



# Pixel 7 & Pixel 7 Pro

The most advanced Google phones, powered by the next-gen Google Tensor G2.



**Adaptive performance with Google Tensor G2**



**The most advanced Pixel cameras yet**



**Secure to the core**



**A complete, integrated Pixel portfolio**



**Google Tensor G2.**

Even faster and more efficient than the original, bringing more helpful features to Pixel.<sup>o</sup>



**Super Res Zoom.**

Get beautiful photos at a distance with up to 30x Super Res Zoom on Pixel 7 Pro and 8x on Pixel 7.<sup>u</sup>



**Titan M2 and Google Tensor G2 security core.**

With multiple layers of hardware security, your information is safer than ever.



**Pixel portfolio.**

Enjoy a seamless Google experience on the go with Google Pixel Watch and Pixel Buds.



**Adaptive Battery and Extreme Battery Saver.**

An all-day battery that lasts and adapts.<sup>o</sup>



**Magic Eraser.**

Remove people and unwanted objects from the background of your photos.<sup>o</sup>



**Built-in VPN by Google One.<sup>v</sup>**

Extra protection when you're online. Coming December 2022.



**Google Nest.**

Control your connected home from your phone and transfer media across your devices.



**Live Translate.**

Translate more languages in real time, no internet required.<sup>o</sup>



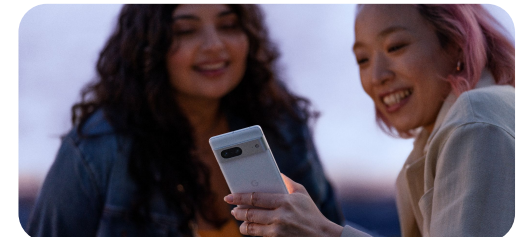
**Real Tone.**

Represent the nuances of more skin tones beautifully and authentically.



**Face Unlock.**

Unlock your phone, quickly and conveniently.



<sup>o</sup> For "24-hour": Estimated battery life based on testing using a median Pixel user battery usage profile across a mix of talk, data, standby, and use of other features. Average battery life during testing was approximately 31 hours. Battery testing conducted on a major carrier network. For "Up to 72 hours": Estimated battery life based on testing using a median Pixel user battery usage profile across 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 on a major carrier network. For both claims: Battery testing conducted in California in early 2022 on pre-production hardware and software using default settings, except that, for the "up to 72 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.<sup>u</sup> Not available in all languages or countries. Not available on all media or apps. See [www.google.com/pixel/livetranslate](https://www.google.com/pixel/livetranslate) for more information. Translation may not be instantaneous.<sup>v</sup> Compared to Pixel 6. Based on internal benchmark testing, using pre-production devices.<sup>v</sup> Not available for all camera apps or modes.<sup>o</sup> Magic Eraser requires Google Photos app. May not work on all image elements.<sup>v</sup> Coming soon. Restrictions apply. Some data is not transmitted through VPN. Not available in all countries. All other Google One membership benefits sold separately. This VPN offer does not impact price or benefits of Google One Premium plan. Use of VPN may increase data costs depending on your plan. See [www.google.com/pixel/vpn](https://www.google.com/pixel/vpn) for details.



# The first phones with Google Tensor G2

Google Tensor G2 brings improved photo and video quality, enhanced security, and more helpful features to the Pixel 7 phones.<sup>Ⓞ</sup>



## Improved photo and video quality

Google Tensor G2's advanced image processors and Google's cutting edge computational photography work together to improve the quality, consistency, and processing speed of your photos, and enables extraordinarily detailed, 10-bit HDR video. Record video with Cinematic Blur, and Google Tensor G2 processes the effect in real time as you record.



## Improved security

The chip uses Protected Computing to safeguard your apps. And Tensor's built-in security core works with the Titan M2 security chip to keep your financial info, PINs, and passwords safe.



## Improved speech recognition

Google Tensor G2 runs Google's machine learning models with less power and latency.<sup>Ⓞ</sup> Your Pixel accurately understands how you speak and learns names of your family and friends, favorite places, and more.







# Pixel exclusives

Features only available on Pixel phones.


