

# Surface Pro 8

Fact Sheet  
October 2021



Meet Surface Pro 8, designed for a Pro like you.

Unlock more possibilities than ever with Surface Pro 8. Designed to light up the best of Windows 11, Surface Pro 8 combines the power of a laptop with the flexibility of a tablet, and every angle in between, with the iconic Kickstand and detachable Keyboard\* with built-in Slim Pen storage and charging.<sup>1</sup> Do **great things with a larger 13" touchscreen, faster connections with Thunderbolt™ 4 ports, and extra speed** when you need it.

## Top Features and Benefits

- Our most powerful Pro ever. Surface Pro 8 is over 2 times faster than Surface Pro 7. Delivering over 40% higher sustained CPU performance and 74% faster graphics sustained performance, **Surface Pro 8 will handle it all...**
- **Extend the ultimate desktop experience with Thunderbolt™ 4 ports.** Create your ultimate productivity setup with multiple 4K monitors, keep large creative files on hand with an external hard drive, or create a dream gaming setup with an external GPU.<sup>2</sup>
- Our most advanced display in a Pro. 11% larger, 10.8% higher resolution, 12.5% brighter, individually calibrated and virtually edge-to-edge, immerse yourself in the high-**resolution 13" PixelSense™ Flow touch display.** Now with up to 120Hz refresh rate (60hz default) for an even smoother pen experience and more responsive touch.
- Video calls come to life in HD. Full HD cameras with improved low-light performance and consistent brightness across different lighting conditions, Studio Mics, and optimized speakers for crystal-clear sound deliver an even better video calling experience. Capture and share that

precious moment, or effortlessly scan and sign a contract with the HD rear-facing camera with support for 4K video.

- The most advanced digital pen experience on a Pro. Unlock new experiences with Surface Slim Pen 2.<sup>2</sup> Tactile signals is a new digital pen experience that uses the built-in haptic motor in Surface Slim Pen 2 to give you the same feeling you get with pen on paper when notetaking and drawing. Surface Pro 8 with Surface Pen 2 has greater precision and lower latency when inking compared to Surface Slim Pen. Always charged, ready, and securely stored in Surface Pro Signature Keyboard,<sup>2</sup> take notes, sketch, and navigate in real time, any time.

## Technical Specifications

Operating system	Surface Pro 8: Windows 11 Home Surface Pro 8 for Business: Windows 10 Pro or Windows 11 Pro
	Dimensions: 11.3" x 8.2" x 0.37" Weight: 1.96 lbs (891g)
Exterior	Mechanical features: anodized aluminum body, kickstand with full-friction multi-position hinge to 165 degrees, magnetic attach for keyboard fold stability  Colors: Platinum, Graphite
Display	<b>Screen: 13" PixelSense™ Flow Display</b> Resolution: 2880 x 1920 (267 PPI) Up to 120Hz Refresh Rate (60Hz default) Aspect ratio: 3:2 Touch: 10-point multi-touch GPU Ink Acceleration
CPU	Consumer: Quad-core 11th Gen Intel® Core™ i5-1135G7 Processor Quad-core 11th Gen Intel® Core™ i7-1185G7 Processor Designed on the Intel® Evo™ platform  Commercial: Dual-core 11th Gen Intel® Core™ i3-1115G4 Processor (Wi-Fi) Quad-core 11th Gen Intel® Core™ i5-1145G7 Processor (Wi-Fi or LTE <sup>3</sup> ) Quad-core 11th Gen Intel® Core™ i7-1185G7 Processor (Wi-Fi or LTE <sup>3</sup> ) Designed on the Intel® Evo™ platform (i5 and i7 processors only)
Graphics	Intel® UHD Graphics (i3) Intel® Iris® Xe Graphics (i5, i7)
Memory	8GB/16GB/32GB LPDDR4x RAM
Storage	Removable solid-state drive (SSD) options: 128GB or 256GB (Wi-Fi or LTE <sup>3</sup> ) SSD: 512GB or 1TB (Wi-Fi only)

