



# LG G7 ThinQ™

The LG G7 ThinQ™ has AI built into its core with superior hardware that guides a powerful, seamless experience all wrapped up in a stunning, striking design.

AI Cam | Google Lens | Boombox Speaker | 16 MP Dual Rear Cameras | Wide-Angle Lens | FullVision™ Screen | Durable Build



DISPLAY  
6.1" QHD+  
FullVision



CAMERAS  
Rear: 16 MP/16 MP  
Front: 8 MP



OS  
Android™ 8.0  
Oreo



PROCESSOR  
2.8 GHz  
Octa-Core



BATTERY  
3,000 mAh  
Non-Removable



MEMORY  
64 GB; RAM: 4 GB  
microSD™ Support

## Display



- Super Bright Display - 1000 nit brightness delivers full outdoor visibility even in direct sunlight<sup>1</sup>
- 6.1"<sup>2</sup> QHD+ Display, 564 ppi
- FullVision Display - 19.5:9 Aspect Ratio (3120 x 1440, including notch)
- New Second Screen - turn off FullVision mode for one continuous look on the top edge of the display

- Floating Bar - access app shortcuts and call notifications on a moveable/collapsible toolbar
- Always-On Display - time, date, and notifications always shown on a sleeping screen
- Palm Rejection - prevents accidental interactions on the touch screen

1 Compared to other LCD phones.

2 Actual Viewable area is less due to rounded corners and notch.

## Cameras



### DUAL REAR CAMERAS

- 16 MP Standard-Angle Lens f/1.6
  - Field of view: 71°
  - Image sensor: 1/3.1"
  - Resolution: up to 4656 x 3492 pixels (default); 1.0 µm pixel size
  - Glass Camera Lens - minimizes light dispersion for superior sharpness and color
  - 10-bit HDR Image Sensor - captures up to 211% more colors for improved accuracy
  - OIS+ and EIS
- 16 MP Wide-Angle Lens f/1.9 with LED Flash
  - Field of view: 107°
  - Image sensor: 1/3.1"
  - Resolution: up to 4656 x 3492 pixels (default); 1.0 µm pixel size
  - AI Cam - suggests the optimal effect and angle by automatically identifying what's in the shot
  - Google Lens - identifies text and real-life objects to instantly search Google® for information, reviews on the product or shop for the best price; also features QR Code reader option
  - Super Bright Camera - captures photos and videos that are four times as bright<sup>1</sup> in low light by combining 4 pixels into 1 super pixel
  - Live Photo - captures the 3 total seconds as a picture is taken for a short video clip with motion and sound
  - Portrait Mode - adjust background blur against a subject in focus
  - Manual Mode - adjust shutter speed, ISO, exposure, white balance, and more; save image as RAW (JPEG + DNG)

- Graphy 2.0<sup>2</sup> - select reference photos that automatically adjust Manual Mode settings
- Camera Modes: Food Mode, Panorama
- Camera Stickers (2D/3D) - personalize photos with a variety of pre-loaded stickers
- Film Effect - choose from 8 preset filters
- Quick Sharing Functionality - access sharing platforms instantly after taking pictures and videos
- HDR - controls contrast for photos
- Laser Auto Focus
- Zoom - up to 8x

### FRONT CAMERA

- 8 MP Lens f/1.9
- Resolution: up to 3264 x 2448 pixels (default)
- Full HD Video Recording
- Auto Shot - take a selfie with automatic face detection
- Gesture Shot - take a selfie with a simple hand gesture
- Gesture Interval Shot - take four selfies in sequence by making a fist twice
- Gesture View - transitions between camera mode and preview mode automatically
- Selfie Light - screen illuminates around the photo preview for well-lit selfies
- Beauty Shot - softens facial features

1 Compared to the LG G6®.

2 App download required.

## Video Recording



- 4K Video Recording at 30 FPS
- Resolution: up to 3840 x 2160 pixels (1920 x 1080 default)
- HDR10 Video Recording - life-like footage with a wider spectrum of colors that are richer and more accurate, and greater contrast between light and dark<sup>1</sup>
- Cine Effect - choose from 16 different color grading presets to add a cinematic look
- Point Zoom - zoom in on any selected area within the frame for more stability and control
- Steady Record 2.0 - record smoother, clearer videos on the move

- Video Manual Mode<sup>2</sup> - adjust audio focus, manual focus, white balance, frame rates, and more
- HD 120 FPS Slow Motion Video Recording
- Time-Lapse Video - record a video that plays back faster than normal
- Video Studio<sup>2</sup> - merge up to 50 photos or videos; trim and add title/text, background music, and theme effect overlays

1 Compared to the LG G6.

2 Not available with some camcorder settings.

## Audio



- Boombox Speaker - design's inner space functions as a resonance chamber combined with a 39% larger speaker and greater sound levels<sup>1</sup> for louder, boosted sound
- Super Far-Field Voice Recognition (FFVR) - improved voice recognition picks up commands better<sup>2</sup> in noisy environments from nearly 17' away
- Wind Noise Filter - minimize wind noise during video recording
- DTS-X Virtual Surround Sound - provides a deep 3D stereo audio experience<sup>3</sup>
- RAM (Receiver as Mic) - 2 analog mics combine with the phone's receiver to improve sound clarity while recording in loud environments
- HD Audio Recorder - capture high-quality sound with the ability to record over a separate audio track; choose between Normal, Concert, and Custom modes