● Coming December 2022



**Google Tensor G2**  
The faster, more efficient next-gen custom processor by Google.<sup>Ⓛ</sup>




**Extreme Battery Saver**  
Extend the battery up to 72 hours.<sup>Ⓜ</sup>




**Quick phrases**  
Make everyday tasks faster, without needing to say “Hey Google”.<sup>Ⓝ</sup>


“Answer” “Decline”  
“Silence” “Stop”  
“Snooze”



**Titan M2**  
Protects your personal information, PINs, and passwords.




**Pixel Feature Drops**  
Year-round updates with the latest features and improvements.<sup>Ⓞ</sup>




**Call screen**  
Prevent unwanted calls with Google Assistant.<sup>Ⓟ</sup>



**Clear Calling** ●  
Pixel filters out background noise from incoming calls.<sup>Ⓠ</sup>




**Magic Eraser**  
Remove people and unwanted objects from photos with a few taps in Google Photos.<sup>Ⓡ</sup>




**Real Tone**  
Represents more skin tones beautifully and authentically.



**Super Res Zoom**  
Beautiful, high-quality photos at a distance.<sup>Ⓢ</sup>



**Built-in VPN** ●  
Extra protection when you're online at no extra cost.<sup>Ⓣ</sup>






**Assistant voice typing**  
Talk to Google to type, edit, and send messages.<sup>Ⓤ</sup>

<sup>Ⓛ</sup> Compared to Pixel 6. Based on internal benchmark testing, using pre-production devices. <sup>Ⓜ</sup> For “24-hour”: Estimated battery life based on testing using a median Pixel user battery usage profile across a mix of talk, data, standby, and use of other features. Average battery life during testing was approximately 31 hours. Battery testing conducted on a major carrier network. For “Up to 72 hours”: Estimated battery life based on testing using a median Pixel user battery usage profile across 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 on a major carrier network. For both claims: Battery testing conducted in California in early 2022 on pre-production hardware and software using default settings, except that, for the “up to 72 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. <sup>Ⓝ</sup> Not available in all languages or countries. See [g.co/assistant/languages](https://g.co/assistant/languages) for details. <sup>Ⓞ</sup> Your Pixel will generally receive Feature Drops during the applicable Android update and support periods for the phone. See [g.co/pixel/updates](https://g.co/pixel/updates) for details. Availability of some Feature Drops may vary. <sup>Ⓟ</sup> US only, English only. Call Screen may not detect all robocalls and spam calls. For more information, see [g.co/help/callscreen](https://g.co/help/callscreen). <sup>Ⓠ</sup> Coming soon. Not available on VOIP calls. Call quality depends on environment, carrier network conditions, and many other factors. Actual results may vary. <sup>Ⓡ</sup> Magic Eraser requires Google Photos app. May not work on all image elements. <sup>Ⓢ</sup> Not available for all camera apps or modes. <sup>Ⓣ</sup> Coming soon. Restrictions apply. Some data is not transmitted through VPN. Not available in all countries. All other Google One membership benefits sold separately. This VPN offer does not impact price or benefits of Google One Premium plan. Use of VPN may increase data costs depending on your plan. See [g.co/pixel/vpn](https://g.co/pixel/vpn) for details.



# The Pixel lineup

Find out which Pixel is right for you.

	 <b>Pixel 7 Pro</b>	 <b>Pixel 7</b>	 <b>Pixel 6a</b>
	<b>Google Tensor processors   Titan M2   Adaptive Battery   Live Translate<sup>o</sup>   Magic Eraser<sup>o</sup>   Real Tone   Feature Drops<sup>o</sup></b>		
<b>Cameras</b>	<b>48 MP telephoto, 50 MP dual pixel wide, 12 MP ultrawide with autofocus,<sup>l</sup> 10.8 MP front</b>	<b>50 MP dual pixel wide, 12 MP ultrawide,<sup>l</sup> 10.8 MP front</b>	<b>12.2 MP dual pixel wide, 12 MP ultrawide,<sup>l</sup> 8 MP front</b>
<b>Processor</b>	<b>Google Tensor G2</b>	<b>Google Tensor G2</b>	<b>Google Tensor</b>
<b>Storage and memory</b>	<b>12 GB RAM, up to 512 GB storage<sup>x</sup></b>	<b>8 GB RAM, up to 256 GB storage<sup>x</sup></b>	<b>6 GB RAM, 128 GB storage<sup>x</sup></b>
<b>Display</b>	<b>6.7" Smooth Display up to 120 Hz<sup>Δ</sup></b>	<b>6.3" Smooth Display up to 90 Hz<sup>Δ</sup></b>	<b>6.1" 60 Hz display<sup>Δ</sup></b>
<b>Added features</b>	<b>Macro Focus, Motion Mode, 10-bit HDR, Wireless charging<sup>5</sup></b>	<b>Motion Mode, 10-bit HDR, Wireless charging<sup>5</sup></b>	<b>-</b>

