



# Pixel 6a

The most affordable Google phone with Google Tensor, our custom-built processor.



## Performance



### Google Tensor.

Our processor unlocks advanced capabilities, making Pixel 6a more helpful and personal.<sup>1</sup>



### Adaptive Battery.

Machine learning helps your battery last beyond 24 hours by prioritizing the apps you use most.<sup>2</sup>



### Magic Eraser.

Remove distractions from the background of images with a few taps in Google Photos.<sup>3</sup>



### Face Unblur.

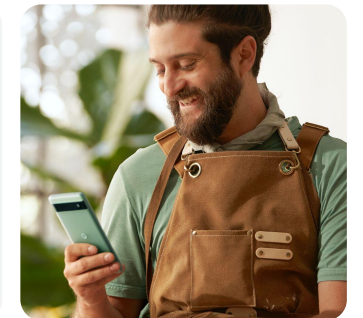
Pixel 6a can automatically sharpen faces for a less blurry photo.<sup>4</sup>

## Protection



### Titan M2™.

Our latest security chip securely stores your PINs and passwords.



### Live Translate.

Chat in up to 11 languages,<sup>5</sup> and read signs and documents in up to 55,<sup>6</sup> even when offline.



### Night Sight.

Take detailed photos in the dark without a flash.



### Real Tone.

Portraits on Pixel 6a represent different skin tones beautifully and authentically.



### IP67 resistance.

Pixel 6a is resistant to water and dust,<sup>7</sup> so you don't have to worry about splashes.



### 5 years of security updates.<sup>8</sup>

Pixel 6a gets more secure over time, updating to deal with constantly evolving security risks.

<sup>1</sup> Compared to Pixel 6a. <sup>2</sup> 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 29 hours. Battery life depends upon many factors and usage of certain features will decrease battery life. Battery testing conducted in California in early 2022 on pre-production hardware and software, using default settings. Battery testing conducted using Sub-6GHz non-standalone 5G (NDC) connectivity. Actual battery life may be lower. <sup>3</sup> Not available in all languages or countries. Not available on all media or apps. See [google.com/feature/magiceraser](#) for more information. Translation may not be instantaneous. <sup>4</sup> Camera-based translation using Lens is available in 50 languages. Language availability may be more limited for other Pixel translation features. See [google.com/feature/translation](#) for more information. <sup>5</sup> Requires Google Photos app. Magic Eraser may not work on all image elements. <sup>6</sup> Deblurring may not work on all photos or videos with faces. <sup>7</sup> Designed to comply with dust and water protection rating IP67 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 [google.com/water](#) for details. <sup>8</sup> Android security updates for at least 5 years from when the device first became available on the Google Store in the US. Updates may also include feature drops and other software updates. See [google.com/updates](#) for details.



# Pixel 6a

## Why choose Pixel 6a?



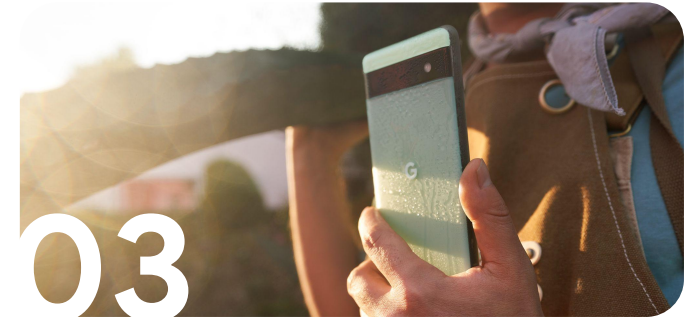
### Google Tensor

Google Tensor’s custom image processing and built-in machine learning help unlock the latest photography, security, and speech capabilities, such as Live Translate and Magic Eraser.



### Adaptive Battery

Adaptive Battery on Pixel 6a is designed to last beyond 24 hours,<sup>o</sup> even on 5G.<sup>u</sup> Extreme Battery Saver can extend the battery up to 72 hours by turning off some power-heavy features and pausing most apps.\*



### Titan M2™

Our latest Titan M2™ security chip works with the Google Tensor security core to make Pixel even more resilient to attacks.<sup>ψ</sup> This integrated security enables Pixel 6a to better protect personal and sensitive information.

