, friends, obsessions, music, creations—Windows 11 is the one place for it all with a fresh new feel and tools that make it easier to be efficient.¹
- **Custom-built Microsoft processor delivers fast, 8-core performance.** We’ve taken the best of the mobile platform, including fast connectivity, long battery life, and ultra-quiet performance, and built it into your all-day, everyday device.
- **Don’t worry about competing for bandwidth.** Optional Gigabit LTE keeps you connected with blazing fast, reliable, and consistent speeds so you can keep streaming, chatting, or working without interruption almost anywhere.²
- **Stay connected in high definition.** Built-in 5.0MP front-facing camera with 1080p HD video is ready at any angle you need, and automatically adjusts to lighting conditions to more accurately reflect natural skin tones. Dual far-field Studio Mics and optimized speakers deliver the best video calling experience yet on Surface Pro.
- **Make a more personal connection with Eye Contact.** Powered by artificial intelligence and the onboard neural engine, Eye Contact helps to adjust your gaze on video calls so you appear to be looking directly in the camera.
- **Ready when creativity strikes.** Surface Slim Pen 2³ is there to help you capture every idea in the moment — stored securely and charged in the Signature Keyboard so you’ll never lose it.³

Technical Specifications

Operating System	Surface Pro X: Windows 11 Home on ARM Surface Pro X with LTE: Windows 10 Home on ARM ⁴ Surface Pro X for Business: Windows 11 Pro on ARM Surface Pro X with LTE for Business: Windows 11 Pro on ARM
Exterior	11.3 in x 8.2 in x 0.28 in (287 mm x 208 mm x 7.3 mm) Casing: Signature anodized aluminum with carbon composite fan less thermal cooling Colors: Platinum, Matte Black (only available on select configurations) ⁵

Physical buttons: Volume, Power
Weight⁶ (not including keyboard): 1.7 lbs (774 g)

Display	Screen: 13" PixelSense™ Display (sRGB + Enhanced Color Profiles) Resolution: 2880 x 1920 (267 PPI) Aspect ratio: 3:2 Touch: 10-point multitouch
CPU	Microsoft SQ®1 Microsoft SQ® 2
Graphics	Microsoft SQ® 1 Adreno™ 685 GPU Microsoft SQ® 2 Adreno™ 690 GPU
Memory	8GB or 16GB LPDDR4x RAM
Storage	Removable solid-state drive (SSD) options: 128, 256, or 512GB
Security	Firmware TPM chip for enterprise-grade security and BitLocker support Enterprise-grade protection with Windows Hello face sign-in
Network	Wi-Fi 5: 802.11ac compatible Bluetooth Wireless 5.0 technology LTE only: Qualcomm® Snapdragon™ X24 LTE modem Up to Gigabit LTE Advanced Pro4 with nanoSIM and eSIM support. LTE Bands supported: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 46, 66 Assisted GPS and GLONASS support
Battery	Up to 15 hours of typical device usage ⁷
Cameras	Windows Hello face authentication camera (front-facing) 5.0MP front-facing camera with 1080p full HD video 10.0MP rear-facing autofocus camera with 1080p HD and 4k video
Audio	Dual far-field Studio Mics 2W stereo speakers with Dolby® Audio™
Ports	2 x USB-C® 3.2 Gen 2 1 x Surface Connect port Surface Keyboard connector port 1 x nano SIM (LTE only) Compatible with Surface Dial off-screen interaction*

Sensors	Accelerometer Gyroscope Magnetometer Ambient light sensor
Power Supply	60W power supply with additional 5W USB A charging Port
In the Box	Surface Pro X Power supply SIM card access tool (LTE only) Quick Start Guide Safety and warranty documents
Surface Pen ³	4,096 levels of pressure Tilt sensing Best-in-class latency 0.1mm precision
Keyboard Compatibility ³	Surface Pro Signature Keyboard, Surface Pro Keyboard (formerly known as Surface Pro X Signature Keyboard and Surface Pro X Keyboard)
Warranty ⁸	1-year limited hardware warranty

¹ Surface Pro X with LTE for consumers comes with Windows 10 Home on ARM. Surface Pro X running Windows 10 on ARM does not run x64 software. Free upgrade to Windows 11 when available. Windows 11 on ARM supports x86 and x64 software. At this time, Surface Pro X with Windows 11 will not install some games, and some third-party drivers or anti-virus software. Find out more in [the FAQ](#). Upgrade rollout plan is being finalized and is scheduled to begin late in 2021 and continue into 2022. Specific timing will vary by device. Certain features require specific hardware, see <https://www.microsoft.com/windows/windows-11-specifications>

² Service availability and performance subject to service provider's network. Contact your service provider for details, compatibility, pricing, SIM card, and activation. See all specs and frequencies at surface.com.

³ Some software, apps, and accessories sold separately. Surface Pro Keyboard and Surface Pro Signature Keyboard are sold separately. Only Surface Pro Signature Keyboard has Surface Slim Pen 2 storage and charging capabilities. App availability and compatibility may vary.

⁴ At this time, Surface Pro X will not install 64-bit applications that have not been ported to ARM64, some games and CAD software, and some third-party drivers or anti-virus software. New 64-bit apps are coming to ARM 64 all the time, read [here](#) for more information on Surface Pro X application compatibility

⁵ Available colors may vary by market.

⁶ Weight not including Surface Pro X Keyboard or Surface Pro X Signature Keyboard.

⁷ Battery life varies significantly based on usage, network and feature configuration, signal strength, settings and other factors. See aka.ms/SurfaceBatteryPerformance for details.

⁸ Microsoft's Limited Warranty is in addition to your consumer law rights.

*Sold separately.