<sup>o</sup> Not available in all languages or countries. Not available on all media or apps. See [www.google.com/pixel/livetranslate](https://www.google.com/pixel/livetranslate) for more information. Translation may not be instantaneous. <sup>o</sup> Magic Eraser requires Google Photos app. May not work on all image elements. <sup>o</sup> Your Pixel will generally receive Feature Drops during the applicable Android update and support periods for the phone. See [www.google.com/pixel/updates](https://www.google.com/pixel/updates) for details. Availability of some Feature Drops may vary. <sup>x</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>Δ</sup> Smooth Display is not available for all apps or content. <sup>l</sup> Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See [www.google.com/pixel/photoediting](https://www.google.com/pixel/photoediting) for more information. <sup>5</sup> Wireless charging rates up to 20W (Pixel 7) and up to 23W (Pixel 7 Pro) charging with Google Pixel Stand (2nd gen) (sold separately). Up to 12W with Qi-certified EPP chargers (sold separately). Actual results may be slower.



Comparison | Pixel lineup

Pixel 7 Pro	Pixel 6 Pro	Pixel 7	Pixel 6
Google Tensor G2	Google Tensor	Google Tensor G2	Google Tensor
6.7" Smooth Display up to 120 Hz <sup>Δ</sup>	6.7" Smooth Display up to 120 Hz <sup>Δ</sup>	6.3" Smooth Display up to 90 Hz <sup>Δ</sup>	6.4" Smooth Display up to 90 Hz <sup>Δ</sup>
12 GB LPDDR5 RAM 128 / 256 / 512 GB storage <sup>ⓧ</sup>	12 GB LPDDR5 RAM 128 / 256 / 512 GB storage <sup>ⓧ</sup>	8 GB LPDDR5 RAM 128 / 256 GB storage <sup>ⓧ</sup>	8 GB LPDDR5 RAM 128 / 256 GB storage <sup>ⓧ</sup>
48 MP telephoto (5x) 50 MP wide 12 MP ultrawide with autofocus <sup>1</sup> 10.8 MP front Macro Focus	48 MP telephoto (4x) 50 MP wide 12 MP ultrawide <sup>1</sup> 11.1 MP front -	- 50 MP wide 12 MP ultrawide <sup>1</sup> 10.8 MP front -	- 50 MP wide 12 MP ultrawide camera <sup>1</sup> 8 MP front -
Rear camera up to 4K @ 60 FPS Front camera up to 4K @ 30 FPS 10-bit HDR video Cinematic Blur	Rear camera up to 4K @ 60 FPS Front camera up to 4K @ 30 FPS - -	Rear camera up to 4K @ 60 FPS Front camera up to 4K @ 30 FPS 10-bit HDR video Cinematic Blur	Rear camera up to 4K @ 60 FPS Front camera 1080p @ 30 FPS - -
Titan M2 security chip 5 years of security updates <sup>3</sup> Fingerprint Unlock Face Unlock Water and dust resistant (IP68) <sup>Ⓜ</sup>	Titan M2 security chip 5 years of security updates <sup>3</sup> Fingerprint Unlock - Water and dust resistant (IP68) <sup>Ⓜ</sup>	Titan M2 security chip 5 years of security updates <sup>3</sup> Fingerprint Unlock Face Unlock Water and dust resistant (IP68) <sup>Ⓜ</sup>	Titan M2 security chip 5 years of security updates <sup>3</sup> Fingerprint Unlock - Water and dust resistant (IP68) <sup>Ⓜ</sup>

<sup>ⓧ</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>Δ</sup> Smooth Display is not available for all apps or content. <sup>1</sup> Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See [www.google.com/pixel/photoediting](https://www.google.com/pixel/photoediting) for more information. <sup>2</sup> Android security updates for at least 5 years from when the device first became available on the Google Store in the US. See [www.google.com/pixel/updates](https://www.google.com/pixel/updates) for details. <sup>Ⓜ</sup> 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 [www.google.com/pixel/water](https://www.google.com/pixel/water) for details.