## Key Specs

📷 12.2 MP dual pixel wide camera

💾 128 GB storage<sup>1</sup>

💧 IP67 resistance<sup>o</sup>

📷 12 MP 114° ultra wide camera<sup>3</sup>

🎥 4K video @ 60 FPS




📱 6.1-inch FHD+ OLED display<sup>®</sup>

<sup>o</sup> 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 29 hours. Battery life depends upon many factors and usage of certain features will decrease battery life. Battery testing conducted in California in early 2022 on pre-production hardware and software, using default settings. Battery testing conducted using Sub-6GHz non-standalone 5G (NSA) connectivity. Actual battery life may be lower. <sup>u</sup> Requires a 5G data plan (sold separately). 5G service not available on all carrier networks or in all areas. Contact carrier for details. 5G service, speed and performance depend on many factors including, but not limited to, carrier network capabilities, device configuration and capabilities, network traffic, location, signal strength and signal obstruction. Actual results may vary. Some features not available in all areas. Data rates may apply. See [google.com/5g/coverage](#) for info. <sup>ψ</sup> Estimated 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 on a major carrier network. Battery testing conducted in California in early 2022 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. <sup>1</sup> Compared to Pixel 6a. <sup>2</sup> Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See [google.com/5g/coverage](#) for more information. <sup>3</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>4</sup> Designed to comply with dust and water protection rating (IP) 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 [google.com/water](#) for details. <sup>5</sup> Measured diagonally; dimension may vary by configuration and manufacturing process.



# Comparison | Pixel lineup









	Pixel 6a MSRP \$449	Pixel 6 MSRP \$599	Pixel 6 Pro MSRP \$899
	 156 mm	 158.6 mm	 163.9 mm
	<b>Google Tensor</b>	<b>Google Tensor</b>	<b>Google Tensor</b>
	The Pixel experience on Android 12	The Pixel experience on Android 12	The Pixel experience on Android 12
	128 GB storage <sup>A</sup>	128 / 256 GB storage <sup>A</sup>	128 / 256 / 512 GB storage <sup>A</sup>
	6 GB RAM	8 GB RAM	12 GB RAM
	4410 mAh Adaptive Battery <sup>10</sup> + Extreme Battery Saver	4614 mAh Adaptive Battery <sup>10</sup> + Extreme Battery Saver	5003 mAh Adaptive Battery <sup>10</sup> + Extreme Battery Saver
	Fast charging up to 30W <sup>8</sup>	Fast charging up to 30W <sup>8</sup>	Fast charging up to 30W <sup>8</sup>
	N/A	Fast wireless charging up to 21W <sup>3</sup> + Battery Share <sup>*</sup>	Fast wireless charging up to 23W <sup>3</sup> + Battery Share <sup>*</sup>
	6.1" FHD+ OLED display <sup>®</sup> (up to 60Hz)	6.4" FHD+ OLED display <sup>®</sup> + Smooth Display (up to 90Hz) <sup>*</sup>	6.7" QHD+ LTPO OLED display <sup>®</sup> + Smooth Display (up to 120Hz) <sup>*</sup>
	6.3 oz (178 g)	7.3 oz (207 g)	7.4 oz (210 g)
	Live Translate <sup>‡</sup>	Live Translate <sup>‡</sup>	Live Translate <sup>‡</sup>
	12.2 MP wide + 12 MP ultrawide camera <sup>3</sup>	50 MP wide + 12 MP ultrawide camera <sup>3</sup>	50 MP wide + 12 MP ultrawide <sup>3</sup> + 48 MP telephoto (4x) camera
	8 MP front camera	8 MP front camera	11.1 MP ultrawide front camera (94° FOV) with 4K video recording <sup>3</sup>
	N/A	Laser autofocus	Laser autofocus
	Magic Eraser, <sup>Ⓞ</sup> Face Unblur, <sup>‡</sup> Real Tone	Motion Mode, Magic Eraser, <sup>Ⓞ</sup> Face Unblur, <sup>‡</sup> Real Tone	Motion Mode, Magic Eraser, <sup>Ⓞ</sup> Face Unblur, <sup>‡</sup> Real Tone
	Titan M2™ security chip	Titan M2™ security chip	Titan M2™ security chip
	Minimum 5 years of security updates <sup>Ⓞ</sup>	Minimum 5 years of security updates <sup>Ⓞ</sup>	Minimum 5 years of security updates <sup>Ⓞ</sup>
	Fingerprint Unlock	Fingerprint Unlock	Fingerprint Unlock
	5G mmWave + Sub 6GHz <sup>4</sup>	5G mmWave + Sub 6GHz <sup>4</sup>	5G mmWave + Sub 6GHz <sup>4</sup>
	Bluetooth <sup>®</sup> v5.2 with dual antennas + Wi-Fi 6E	Bluetooth <sup>®</sup> v5.2 with dual antennas + Wi-Fi 6E	Bluetooth <sup>®</sup> v5.2 with dual antennas + Wi-Fi 6E
	Water and dust resistant (IP67) <sup>Ⓞ</sup>	Water and dust resistant (IP68) <sup>Ⓞ</sup>	Water and dust resistant (IP68) <sup>Ⓞ</sup>

