Pixel

Google Pixel 6

Performance, safety, and security for businesses

Pixel's significant redesign combines superior technology with no-stress security features powered by the Google Tensor processor to boost workforce productivity and help protect sensitive data – it's one of the smartest and fastest Pixel phones yet.[1]



Premium performance

Next-gen tech, next-gen experience
The custom-built Google Tensor system on a chip uses artificial intelligence and machine learning to provide better experiences for Pixel users, and its 8 GB of RAM ensures maximum productivity.

More power when you need it
Charge up to 50 percent in around 30 minutes[2] with the 4614 mAh[3] battery, compatible with the wireless Pixel Stand and the 30W USB-C® Charger (sold separately).

Collaboration without borders
Live Translate[4] quickly sends secure, private text or video messages in up to 55 languages.[5] Translate with no apps or internet required.[6]

Productivity on a single charge
Pixel 6's Adaptive Battery and Extreme Battery Saver help your phone last up to 48 hours[7], even on 5G[8], by turning off features that you are not using, pausing apps and slowing processing for more time between charges.

Off-grid ease of use
Google's first-ever mobile Tensor Processing Unit in the phone sharpens images and videos and effortlessly translates speech into text, without connecting to the Internet.[6]

Secure collaboration

Next-level threat protection
Pixel 6 comes with Titan M2™, an enterprise-grade security chip, and Google Tensor, the first processor with a built-in Tensor security core, making your phone even more resilient to attacks.[9]

Seamless security updates
Pixel 6 downloads and runs the latest Android security features and updates for at least five years[10], meaning that phones stay protected and secure against ever-evolving threats.

Privacy your way
Security hub uses built-in security features like an intuitive camera and mic toggles to protect your phone[11], Google Account, apps and passwords. It not only stores all your privacy settings in one place, it also recommends simple steps for strengthening device security.

Multi-faceted device fortification
With features like IP68 dust and water resistance[12], the Pixel 6 device is durable for wherever your work takes you.

More information https://pixel.google/business/

Pixel

Technical Specifications

Display and dimensions[13]

- Full-screen 6.4" (163 mm)[14] display, 20:9 aspect ratio, FHD+ (1080 x 2340) OLED at 411 ppi
- Smooth Display (up to 120 Hz[15]) Corning® Gorilla® Glass Victus™ cover glass
- Always-on display with At a Glance and Now Playing
- High brightness mode, >1,000,000:1 contrast ratio
- HDR support, full 24-bit depth for 16 million colours
- 6.2 height x 2.9 width x 0.4 depth (inches), 158.6 height x 74.8 width x 8.9 depth (mm), weight 7.30 oz / 207 g

Battery and charging

- Beyond 24 hour battery life[16]
- Up to 48 hour battery life with Extreme Battery Saver[16]
- Minimum 4524 mAh, typical 4614 mAh[17]
- Fast charging[18] – up to 50% charge in about 30 minutes[18] – with Google 30 W USB-C® Charger with USB-PD 3.0 (PPS); sold separately
- Qi-certified, fast, wireless charging[19]
- Battery Share[20]

Security and authentication

- End-to-end security designed by Google
- Multilayer hardware security: security core, Titan M2™ security coprocessor and Trusty (Trusted Execution Environment)
- Minimum five years of security updates[10]
- Anti-phishing and anti-malware protection
- Automatic security checks and privacy controls with Security hub
- Camera and mic toggles
- Private Compute Core
- Android System Intelligence
- Android Messages end-to-end encryption and Android backup encryption
- Fingerprint Unlock with under-display fingerprint sensor
- Pattern, PIN, password

Learn more at g.co/pixel/security and g.co/pixel/certifications

Camera

- Front camera: 8 MP, 1.12 µm pixel width, ƒ/2.0 aperture, fixed focus, 84° wide field of view
- Rear cameras:
  - 50 MP Octa PD Quad Bayer wide camera, 1.2 µm pixel width, ƒ/1.85 aperture, 82° field of view, 1/1.31" image sensor size, Super Res Zoom up to 7x[22]
  - 12 MP ultrawide camera[23], 1.25 µm pixel width, ƒ/2.2 aperture, 114° field of view[23], lens correction
- LDAF (laser detect auto-focus) sensor
- Optical + electronic image stabilisation
- Spectral and flicker sensor
- Fast camera launcher

Camera features: Magic Eraser[24], Motion Mode, Real Tone, Face Unblur, Panorama, Manual white balancing, Locked folder, Night Sight, Top Shot, Portrait mode, Portrait Light, Super Res Zoom, Motion autofocus, Frequent Faces, Dual exposure controls, Live HDR+, Cinematic Pan

Memory and storage

- 8 GB LPDDR5 RAM
- 128 GB UFS 3.1 storage[21]

Connectivity and location

- Wi-Fi 6E (802.11ax) with 2.4 G+5 GHz+6 GHz, HE160, MIMO
- Bluetooth® v5.2 with dual antennas for enhanced quality and connection
- NFC
- Google Cast

Media and Audio

- Stereo speakers
- Three microphones
- Noise suppression

Buttons and ports

- USB Type-C® 3.1 Gen 1
- Power button
- Volume controls

In the box

- 1 m USB-C to USB-C cable (USB 2.0)
- Quick start guide
- Quick Switch adaptor
- SIM tool