Comparison | How Pixel 7 Pro stands out

<b>Pixel 7 Pro</b> <b>MSRP \$899</b>	<b>iPhone 14 Pro<sup>I</sup></b> <b>MSRP \$999</b>	<b>iPhone 14 Pro Max<sup>I</sup></b> <b>MSRP \$1099</b>	<b>Samsung Galaxy S22 Ultra<sup>II</sup></b> <b>MSRP \$1119.99</b>	<b>Samsung Galaxy S22+<sup>II</sup></b> <b>MSRP \$999.99</b>	<b>OnePlus 10 Pro<sup>III</sup></b> <b>MSRP \$799</b>
Google Tensor G2 12 GB LPDDR5 RAM Up to 512 GB UFS 3.1 storage <sup>IV</sup> Android 13	Apple A16 Bionic chip 6 GB RAM Up to 1TB storage iOS 16	Apple A16 Bionic chip 6 GB RAM Up to 1TB storage iOS 16	Snapdragon 8 Gen 1 Up to 12 GB LPDDR5 RAM Up to 1TB storage Android 12	Snapdragon 8 Gen 1 8 GB LPDDR5 RAM Up to 256 GB storage Android 12	Snapdragon 8 Gen 1 Up to 12 GB LPDDR5 RAM Up to 256 GB storage Android 12
50 MP wide camera 12 MP ultrawide camera with autofocus 48 MP telephoto (5x) Super Res Zoom up to 30x 10-bit HDR video	48 MP wide camera 12 MP ultrawide camera with autofocus 12 MP telephoto (2x) and 12 MP telephoto (3x) Digital Zoom up to 15x HDR video	48 MP wide camera 12 MP ultrawide camera with autofocus 12 MP telephoto (2x) and 12 MP telephoto (3x) Digital Zoom up to 15x HDR video	108 MP wide camera 12 MP ultrawide camera 2x 10 MP telephoto Space Zoom up to 100x Super HDR	50 MP wide camera 12 MP ultrawide camera 10 MP telephoto camera Space Zoom up to 30x Super HDR	48 MP wide camera 50 MP ultrawide camera 8 MP telephoto camera - HDR video
Titan M2 security chip Built-in VPN by Google One <sup>V</sup> Under-display fingerprint sensor Face Unlock	Secure Enclave iCloud Private Relay - Face ID	Secure Enclave iCloud Private Relay - Face ID	Samsung Knox - Ultrasonic Fingerprint Face recognition	Samsung Knox - Ultrasonic Fingerprint Face recognition	- - In-display Fingerprint Sensor Face Unlock
Live Translate <sup>VI</sup> Face Unblur <sup>VII</sup> Magic Eraser <sup>VIII</sup> Macro Focus Real Tone	Live Text - - Macro photography -	Live Text - - Macro photography -	Google Translate - Object Eraser - -	Google Translate - Object Eraser - -	Google Translate - Eraser - -

<sup>I</sup> Source: [apple.com/iphone-14/specs](https://apple.com/iphone-14/specs) and [apple.com/iphone-14-pro/specs](https://apple.com/iphone-14-pro/specs) <sup>II</sup> Source: [samsung.com/us/smartphones/galaxy-s22-ultra/models](https://samsung.com/us/smartphones/galaxy-s22-ultra/models) <sup>III</sup> Source: [oneplus.com/9/specs](https://oneplus.com/9/specs) and [oneplus.com/10-pro/specs](https://oneplus.com/10-pro/specs) <sup>IV</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>V</sup> Coming soon. Restrictions apply. Some data is not transmitted through VPN. Not available in all countries. All other Google One membership benefits sold separately. This VPN offer does not impact price or benefits of Google One Premium plan. Use of VPN may increase data costs depending on your plan. See [google.com/pixel/vpn](https://google.com/pixel/vpn) for details. <sup>VI</sup> Not available in all languages or countries. Not available on all media or apps. See [google.com/pixel/livetranslate](https://google.com/pixel/livetranslate) for more information. Translation may not be instantaneous. <sup>VII</sup> Deblurring may not work on all photos or videos with faces. <sup>VIII</sup> Magic Eraser requires Google Photos app. May not work on all image elements.