<sup>A</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>10</sup> Estimate of typical capacity based upon testing and expected cell behavior. <sup>8</sup> Wired charging rates up to 18W based on use of Google 30W USB-C™ or Google 18W USB-C™ Charger plugged into a wall outlet. Actual results may be slower. Adapters sold separately. Compatible with USB PD 3.0 PPS adapters. <sup>3</sup> Measured diagonally; dimension may vary by configuration and manufacturing process. <sup>4</sup> Not available in all languages or countries. Not available on all media or apps. See [google.com/5g](#) for more information. <sup>5</sup> Requires Google Photos app. Magic Eraser may not work on all image elements. <sup>6</sup> Deburring may not work on all photos or videos with force. <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. Updates may also include feature drops and other software updates. See [google.com/android/updates](#) for details. <sup>8</sup> Requires a 5G data plan (sold separately). 5G service not available on all carrier networks or in all areas. Contact carrier for details. 5G service, speed and performance depend on many factors including, but not limited to, carrier network capabilities, device configuration and capabilities, network traffic, location, signal strength and signal obstruction. Actual results may vary. Some features not available in all areas. Data rates may vary. See [google.com/5g](#) for details. <sup>9</sup> Designed to comply with dust and water protection rating IP67 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 [google.com/water](#) for details. <sup>10</sup> Wireless charging rates up to 21W (Pixel 6) and up to 23W (Pixel 6 Pro) charging with Qi-certified Google Pixel Stand (2nd gen) (sold separately). Actual results may be slower. <sup>11</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 [google.com/water](#) for details.



# Comparison | How Pixel 6a stands out



	 <b>Pixel 6a</b> <b>MSRP \$449</b>	 <b>iPhone SE</b> <b>MSRP \$429</b>	 <b>Samsung A53 5G</b> <b>MSRP \$349</b>
	156 mm	138.4 mm	159.4 mm
	Google Tensor 	A15 Bionic chip	Snapdragon 750G
	Android 12 	iOS 15	Android 
	128 GB storage <sup>1</sup>	64 / 128 / 256 GB storage	128 GB storage
	Fast charging <sup>5</sup>	Fast charging	Fast charging
	6 GB LPDDR5 RAM	4 GB RAM	6 GB RAM
	6.1" FHD+ OLED display <sup>6</sup>	4.7" HD LCD display	6.5" FHD+ Super AMOLED display
	60Hz max refresh rate	60Hz max refresh rate	120Hz max refresh rate
	Live Translate <sup>7</sup>	System-wide translation	Google Translate
	12.2 MP wide + 12 MP ultrawide camera <sup>3</sup>	12 MP wide	64 MP + 12 MP ultrawide + 5 MP macro + 5 MP depth
	8 MP front camera	7 MP front camera	32 MP front camera
	Magic Eraser, <sup>8</sup> Face Unblur, <sup>7</sup> Real Tone	N/A	N/A
	Titan M2™ security chip	Secure Enclave	Knox chip
	Minimum 5 years of security updates <sup>9</sup>	N/A	5 years of security updates
	Under-screen Fingerprint Unlock	Fingerprint sensor	Optical Fingerprint sensor (on-screen)
	Water and dust resistant (IP67) <sup>10</sup>	Water and dust resistant (IP67)	Water and dust resistant (IP67)

<sup>1</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>2</sup> Wired charging rates up to 18W based on use of Google 30W USB-C™ or Google 18W USB-C™ Charger plugged into a wall outlet. Actual results may be slower. Adapters sold separately. Compatible with USB PD 3.0 PPS adapters. <sup>3</sup> Measured diagonally; dimension may vary by configuration and manufacturing process. <sup>4</sup> Not available in all languages or countries. Not available on all media or apps. See [google.com/translate](#) for more information. Translation may not be instantaneous. <sup>5</sup> Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See [google.com/translate](#) for more information. <sup>6</sup> Requires Google Photos app. Magic Eraser may not work on all image elements. <sup>7</sup> Deblurring may not work on all photos or videos with faces. <sup>8</sup> Android security updates for at least 5 years from when the device first became available on the Google Store in the US. Updates may also include feature drops and other software updates. See [google.com/updates](#) for details. <sup>9</sup> Designed to comply with dust and water protection rating IP67 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 [google.com/water](#) for details. <sup>10</sup>



