Surface Pro X

Fact Sheet

October 2020

Meet the future of always-connected productivity.
Wherever life leads you, be ready for anything with Surface Pro X. With blazing-fast Gigabit LTE connectivity,[1] our thinnest Surface Pro features two USB-C® ports and a stunning, virtually edge-to-edge 13" touchscreen, plus choice of a new platinum finish and keyboard colors.[2]

What's new?

- Surface Pro X introduces the Microsoft SQ®2, the second generation of our custom chip on our premium configurations, building on the innovation of the Microsoft SQ® 1, delivering even more multi-tasking power for true connected productivity.
- Surface Pro X is now available in a new Platinum finish in addition to Matte Black, and Surface Pro X Keyboards are now available in three new colors[2]: Ice Blue, Poppy Red, and Platinum, in addition to Black.
- In addition to refreshing our top-end SKUs, additional software improvements will benefit all customers of Surface Pro X:
  - Increased battery life that now delivers up to 15 hours of typical usage.[3]
  - Increasing number of key app partners are embracing Windows on ARM and taking advantage of the power and performance benefits of Microsoft SQ® 1 and Microsoft SQ® 2 and bringing new experiences for all Surface Pro X customers – current and new, including new Microsoft 365 applications[4] optimized for Windows on ARM such as Microsoft Edge and Microsoft Teams which provides improved performance and reliability.

- For developers, Visual Studio Code[4] has updated and optimized for Windows on ARM. The new VS Code, paired with WSL2 and the Windows Terminal make Surface Pro X the ideal modern dev box.

Top Features and Benefits

- **All screen.** Ultra-thin bezels deliver an almost edge-to-edge 13" brilliant PixelSense™ display that brings your work to life on our thinnest Surface Pro.
- **Always Connected.** Connect nearly anywhere with friends, family and colleagues over built-in HD webcams backed by Studio Mics, Dolby® Audio™, and blazing-fast Gigabit LTE.[1] 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 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.[4]
- **Built for how you live and work.** If you live and work in the cloud, Surface Pro X was designed for you, with blazing-fast speed, support, and choice of Microsoft SQ® 1 and Microsoft SQ® 2 processors. The custom processors powered by Qualcomm combine the connectivity you love on your smartphone with the power of Windows, keeping you connected wherever you go so you never miss a beat. Stay up and running with all-day battery life up, now with up to 15 hours across both configurations,[3] and the ability to recharge fast – about 80% in just under an hour.[3]

Technical Specifications

Operating System	Windows 10 Home on ARM[5] (Consumer) Microsoft 365 Family 30-day trial
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: Matte Black, Platinum[2] Physical buttons: Volume, Power Weight[6] (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)[7] options: 128, 256, or 512GB

Security	Firmware TPM chip for enterprise 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 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[3]
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 Compatible with Surface Dial off-screen interaction[4]
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 Quick Start Guide Safety and warranty documents
Surface Pen[4]	4,096 levels of pressure Tilt sensing Best-in-class latency 0.1mm precision
Warranty[8]	1-year limited hardware warranty
Best-in-class support from Microsoft Store	Microsoft Store Promise for Surface: 60-day return policy

90 days of free technical phone support
Free virtual workshops and training
Surface price promise

Contact Information

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For more product information and images:
Visit the Surface Newsroom at https://news.microsoft.com/presskits/surface/.

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[1] 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.

[2] Available colors may vary by market.

[3] Up to 15 hours of battery life based on typical Surface device usage. Testing conducted by Microsoft in September 2020 (Surface Pro X with Microsoft SQ® 1 and Surface Pro X with Microsoft SQ® 2) using preproduction software and preproduction configurations of Surface Pro X. 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. Tested with Windows Version 10.0.19041.1(20H1) and Edge version 85.0.564.51. 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.

[4] Some software, apps, and accessories sold separately. App availability and compatibility may vary.

[5] 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

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

[7] Hard drive is not user removable. Hard drive is only removable by skilled technician following Microsoft provided instructions.

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