Comparison | How Pixel 7 stands out

<b>Pixel 7</b> <b>MSRP \$599</b>	<b>iPhone 14<sup>I</sup></b> <b>MSRP \$799</b>	<b>Samsung Galaxy S22<sup>II</sup></b> <b>MSRP \$799</b>	<b>OnePlus 9<sup>III</sup></b> <b>MSRP \$729</b>
<p>Google Tensor G2</p> <p>8 GB LPDDR5 RAM</p> <p>Up to 256 GB UFS 3.1 storage<sup>VI</sup></p> <p>Android 13</p>	<p>Apple A15 Bionic chip</p> <p>4 GB RAM</p> <p>Up to 512 GB storage</p> <p>iOS 16</p>	<p>Snapdragon 8 Gen 1</p> <p>8 GB LPDDR5 RAM</p> <p>Up to 256 GB storage</p> <p>Android 12</p>	<p>Snapdragon 888</p> <p>8 GB LPDDR5 RAM</p> <p>128 GB storage</p> <p>Android 11</p>
<p>50 MP wide camera</p> <p>12 MP ultrawide camera</p> <p>-</p> <p>Super Res Zoom up to 8x</p> <p>10-bit HDR video</p>	<p>12 MP wide camera</p> <p>12 MP ultra-wide camera</p> <p>-</p> <p>Digital zoom up to 5x</p> <p>HDR video</p>	<p>50 MP wide camera</p> <p>12 MP ultrawide camera</p> <p>10 MP telephoto camera</p> <p>Space Zoom up to 30x</p> <p>Super HDR</p>	<p>48 MP wide camera</p> <p>50 MP ultrawide camera</p> <p>-</p> <p>-</p> <p>HDR video</p>
<p>Titan M2 security chip</p> <p>Built-in VPN by Google One<sup>V</sup></p> <p>Under-display fingerprint sensor</p> <p>Face Unlock</p>	<p>Secure Enclave</p> <p>iCloud Private Relay</p> <p>Haptic Touch</p> <p>Face ID</p>	<p>Samsung Knox</p> <p>-</p> <p>Ultrasonic Fingerprint</p> <p>Face recognition</p>	<p>-</p> <p>-</p> <p>In-display Fingerprint sensor</p> <p>Face Unlock</p>
<p>Live Translate<sup>9</sup></p> <p>Face Unblur<sup>□</sup></p> <p>Magic Eraser<sup>9</sup></p> <p>Real Tone</p>	<p>Live text</p> <p>-</p> <p>-</p> <p>-</p>	<p>Google Translate</p> <p>-</p> <p>Object Eraser</p> <p>-</p>	<p>Google Translate</p> <p>-</p> <p>Eraser</p>

<sup>I</sup> Source: [apple.com/iphone-14/specs](https://apple.com/iphone-14/specs) and [apple.com/iphone-14-pro/specs](https://apple.com/iphone-14-pro/specs). <sup>II</sup> Source: [samsung.com/us/smartphones/galaxy-s22-ultra/models](https://samsung.com/us/smartphones/galaxy-s22-ultra/models). <sup>III</sup> Source: [www.oneplus.com/9/specs](https://www.oneplus.com/9/specs) and [oneplus.com/10-pro/specs](https://www.oneplus.com/10-pro/specs). <sup>IV</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>V</sup> Coming soon. Restrictions apply. Some data is not transmitted through VPN. Not available in all countries. All other Google One membership benefits sold separately. This VPN offer does not impact price or benefits of Google One Premium plan. Use of VPN may increase data costs depending on your plan. See [www.google.com/pixel/vpn](https://www.google.com/pixel/vpn) for details. <sup>VI</sup> Not available in all languages or countries. Not available on all media or apps. See [www.google.com/pixel/livetranslate](https://www.google.com/pixel/livetranslate) for more information. Translation may not be instantaneous. <sup>VII</sup> Deblurring may not work on all photos or videos with faces. <sup>VIII</sup> Magic Eraser requires Google Photos app. May not work on all image elements.





# Pixel 7 Pro

## Tech specs



### Dimensions and weight<sup>xxxx</sup>

Height: 6.4 in (162.9 mm)  
Width: 3.0 in (76.6 mm)  
Depth: 0.3 in (8.9 mm)  
Weight: 7.5 oz (212 g)

### Color

- Snow
- Obsidian
- Hazel

### Display

Full-screen 6.7" (170 mm) display<sup>†</sup>  
19.5:9 aspect ratio  
QHD+ (1440 x 3120) LTPO OLED at 512 PPI

### Battery and charging<sup>†</sup>

Minimum 4926 mAh  
Typical 5000 mAh  
Fast charging with Google 30W  
USB-C<sup>®</sup> Charger with USB-PD 3.0 (PPS) sold separately.<sup>‡</sup>

### Mic and speakers

Stereo speakers  
3 microphones  
Noise suppression

### Sensors

Proximity sensor  
Ambient light sensor  
Accelerometer  
Gyrometer  
Magnetometer  
Barometer

