

Surface Duo 2

Fact Sheet
October 2021



Meet the new Surface Duo 2 – Two screens, limitless possibilities

Open two screens and discover limitless possibilities. Now with lightning-fast 5Gⁱ connections, a dynamic triple lens camera to capture, edit, and share memorable moments, and optimized stereo audio in every mode — plus new, dual-screen experiences for Microsoft 365, gaming, streaming entertainment and every Android™ app in the Google Play store* — all on two brighter, larger, impossibly thin PixelSense™ Fusion Displays and running on Qualcomm® Snapdragon® 888 5G Mobile Platform. Starting at \$1499, Surface Duo 2 opens into the thinnest 5G mobile device on the market with an 8.3" PixelSense Fusion display connected by a revolutionary hinge, allowing you to use each 5.8" display individually or together, across a variety of modes.

Top Features and Benefits

- **Do more with two screens.** Discover next-level multitasking that never leaves your side – apps, websites, photos and Microsoft 365 – in a more immersive way. Say goodbye to constant app switching on your mobile device. Run any two apps side by side, drag and drop between screens in supported apps, create your personalized combo with App Groups, and take your note-taking & sketching to the next level wherever you are across two screens. Category leading enhanced apps like TikTok, Kindle, and Spotify, light up new experiences across dual-screens.
- **Do it all fast with 5G.** Connect, collaborate and respond in real time across two screens with Microsoft 365 productivity apps, together with intelligent cloud services powered by 5G. With Xbox Game Pass Ultimate and an on-screen controller that's always with you, immerse yourself in epic interactive stories and connect with friends anywhere. Or for the first time, experience

Gameloft Asphalt 9 enhanced for two-screen play. Unwind with a favorite TV show, sporting event, or movie streamed in ultra-fast 5G.

- **A camera built for your creativity.** Transform everyday moments into extraordinary memories. With the new, dynamic triple lens camera always close at hand, instantly capture vibrant, high-quality photos and 4K video of memories in the making across two screens. Choose from wide angle, telephoto, or ultra-wide while viewing, editing and effortlessly delivering them across your devices. With the new dynamic triple lens camera, enjoy high resolution, exceptional low-light performance, and bigger depth of field. Review what you have captured real time on two screens with a completely redesigned photo experience backed up by OneDrive, making your photography accessible across your devices.
- **Ultra-thin, flexible, and designed to inspire.** Incredibly thin at 5.5mm when open, two beautiful, high-resolution 5.8" touchscreens open to 8.3", and are more durable than ever before. You'll be amazed by what you can see with more pixels and brighter screens. From Book mode to Compose and Tent modes, Surface Duo 2 seamlessly adapts to you, with its Revolutionary Hinge. Select from our signature Glacier, or new Obsidian black finish. Either way, the Surface Duo 2 Glance Bar will light up with color indicators to show volume, charging, and select icons and notification to keep you in the know, even when it's closed.

Technical Specifications

Dimensions	Open: 145.2 mm (H) x 184.5 mm (W) x 5.5 mm (T) Closed: 145.2 mm (H) x 92.1 mm (W) x 11.0 mm (T at hinge)	Weight ⁱⁱ	284 grams
Display	<ul style="list-style-type: none"> • Dual PixelSense™ Fusion Displays open: 8.3" AMOLED, 2688x1892 • Single PixelSense™ Screen: 5.8" AMOLED 1344x1892 • 401 PPI • HDR • Wide color 100% SRGB, DCI-P3 • Dual displays with 90Hz adaptive refresh rate • 800 nits max brightness • Display Material: Corning® Gorilla® Glass Victus™ 	Battery life	All Day Battery Life ⁱⁱⁱ Up to 15.5 hours of Local Video Playback ^{iv} Up to 28 hours of Talk Time ^v
Battery Capacity Error! Bookmark not defined.	4449mAh (typical) dual battery	Battery Charging	Fast Charging available using the Microsoft Surface 23W USB-C Power Supply (sold separately)