# Pixel 6a

## Tech Specs



### Dimensions and weight<sup>1</sup>

Height: 6.0 in (152.2 mm)

Width: 2.8 in (71.8 mm)

Depth: 0.35 in (8.9 mm)

Weight: 6.3 oz (178 g)

### Color

- Chalk
- Charcoal
- Sage

### Display

Full screen 6.1-inch FHD+ OLED display<sup>2</sup>

1080 x 2400 at 429 ppi, 20:9 aspect ratio

>1,000,000:1 contrast ratio

HDR support

Full 24-bit depth for 16 million colors

Up to 60Hz

### Battery and charging

Minimum 4306 mAh

Typical 44106 mAh<sup>10</sup>

Fast charging with Google 30W USB-C<sup>9</sup>

Charger with USB-PD 3.0 (PPS) sold separately<sup>8</sup>

### Ports

USB Type-C<sup>9</sup> 3.1 Gen 1

Dual SIM (Single Nano SIM and eSIM)<sup>7</sup>

### OS

Launched with Android™ 12

### Camera

12.2 MP dual pixel wide camera

1.4 μm, *f*/1.7, 77° FOV, 1/2.55"

Super Res Zoom up to 7x<sup>b</sup>

12 MP ultrawide camera<sup>3</sup>

1.25 μm, *f*/2.2, 114° FOV

OIS (optical image stabilization)

8 MP front camera

1.12 μm, *f*/2.0, 84° FOV

### Video

Rear camera – Up to 4K @ 60 FPS

Front camera – Up to 1080p @ 30 FPS

Slo-mo video support up to 240 FPS

Optical image stabilization

Fused video stabilization

4K Cinematic Pan and locked video stabilization

1080p active video stabilization

Digital zoom up to 5x

HEVC (H.265) and AVC (H.264)

Stereo recording, Speech enhancement, and Wind noise reduction

### Sensors

Proximity sensor

Ambient light sensor

Accelerometer

Gyrometer

Magnetometer

Barometer

### Memory and storage

6 GB LPDDR5 RAM

128 GB UFS 3.1 storage<sup>4</sup>

### Processor

Google Tensor

### Security

Security core

Titan M2™ security coprocessor

Minimum 5 years of security updates<sup>5</sup>

### Authentication

Fingerprint Unlock with under-display

fingerprint sensor

Pattern, PIN, password

### Connectivity

Wi-Fi 6 (802.11ax) and 6E (6GHz) with MIMO

Bluetooth<sup>6</sup> v5.2 with dual antennas

NFC

### Materials

Corning<sup>®</sup> Gorilla<sup>®</sup> Glass 3™ cover glass

3D thermoformed composite back

Tactile alloy frame

IP67 dust and water resistance<sup>11</sup>

Fingerprint-resistant coating

### Warranty

[US/CA/JP/TW/SG/IN] 1-year limited warranty (details in box). For help, visit

[g.co/pixel/support](https://g.co/pixel/support).

[UK/DE/FR/IE/AU/ES/IT/DK/NO/SE/NL] 2-year limited warranty (details in box). For help, visit

[g.co/pixel/support](https://g.co/pixel/support).

<sup>1</sup> Dimensions and weight vary by configuration and manufacturing process. <sup>2</sup> Measured diagonally; dimension may vary by configuration and manufacturing process. <sup>3</sup> Estimate of typical capacity based upon testing and expected cell behavior. <sup>4</sup> Estimate of typical capacity based upon testing and expected cell behavior. <sup>5</sup> Wired charging rates up to 18W based on use of Google 30W USB-C<sup>9</sup> or Google 18W USB-C<sup>9</sup> Charger plugged into a wall outlet. Actual results may be slower. Adapters sold separately. Compatible with USB PD 3.0 PPS adapters. <sup>6</sup> Feature is carrier dependent. Not supported by all carriers or in all countries. Contact carrier for details. <sup>7</sup> Not available for all camera apps or modes. <sup>8</sup> Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See [g.co/pixel/settings](https://g.co/pixel/settings) for more information. <sup>9</sup> Storage specifications refer to capacity before formatting. Actual formatted capacity will be less. <sup>10</sup> Android security updates for at least 5 years from when the device first became available on the Google Store in the US. Updates may also include feature drops and other software updates. See [g.co/androidupdates](https://g.co/androidupdates) for details. <sup>11</sup> Designed to comply with dust and water protection rating IP67 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/warranty](https://g.co/pixel/warranty) for details.