### Camera

50 MP Octa PD Quad Bayer wide camera  
1.2 μm, *f*/1.85, 82° FOV, 1/1.31"

12 MP ultrawide camera with autofocus  
1.25 μm, *f*/2.2, 125.8° FOV<sup>†</sup>  
Lens correction

48 MP Quad Bayer PD telephoto camera  
0.7 μm, *f*/3.5 aperture, 20.6° FOV  
5x optical zoom and Super Res Zoom up to 30x<sup>‡</sup>

LDAF (laser detect auto focus) sensor  
Optical + electronic image stabilization on wide and telephoto

10.8 MP front camera  
1.22 μm, *f*/2.2 aperture, 92.8° ultrawide FOV<sup>†</sup>  
Fixed focus

### Video

Up to 4K video recording at 60 FPS  
10-bit HDR video  
Stabilization: optical image, fused video, 4K Cinematic Pan, 4K locked video, 1080p active video.  
Formats: HEVC (H.265) and AVC (H.264)  
Stereo recording, speech enhancement, wind noise reduction, and audio zoom.

### Memory and storage

12 GB LPDDR5 RAM  
128 GB / 256 GB / 512 GB UFS 3.1 storage<sup>vv</sup>

### Processor

Google Tensor G2

### Security

Tensor security core  
The Titan M2 security chip  
Trusty (Trusted Execution Environment)  
Minimum 5 years of security updates<sup>vv</sup>

### Authentication

Fingerprint Unlock with under-display fingerprint sensor, Face Unlock, pattern, PIN, password

### Connectivity

Bluetooth<sup>®</sup> v5.2 with dual antennas for enhanced quality and connection  
Ultra-Wideband chip<sup>vv</sup>  
NFC, Google Cast  
Dual Band GNSS  
GPS, GLONASS, Galileo, QZSS  
USB Type-C<sup>®</sup> 3.2 Gen 2

### Materials

Scratch-resistant Corning<sup>®</sup> Gorilla<sup>®</sup> Glass Victus<sup>™</sup> cover glass  
Edgeless Corning<sup>®</sup> Gorilla<sup>®</sup> Glass Victus<sup>™</sup> back with polished aluminum frame  
IP68 dust and water resistance<sup>vv</sup>  
Fingerprint-resistant coating

### Warranty

[US, CA, JP, TW, IN, SG, UK] 1 year  
[EU, AU] 2 years

<sup>xxxx</sup> Dimensions and weight vary by configuration and manufacturing process. <sup>†</sup> Measured diagonally; dimension may vary by configuration and manufacturing process. <sup>‡</sup> Estimate of typical capacity based upon testing and expected cell behavior. <sup>†</sup> Fast wired charging rates (up to 20W on Pixel 7 and up to 23W on Pixel 7 Pro) are based upon use of the Google 30W USB-C<sup>®</sup> Charger plugged into a wall outlet. Actual results may be slower. Adapters sold separately. Charging speed based upon testing with device batteries drained to 1% and charged with Google 30W USB-C<sup>®</sup> Charger. Charging testing conducted by Google in mid-2022 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. <sup>†</sup> Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See [www.google.com/pixel/photoediting](https://www.google.com/pixel/photoediting) for more information. <sup>†</sup> Not available for all camera apps or modes. <sup>‡</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>‡</sup> Android security updates for at least 5 years from when the device first became available on the Google Store in the US. See [www.google.com/pixel/updates](https://www.google.com/pixel/updates) for details. <sup>vv</sup> Requires compatible device. Accuracy dependent upon distance, orientation, signal obstruction and other factors. <sup>vv</sup> 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 [www.google.com/pixel/water](https://www.google.com/pixel/water) for details.





# Pixel 7

## Tech specs



### Dimensions and weight<sup>xxxx</sup>

Height: 6.1 in (155.6 mm)  
Width: 2.9 in (73.2 mm)  
Depth: 0.3 in (8.7 mm)  
Weight: 6.9 oz (197 g)

### Color

- Snow
- Obsidian
- Lemongrass

### Display

Full-screen 6.3" (160.5 mm) display<sup>†</sup>  
20:9 aspect ratio  
FHD+ (1080 x 2400) OLED at 416 PPI

### Battery and charging<sup>†</sup>

Minimum 4270 mAh  
Typical 4355 mAh  
Fast charging with Google 30W  
USB-C<sup>®</sup> Charger with USB-PD 3.0 (PPS) sold separately.<sup>‡</sup>