Processor

- Google Tensor
- Titan M2™ security coprocessor

Sensors

- Proximity sensor
- Ambient light sensor
- Accelerometer
- Gyrometer
- Magnetometer
- Barometer

Video

- Rear camera: 4K video recording at 30 FPS, 60 FPS; 1080p video recording at 30 FPS, 60 FPS
- Front camera: 1080p video recording at 30 FPS
- Audio: Stereo recording, Speech enhancement, Wind noise reduction, Audio zoom

Video features: Cinematic Pan, Slow-motion video support up to 240 FPS, 4K timelapse with stabilisation, Astrophotography timelapse, Optical image stabilisation, Fused video stabilisation, 4K Cinematic Pan video stabilisation, 4K locked video stabilisation, 1080p active video stabilisation, Digital zoom up to 7x, Video formats: HEVC (H.265) and AVC (H.264)

Disclaimers: 1 Based on internal benchmark testing on pre-production devices. 2 Charging speed based on testing with device batteries drained to 1% and charged with Google 30 W USB-C® Charger; sold separately. Charging testing was conducted by Google in mid-2021 on pre-production hardware and software, using default settings with the device powered on. Charging speed depends upon many factors including usage during charging, battery age and ambient temperature. Actual charging speed may be lower. 3 Estimate of typical capacity based on testing and expected cell behaviour. 4 Not available in all languages or countries. Not available on all media or apps. See g.co/pixel/livetranslate for more information. 5 Camera-based translation using Lens is available in 55 languages. Language availability may be more limited for other Pixel translation features. See g.co/pixel/livetranslate for more information. 6 Internet connection required during setup only. 7 Maximum battery life based on testing using a mix of talk, data, standby and use of limited other features that are default in Extreme Battery Saver mode (which disables various features including 5G connectivity). Battery testing conducted using two major operator networks. Battery testing conducted by a third party in California in mid 2021 on pre-production hardware and software using default settings, except that Extreme Battery Saver mode was enabled. Battery life depends upon many factors and usage of certain features will decrease battery life. Actual battery life may be lower. 8 Requires a 5G data plan (sold separately). 5G service and roaming not available on all operator networks or in all areas and may vary by country. Contact operator for details. 5G service, speed and performance depend on many factors, including operator network capabilities and signal strength. Actual results may vary. Some features not available in all areas. Data rates may apply. See g.co/pixel/networkinfo for info. 9 Compared to earlier models of Pixel phones. 10: Android security updates for at least five years from when the device first became available on the Google Store in the US. See g.co/pixel/updates for details. 11 For emergency calls, microphones are always on. 12 Designed to comply with dust and water protection rating IP68 under IEC standard 60529 when each device leaves the factory, but the device is not water- or dust-proof. The accessories are not water- or dust-resistant. Water resistance and dust resistance are not permanent conditions and will diminish or be lost over time due to normal wear and tear, device repair, disassembly or damage. Dropping your device may result in loss of water/dust resistance. Liquid damage voids the warranty. See g.co/pixel/water for details. 13 Dimensions and weight vary by configuration and manufacturing process. 14 Measured diagonally; dimensions may vary by configuration and manufacturing process. 15 Not available for all apps or content. Display automatically adjusts to optimise for best viewing and battery performance. 16 For beyond 24 hour: Estimated battery life based on testing using a mix of talk, data, standby and use of other features. Average battery life during testing was approximately 34 hours.Battery testing conducted using two major operator networks using sub-6 GHz non-standalone 5G (ENDC) connectivity. For Up to 48 hours: Maximum battery life based on testing using a mix of talk, data, standby and use of limited other features that are default in Extreme Battery Saver mode (which disables various features, including 5G connectivity). Battery testing conducted using two major operator networks. For both claims: Battery testing conducted by a third party in California in mid-2021 on pre-production hardware and software using default settings, except that, for the up to 48 hour claim' only, Extreme Battery Saver mode was enabled. Battery life depends upon many factors and usage of certain features will decrease battery life. Actual battery life may be lower. 17 Estimate of typical capacity based upon testing and expected mobile behaviour. 18 Fast wired charging rates are based upon use of the Google 30 W USB-C® Charger plugged into an electrical socket. Compatible with USB-PD 3.0 PPS adaptors. Actual results may be slower. Adaptors sold separately. Charging speed based upon testing with device batteries drained to 1% and charged with Google 30 W USB-C® Charger; sold separately. Charging testing conducted by Google in mid-2021 on pre-production hardware and software using default settings with the device powered on. Charging speed depends upon many factors, including usage during charging, battery age and ambient temperature. Actual charging speed may be slower. 19 Wireless charging rates up to 21 W (Pixel 6) and up to 23 W (Pixel 6 Pro) charging with Google Pixel Stand (2nd gen) (sold separately). Up to 12 W with Qi-certified EPP chargers (sold separately). Actual results may be slower. 20 Designed to charge Qi-certified devices. Use of reverse wireless charging significantly reduces Pixel battery life. Cases may interfere with charging and will reduce charging speed. Charge speeds may vary. See g.co/pixel/wirelesscharging for more information. 21 Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. 22 Not available for all camera apps or modes. 23 Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See g.co/pixel/photoediting for more information. 24 Magic Eraser may not work on all image elements. USB-C® is a trademark of USB Implementers Forum. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.