<p>Camera & Video Recording</p>	<p>Dynamic triple lens rear-facing camera:</p> <ul style="list-style-type: none"> • Wide: 12MP, f/1.7 aperture, 27mm, 1.4µm, dual pixel PDAF and OIS • Telephoto: 12MP, f/2.4 aperture, 51mm, 1.0µm, PDAF, OIS and 2X optical zoom in • Ultra-Wide: 16MP, f/2.2 aperture, 13mm, 1.0µm, 110° diagonal field of view with distortion correction <p>Front-facing Camera:</p> <ul style="list-style-type: none"> • 12MP, f/2.0 aperture, 24mm, 1.0µm <p>Flash: Dual led - dual color flash</p> <p>Photos:</p> <ul style="list-style-type: none"> • Auto mode with low-light & HDR multi-frame photo capture and dynamic range scene detection. • Dedicated night photography mode. • Smooth Zoom between all 3 Rear Facing Camera combined with digital super zoom up to 10x. • Portrait mode with adjustable depth control. Portrait mode supported for wide and tele camera. Machine learning used for portrait mode. • Panorama mode with wide dynamic range. • Capture short video during photo capture with long press. 	<p>Video Conferencing</p>	<p>Microsoft Teams and Skype video conferencing up to 1080p at 30fps</p>
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	<ul style="list-style-type: none"> • Capture photos during video recording. <p>Video Recording:</p> <ul style="list-style-type: none"> • HDR Video • 4K video recording at 30 fps and 60 fps • 1080p video recording at 30 fps and 60 fps • Slow motion video at 120 or 240fps • HEVC H.265 and AVC H.264 video recording formats 		
<p>Network & Connectivity</p>	<p>WiFi: Wi-Fi-6 802.11ax (2.4/5GHz) Bluetooth: Bluetooth® 5.1 NFC for payments and provisioning</p> <p><i>US Only:</i> 5G-NR NSA (mmWave): Release 15 DL 64 QAM up to 6 Gbps, 8xDL CA (800MHz), 2x2 MIMO 5G-NR NSA (mmWave): Release 15 UL 64 QAM, 2xUL CA (200MHz), 2x2 MIMO 5G-NR NSA (mmWave) Bands: n257, n260, n261</p> <p><i>ROW only + US:</i> 5G-NR NSA (Sub-6): Release 15 DL 256 QAM up to 3.2 Gbps, 2xDL CA (TDD+TDD), 4x4 MIMO 5G-NR NSA (Sub-6): Release 15 UL 256 QAM 5G-NR NSA (Sub-6) Bands: n1, n2, n3, n5, n7, n20, n25, n28, n38, n41, n66, n71, n77, n78, n79</p> <p>Gigabit LTE - A Pro Release 15 with 4x4 MIMO and LAA LTE DL Cat 20, 256 QAM up to 2Gbps, 5xDL CA LTE UL Cat 13, 64 QAM Contiguous 2X ULCA LTE Bands: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 42, 46, 48, 66, 71</p>	<p>Countries & Carrier Compatibility^{vi}</p>	<p>Unlocked device for all carriers</p> <p>Australia Canada France Germany United Kingdom U.S.</p>