### Mic and speakers

Stereo speakers  
3 microphones  
Noise suppression

### Sensors

Proximity sensor  
Ambient light sensor  
Accelerometer  
Gyrometer  
Magnetometer  
Barometer

### Camera

50 MP Octa PD Quad Bayer wide camera  
1.2 μm, *f*/1.85, 82° FOV, 1/1.31"  
Super Res Zoom up to 8x<sup>4</sup>

12 MP ultrawide camera with autofocus  
1.25 μm, *f*/2.2, 114° FOV<sup>4</sup>  
Lens correction

LDAF (laser detect auto focus) sensor  
Optical + electronic image stabilization

10.8 MP front camera  
1.22 μm, *f*/2.2 aperture, 92.8° ultrawide FOV<sup>4</sup>  
Fixed focus

### Video

Up to 4K video recording at 60 FPS  
10-bit HDR video  
Stabilization: optical image, fused video,  
4K Cinematic Pan, 4K locked video,  
1080p active video.  
Formats: HEVC (H.265) and AVC (H.264)  
Stereo recording, speech enhancement,  
wind noise reduction, and audio zoom.

### Memory and storage

8 GB LPDDR5 RAM  
128 GB / 256 GB UFS 3.1 storage<sup>xx</sup>

### Processor

Google Tensor G2

### Security

Tensor security core  
The Titan M2 security chip  
Trusty (Trusted Execution Environment)  
Minimum 5 years of security updates<sup>3</sup>

### Authentication

Fingerprint Unlock with under-display  
fingerprint sensor, Face Unlock, pattern,  
PIN, password

### Connectivity

Bluetooth<sup>®</sup> v5.2 with dual antennas for  
enhanced quality and connection  
NFC, Google Cast  
Dual Band GNSS  
GPS, GLONASS, Galileo, QZSS  
USB Type-C<sup>®</sup> 3.2 Gen 2

### Materials

Scratch-resistant Corning<sup>®</sup> Gorilla<sup>®</sup> Glass  
Victus<sup>™</sup> cover glass  
Edgeless Corning<sup>®</sup> Gorilla<sup>®</sup> Glass Victus<sup>™</sup>  
back with matte aluminum frame  
IP68 dust and water resistance<sup>5</sup>  
Fingerprint-resistant coating

### Warranty

[US, CA, JP, TW, IN, SG, UK] 1 year  
[EU, AU] 2 years

<sup>xxxx</sup> Dimensions and weight vary by configuration and manufacturing process. <sup>†</sup> Measured diagonally; dimension may vary by configuration and manufacturing process. <sup>1</sup> Estimate of typical capacity based upon testing and expected cell behavior. <sup>‡</sup> Fast wired charging rates (up to 20W on Pixel 7 and up to 23W on Pixel 7 Pro) are based upon use of the Google 30W USB-C<sup>®</sup> Charger plugged into a wall outlet. Actual results may be slower. Adapters sold separately. Charging speed based upon testing with device batteries drained to 1% and charged with Google 30W USB-C<sup>®</sup> Charger. Charging testing conducted by Google in mid-2022 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. <sup>4</sup> Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See [www.google.com/pixel/photoediting](https://www.google.com/pixel/photoediting) for more information. <sup>5</sup> Not available for all camera apps or modes. <sup>6</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>7</sup> Android security updates for at least 5 years from when the device first became available on the Google Store in the US. See [www.google.com/pixel/updates](https://www.google.com/pixel/updates) for details. <sup>8</sup> 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 [www.google.com/pixel/water](https://www.google.com/pixel/water) for details.



# Customers might ask...

## How is Google Tensor G2 better than the original Google Tensor?

The new Google Tensor G2 processor is even faster and more efficient than the original, bringing more helpful features, enhanced security, and improved photo and video quality to the Pixel 7 phones.<sup>o</sup> The Google Tensor G2 GPU runs more efficiently, delivering smoother real-time rendering for stunning, fluid graphics.<sup>‡</sup> This makes gaming richer and more immersive, and AAA games even better. Our new processor enables extraordinarily detailed, 10-bit HDR video. With upgraded image processing capabilities, video quality is amazing whether you watch on your Pixel or your big screen TV. Record video with Cinematic Blur, and Google Tensor G2 processes the effect in real time as you record.