Security	TPM 2.0 chip for enterprise-grade security Enterprise-grade protection with Windows Hello face sign-in
Network	Wi-Fi 6: 802.11ax compatible Bluetooth Wireless 5.1 technology  LTE <sup>3</sup> : LTE Advanced5 with removable SIM and eSIM support <b>Qualcomm® Snapdragon™ X20 LTE Modem</b> LTE bands supported: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 66
Battery	Up to 16 hours of battery life <sup>4</sup> Charge your Surface Pro 8 to 80% in just over an hour <sup>5</sup>
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 Atmos® <sup>6</sup> Dolby Vision® support <sup>6</sup>
Ports	2 x USB-C® with USB 4.0/Thunderbolt™ 4 3.5mm headphone jack 1 x Surface Connect port Surface Type Cover port Compatible with Surface Dial off-screen interaction <sup>2</sup>
Sensors	Accelerometer Gyroscope Magnetometer Ambient Color Sensor (brightness and color)
Software	Windows 11 Home Preloaded Microsoft 365 Apps <sup>7</sup> Microsoft 365 Family 30-day trial <sup>58</sup> Preloaded Xbox App Xbox Game Pass Ultimate one month trial <sup>9</sup>
Power Supply	60W power supply with additional 5W USB A charging Port
In the Box	Surface Pro 8 Power Supply Quick Start Guide Safety and warranty documents
Surface Slim Pen 2 <sup>2</sup>	4,096 pressure levels Zero force inking <sup>10</sup> Tactile signals with Surface Pro 8 <sup>11</sup> and Surface Laptop Studio <sup>9</sup> on Windows 11 Rechargeable Lithium-Ion Battery

Wireless Charging and Storage on Surface Pro Signature Keyboard  
Up to 15 hours of typical usage<sup>12</sup>

Keyboard Compatibility	Surface Pro Signature Keyboard
Warranty <sup>13</sup>	1-year limited hardware warranty

## Contact Information

For more information, press only:

Rapid Response Team, 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 <https://news.microsoft.com/presskits/surface/>.

For more information about Surface:

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

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<sup>1</sup> Pen storage and charging available on select Keyboards.

<sup>2</sup> Some accessories and software sold separately. Surface Slim Pen 2 sold separately. Surface Pro Signature Keyboard are sold separately. Only Surface Pro Signature Keyboard has Surface Slim Pen 2 storage and charging capabilities.

<sup>3</sup> Surface Pro 8 with LTE Advanced is coming in 2022. Visit Surface.com for updates on availability in your market. Availability may vary by market and configuration. **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.

<sup>4</sup> Up to 16 hours of battery life based on typical Surface device usage. Testing conducted by Microsoft in August 2021 using **preproduction software and preproduction Intel® 11th Gen Core™ i5-1135G7, 256GB, 8GB RAM device.** 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 and Adaptive Color disabled. Wi-Fi was connected to a network. Tested with Windows Version 11.0.22000.9 (21H2). Battery life varies significantly with settings, usage and other factors.

<sup>5</sup> Testing conducted at Microsoft in August 2021 using pre-production devices and Software. Tested with the inbox 24W PSU under controlled conditions. Device was powered on to desktop screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23C.

<sup>6</sup> Requires Dolby Atmos® encoded content and audio.

<sup>7</sup> Subscription required (sold separately).

<sup>8</sup> Activation required.

<sup>9</sup> Activation required for Game Pass Ultimate.

<sup>10</sup> Zero force inking will only be work when Surface Slim Pen 2 is used with Surface Pro 8, Surface Pro X, Surface Laptop Studio, and Surface Duo 2. Additional compatibility details can be found at [aka.ms/SurfaceSlimPenCompatibility](https://aka.ms/SurfaceSlimPenCompatibility)

<sup>11</sup> Chargers, software, accessories, and devices sold separately. Availability may vary by market.

<sup>12</sup> Battery life varies significantly based on usage, network and feature configuration, signal strength, settings and other factors. See [aka.ms/SurfaceBatteryPerformance](https://aka.ms/SurfaceBatteryPerformance) for details.

<sup>13</sup> Microsoft's Limited Warranty is in addition to your consumer law rights.