	<p>WCDMA: 1,2,5,8 WCDMA: 1,2,5,8</p> <p>GSM/GPRS: GSM-850, E-GSM-900, DCS-1800, PCS-1900</p> <p>Location: GPS, Galileo, GLONASS, BeiDou, QZSS</p>		
Processor	Qualcomm® Snapdragon™ 888 5G Mobile Platform	SIM	One eSIM ^{vii} and one Nano SIM Unlocked for all carriers
Storage ^{viii} & Memory	128GB, 256GB, 512GB 8GB DRAM LPDDR5 memory	Connections	USB-C® 3.2 Gen 2
Software ^{ix}	<p>Microsoft built-in applications:</p> <ul style="list-style-type: none"> • Intune Company Portal • LinkedIn • Microsoft Authenticator • Microsoft Bing Searchnl • Microsoft Edge • Microsoft Lens - PDF Scanner • Microsoft Office: Word, Excel, PowerPoint & More • Microsoft OneDrive • Microsoft OneNote • Microsoft Outlook • Microsoft Start • Microsoft Teams • Microsoft To Do • Surface • Tips • Xbox Game Pass <p>Microsoft Surface Duo 2 UI core features:</p> <ul style="list-style-type: none"> • App Groups • Dual screen windowing • Dynamic Dock • Dynamic Triple-Lens Camera • Microsoft 365 Feed • Span apps automatically • Surface Dup 2 Glance Bar • SwiftKey Adaptive Keyboard • Universal Search 	Audio	<p>Stereo speaker, Dual Mic AI-based noise suppression and acoustic echo cancellation optimized for productive use in all postures</p> <p>Best-in -class Full Duplex communication for voice calls in hands free mode, receiver and LRA</p> <p>Audio formats supported: 3GP, MP3, MP4, MKV, WAV, OGG, M4A, AAC, TS, AMR, FLAC, MID, MIDI, RTTL, RTX, OTA, IMY Qualcomm® aptX™ Classic, HD and TWS</p> <p>Hearing aid compatibility: M4/T3</p> <p>Wake on Voice using Google Assistant</p>

	<ul style="list-style-type: none"> Your Phone Companion - Link to Windows <p>Other preinstalled apps:</p> <ul style="list-style-type: none"> Calculator Chrome Clock Contacts Files Gmail Google Assistant Google Calendar Google Drive Google Duo Google Maps Google Photos Google Play Movies & TV Google Play Store Google Search Messages Phone Sound recorder YouTube YouTube Music <p>Operating System: Android™ 11</p>		
<p>Video Playback</p>	<p>Video Playback Formats:</p> <ul style="list-style-type: none"> MKV, MOV, MP4, H.265(HEVC), AVI, WMV, TS, 3GP, FLV, 3G2, AVI, FLV, TS/M2TS, MKV, WEBM, 3GP/MPEG-4, HEIC/HEIF, ASF/WMV, MOV <p>Wireless*:</p> <ul style="list-style-type: none"> Chromecast and Miracast support <p>Wired:</p> <ul style="list-style-type: none"> DisplayPort over USB-C®. Supports video out when connecting via HDMI Adapter^{xi} 4K video out over USB-C when connecting via DisplayPort cable or HDMI Adaptor to external monitor 	<p>Sensors</p>	<ul style="list-style-type: none"> Dual Accelerometer Dual Gyroscope Dual Magnetometer Dual Ambient Light Sensor Dual Proximity Sensor Hall Sensor Fingerprint Sensor

Security & Authentication	<p>Biometric lock type: Fingerprint reader with enterprise grade security</p> <p>Lock type: Swipe, PIN, password</p> <p>Security applications pre-loaded on device: Microsoft Authenticator</p>	Exterior	<p>Exterior Material: Corning® Gorilla® Glass</p> <p>Color: Glacier, Obsidian</p>
Accessibility	Android Accessibility Suite, including screen readers, display adjustments, interaction controls, audio & on-screen text	Language support	<p>Danish</p> <p>Dutch</p> <p>English (Australia)</p> <p>English (Canada)</p> <p>English (UK)</p> <p>English (US)</p> <p>Finnish</p> <p>French (Canada)</p> <p>French (France)</p> <p>German</p> <p>Italian</p> <p>Japanese</p> <p>Norwegian</p> <p>Polish</p> <p>Spanish (Spain)</p> <p>Spanish (US)</p> <p>Swedish</p>
What's in the Box	<p>Surface Duo 2 (Color: Glacier or Obsidian)</p> <p>Surface Duo 2 USB-C® cable</p> <p>Quick Start Guide</p> <p>Warranty and Compliance Guide</p> <p>SIM Ejector tool</p> <p>[ONLY UK, France, Germany, Austria, Belgium, Denmark, Finland, Ireland, Italy, Netherlands, Spain, Sweden, Switzerland] USB-C® Earbuds</p>	Pen & Inking	<p>Supports all in-market generations of Surface Slim Pen, Surface Pen, and Surface Hub 2 Pen*</p> <p>Simultaneous Pen and touch are supported</p> <p>Supports Microsoft Surface Duo 2 Pen Cover*</p>
Warranty	1-year limited hardware warranty		