# Customers might ask...

## How good is the camera?

Pixel 6a's 12.2 MP dual pixel wide camera and 12 MP ultrawide camera are supported by Google Tensor's advanced custom image processing. Super Res Zoom up to 7x,<sup>b</sup> and a 114° ultrawide field of view lets you zoom right in or out.<sup>3</sup> 4K video recording at 60 FPS with optical and electronic image stabilization, with stereo recording, means clear, high-quality video.

## What's the difference between Pixel 6a and Pixel 6?

Pixel 6a is our most affordable phone with Google Tensor, but it still shares many features with Pixel 6 and Pixel 6 Pro, such as Magic Eraser,<sup>4</sup> Titan M2™, Real Tone, and more. Pixel 6 has a 50 MP camera, a 6.4-inch display, and Smooth Display (up to 90Hz).

## How long will Pixel 6a last? Is it durable?

An IP67-rating makes Pixel 6a resistant to water and dust.<sup>5</sup> Google delivers year-round updates to bring the latest features and improvements to Pixel, including software updates to your camera, battery, and more.<sup>6</sup> Your phone will keep getting better over time, helping to reduce e-waste.

## What is Pixel 6a's battery life like?

Pixel 6a's all-day battery is designed to last beyond 24 hours,<sup>7</sup> even on 5G.<sup>4</sup> Extreme Battery Saver can extend the all-day battery up to 72 hours by turning off some power-heavy features and pausing most apps.\*

## Are Pixel phones secure?

Pixel 6a has end-to-end security designed by Google and multiple layers of hardware security, including the Google Tensor security core and the Titan M2™ security coprocessor. There are also a minimum of 5 years of security updates,<sup>8</sup> anti-phishing and anti-malware protection, and automatic security checks and privacy controls with Security hub.

## What happens when Google stops delivering updates?

You will still be able to use your phone after the final update, but you won't receive any more security patches or OS versions.

## What sets Pixel apart from other phones?

Google Tensor is only available on Pixel phones, and only Pixel can give you access to features such as Magic Eraser<sup>4</sup> and Face Unblur<sup>2</sup> – amazing new experiences that require state-of-the-art machine learning.

## There's no charger in the box – will I need to buy one?

You can charge Pixel with an existing USB-C<sup>®</sup> 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>9</sup>

<sup>1</sup> Not available for all camera apps or modes. <sup>2</sup> Maximum resolution and field of view with RAW image files setting turned on. Setting is turned off by default. See [Google's help center](#) for more information. <sup>3</sup> Requires Google Photos app. Magic Eraser may not work on all image elements. <sup>4</sup> Designed to comply with dust and water protection rating IP67 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 [Google's help center](#) for details. <sup>5</sup> Your Pixel will receive feature drops during the applicable Android updates and support periods for the phone. See [Google's help center](#) for details. <sup>6</sup> 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 29 hours. Battery life depends upon many factors and usage of certain features will decrease battery life. Battery testing conducted in California in early 2022 on pre-production hardware and software, using default settings. Battery testing conducted using Sub-6GHz non-standalone 5G (NDC) connectivity. Actual battery life may be lower. <sup>7</sup> Requires a 5G data plan (sold separately). 5G service not available in all carrier networks or in all areas. Contact carrier for details. 5G service, speed and performance depend on many factors including, but not limited to, carrier network capabilities, device configuration and capabilities, network traffic, location, signal strength and signal obstruction. Actual results may vary. Some features not available in all areas. Data rates may apply. See [Google's help center](#) for info. <sup>8</sup> Estimated 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 on a major carrier network. Battery testing conducted in California in early 2022 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. <sup>9</sup> Android security updates for at least 5 years from when the device first became available on the Google Store in the US. Updates may also include feature drops and other software updates. See [Google's help center](#) for details. <sup>10</sup> Deburring may not work on all photos or videos with faces. <sup>11</sup> Wired charging rates up to 18W based on use of Google 30W USB-C<sup>®</sup> or Google 18W USB-C<sup>®</sup> Charger plugged into a wall outlet. Actual results may be slower. Adapters sold separately. Compatible with USB PD 3.0 PPS adapters.

The Bluetooth<sup>®</sup> word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. USB-C<sup>®</sup> is a trademark of USB Implementers Forum.