## What's the difference between Pixel 7 and Pixel 7 Pro?

Pixel 7 Pro has a polished metal frame surrounding a big, bright, 120 Hz Smooth Display,<sup>^</sup> an advanced triple rear camera with a telephoto lens, 12 GB of RAM for fast performance, and a 5000 mAh battery<sup>1</sup> to last all day.<sup>o</sup> Pixel 7 has a smaller, satin-finished metal frame housing a 90 Hz Smooth Display,<sup>^</sup> brilliant dual rear camera, 8 GB RAM, and a 4355 mAh battery.<sup>1</sup>

## There's no charger in the box. Will I need to buy one?

You can charge Pixel with an existing USB-C cable and charger. You might get faster charging with the official Pixel charger, sold separately, which offers up to 30W for fast wired charging power.<sup>\*</sup> Or Pixel Stand (2nd gen) offers up to 23W fast wireless charging, upon updating to the latest software on your phone.<sup>5</sup>

## What are the main improvements over Pixel 6 and Pixel 6 Pro?

Pixel 7 and Pixel 7 Pro come with the faster, more efficient Google Tensor G2 processor,<sup>o</sup> powering new features like Clear Calling<sup>^</sup> and Voice Message Transcription (coming in December 2022 Feature Drop).<sup>h</sup>

The Pixel camera system is supported by Google Tensor G2's advanced custom image processing and state-of-the-art machine learning, delivering new, advanced camera experiences that are not available, or able to achieve the same quality results, on any other Pixel devices. Pixel 7 Pro's triple rear camera system includes a 50 MP dual pixel wide camera with a 1/1.31" sensor – the largest in the Pixel portfolio – providing better and finer details and better Night Sight photography and a 12 MP ultrawide camera,<sup>1</sup> with an upgraded auto-focus powering macrophotography. Both devices deliver our best-quality video yet with 10-bit HDR video, and can create beautiful videos with an out-of-focus background with Cinematic Blur.

When it comes to protection, the Pixel 7 phones come with VPN by Google One, built into your phone at no extra cost, so you have additional privacy online.<sup>v</sup> Face Unlock has been added, providing a quick and easy way to unlock your phone.

## I've not owned a Pixel before, is it easy to switch?

No matter what phone you're coming from, you can transfer your stuff, like photos or messages, from your old phone to your Pixel in [a few simple steps](#). You can do it by backing up your data on the Google Drive app or connecting both phones to the Quick Switch adapter.

<sup>o</sup> Compared to Pixel 6. Based on internal benchmark testing, using pre-production devices. <sup>1</sup> Based on use of Smooth Display (not available for all apps or content). <sup>^</sup> Smooth Display is not available for all apps or content. <sup>†</sup> Estimate of typical capacity based upon testing and expected cell behavior. <sup>o</sup> For "24-hour": Estimated battery life based on testing using a median Pixel user battery usage profile across a mix of talk, data, standby, and use of other features. Average battery life during testing was approximately 31 hours. Battery testing conducted on a major carrier network. For "Up to 72 hours": Estimated battery life based on testing using a median Pixel user battery usage profile across 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 on a major carrier network. For both claims: Battery testing conducted in California in early 2022 on pre-production hardware and software using default settings, except that, for the "up to 72 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. <sup>2</sup> Fast wired charging rates (up to 20W on Pixel 7 and up to 23W on Pixel 7 Pro) are based upon use of the Google 30W USB-C® Charger plugged into a wall outlet. Actual results may be slower. Adapters sold separately. Charging speed based upon testing with device batteries drained to 1% and charged with Google 30W USB-C® Charger. Charging testing conducted by Google in mid-2022 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. <sup>5</sup> Pixel Stand sold separately. Wireless charging rates up to 20W (Pixel 7) and up to 23W (Pixel 7 Pro) charging with Google Pixel Stand (2nd gen) (sold separately). Up to 12W with Qi-certified EPP chargers (sold separately). Actual results may be slower. <sup>^</sup> Coming soon. Not available on VOIP calls. Call quality depends on environment, carrier network conditions, and many other factors. Actual results may vary. <sup>h</sup> Audio transcription available only through Android Messages. <sup>1</sup> Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See [a.co/pixel/photoediting](#) for more information. <sup>v</sup> Coming soon. Restrictions apply. Some data is not transmitted through VPN. Not available in all countries. All other Google One membership benefits sold separately. This VPN offer does not impact price or benefits of Google One Premium plan. Use of VPN may increase data costs depending on your plan. See [a.co/pixel/vpn](#) for details.