Your device contains magnets, which may damage objects such as credit cards, passbooks, access cards, boarding

passes, or parking passes. Please keep a safe distance between your device and objects that Your device contains magnets, which may damage objects such as credit cards, passbooks, access cards, boarding passes, or parking passes. Please keep a safe distance between your device and objects that are affected by magnets. Please review [on-device safety app] and <https://support.microsoft.com/en-us/help/4558037/product-safety-warnings-and-instructions> for important safety information about your device.

Contact Information

For more information, press only:

Microsoft Media Relations, WE Communications, (425) 638-7777, rrt@we-worldwide.com

For more product information and images:

Visit the Surface Newsroom at <http://www.microsoft.com/en-us/news/presskits/surface>.

For more information about Surface:

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

ⁱ 5G not available in all areas; compatibility and performance depends on carrier network, plan and other factors. See carrier for details and pricing.

ⁱⁱ Excluding Surface Duo 2 bumper

ⁱⁱⁱ Testing conducted by Microsoft in September 2021 using preproduction Surface Duo 2 units and software over Wi-Fi with cellular associated to a network. Testing consisted of full battery discharge during active use scenarios and a power drain measurement in Suspend. The active use scenarios excluded cell calls and included both single screen and dual screen scenarios, consisting of (1) a web browsing test accessing 8 popular websites over multiple open tabs, (2) productivity tests utilizing Microsoft Teams audio and video calls and Microsoft Word, PowerPoint, Excel and Outlook, (3) sending and receiving SMS text messages, and (4) streaming a video through the YouTube app. All settings were default except Adaptive Brightness was disabled, and screen was set to 150nits. Battery life varies significantly with network and feature configuration, signal strength, settings, usage and other factors. Battery has limited reo cycles and cannot be replaced.

^{iv} Testing conducted by Microsoft in September 2021 using preproduction Surface Duo 2 units and software. Testing consisted of full battery discharge during local video playback on a single screen. Video playback consisted of a repeated 30-minute .mp4 file in 1080p at 24 fps. Device was connected to a cellular network and Wi-Fi was associated with a network. All settings were default except: Wi-Fi 'ask to join' and Adaptive Brightness were disabled, and screen was set to 100 nits. Battery life varies significantly with network and feature configuration, signal strength, settings, usage, and other factors. Battery has limited recharge cycles and cannot be replaced.

^v Testing conducted by Microsoft in September 2021 using preproduction Surface Duo 2 units and software. All settings were default, and device was connected to a cellular network and Wi-Fi was enabled but not connected. Battery life varies significantly with network and feature configuration, signal strength, settings, usage and other factors. Battery has limited recharge cycles and cannot be replaced.

^{vi} Network availability and coverage vary by carrier. See your carrier for details.

^{vii} Use of eSIM requires a wireless service plan (which may include restrictions on switching service providers and roaming, even after contract expiration). Not all carriers support eSIM. AT&T locked devices will not support eSIM. Use of eSIM in Surface Duo 2 may be disabled when purchased from some carriers. See your carrier for details.

^{viii} System software uses storage space. Available storage is subject to change based on system software updates and apps usage. 1 GB = 1 billion bytes. See Surface.com/Storage for more details.

^{ix} Some apps and features may require a wireless plan, additional subscriptions, or fees.

^xWireless dependent on the TV/monitor support

^{xi} Video playback formats may require 3rd party apps from the Google Play Store; fees may apply