- Hi-Fi Video Recorder - 2 high AOP mics record with higher-quality sound<sup>4</sup>
- 32-Bit Hi-Fi Quad DAC - Digital-to-Analog Converter (DAC) for crisp, full sound through wired headphones
- Sound Preset - select custom options to achieve different sound experiences
- Digital Filter - choose from Short, Sharp, and Slow to change the Sound Filter characteristics in DAC
- Hi-Fi Streaming - MQA decoder enables high resolution audio to be packaged in a small size

1 Compared to the LG G6.

2 Compared to conventional voice recognition.

3 Wired headphones or speakers required.

4 Available only in Manual Mode.

## Design & Durability



- Google Assistant Key - launches AI assistant, press and hold to skip introductory 'Hey Google', double-click to access Google Lens
- Premium Aluminum Metal Sides
- Rear Key with Fingerprint ID
- Size: 6.03" (H) x 2.83" (W) x 0.31" (D)
- Weight: 5.71 oz.
- IP68 Dust and Water Resistant<sup>1</sup>
- Shock Resistant with MIL-STD-810G Testing<sup>2</sup>

- Corning® Gorilla® Glass 5 Protection on Front, Back, and Camera
- Heat Pipe - absorbs and moves heat away from the processor to further minimize the risk of overheating

1 Tested under controlled laboratory conditions with a rating of IP68 under IEC standard 60529 (Water resistant up to 1.5 meters for 30 minutes). If the product gets wet, use a clean, soft cloth to dry it thoroughly.  
2 Compliant with a military standards test (MIL-STD-810G Method 516.6, Procedure IV "Transit Drop"). Device may not perform as tested in all conditions. Test performed in controlled environment. Do not attempt.

## Experience



### SECURITY

- Fingerprint ID - gain access to your phone, make mobile payments, and secure content<sup>1</sup>
- Voice Recognition - unlock or turn on the screen with a user-defined keyword (3-5 words or phrase)
- Face Recognition - unlock screen with facial scan
- Google Smart Lock - keep phone unlocked when connected to trusted devices or in trusted places
- Knock Code® - create a 6- to 10-point pattern for direct access to the home screen

### PRODUCTIVITY

- QuickMemo®+ - choose paper style, pen size/color, add text, and more
- Capture+ - write or draw on nearly any screen and schedule memos to appear at certain times or locations
- Smart Cleaning® - phone diagnosis for improved performance
- Power Saving Mode - restricts apps in background
- LG Health<sup>2</sup> - fitness app tracks daily activity
- QSlide - overlay two windows; adjust size and transparency
- Dual Window - use two apps simultaneously on a split screen

### CONVENIENCE

- Google Assistant with LG Integration - intelligent personal assistant now performs 32 LG-exclusive device-specific tasks such as taking wide-angle selfies or performing a visual search
- Emotional Haptic Function - vibration alerts the user when AI functionality has detected something
- Barge-in - recognizes "hey google" commands while audio is playing
- App Scaling - set view to Original, 16:9, 16:7:9, and Full Screen 19.5:9
- Shortcut Keys - quick access to Capture+ or Camera
- Comfort view - decreases amount of blue light on the screen
- Screen Color - adjust settings for Normal, Best for movies, Best for photos, Best for web, Custom, or Enhanced video color
- Mini View - shrink the screen for one-handed use
- Knock On® - double tap the screen to put your phone to sleep/wake it

1 Features and capabilities may vary by carrier.

2 This device and related software is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment or prevention of disease. Consult a doctor before starting an exercise program.

## Entertainment



- Google Daydream - a virtual reality (VR) platform
- Game Tools - use take a break function, take a screenshot, scale app, or adjust resolution and frame rate
- Accelerometer - control games by turning and tilting\*
- Video Player with Touch Lock, Live Zooming, Play on Lock Screen, Video Screenshot, and Resume Play Functions; supports PS, MPG, MPEG, TS, M2TS, MP4, M4V, 3GP, 3G2, MOV, WebM, MKV, AVI, FLV, ASF, and WMV
- Customizable Video Screen Ratio, Subtitle Settings, Playback Speed, and Video Auto-Close Function

- Music Player - supports WAV, ARM, AWB, MP2, MP3, AAC, FLAC, AC3, MIDI, OGG, DSF, DFF, AIFF, AIF, WMA, and MKA Formats
- QTag - gallery searches are simplified with automatic tagging and album creation
- LG Music App - organized by folders, songs, albums, artists, genres, and playlists

\* Only available on certain interactions with the touch screen.

## Connectivity



- 4G LTE Network<sup>1</sup>
- Technology: LTE, CDMA, GSM, UMTS
- Frequencies: LTE Bands 1/2/3/4/5/7/8/12/13/17/20/25/26/40/41; CDMA Band Class 0/1/10; GSM 850/900/1800/1900 MHz; UMTS Bands 1/2/4/5/8
- Data Transmission: LTE Carrier Aggregation, HSPA+, HSDPA, HSUPA, 1xRTT, EVDO, EVDO Rev A, GSM
- Mobile Hotspot<sup>2</sup> - share a 4G LTE data connection with up to 8 wireless devices<sup>3</sup>
- Bluetooth® Wireless Technology Version 5.0
- Supported Bluetooth Profiles: A2DP, AVRCP, DI, ScPP, GAVDP, HDP, HFP, HID, HSP, MAP, OPP, PAN, PBAP, SPP, HOGP
- Wi-Fi® Standards: 802.11 a/b/g/n/ac
- Wi-Fi Direct® - connect directly to devices

- USB<sup>4</sup> and Bluetooth Tethering<sup>2</sup> - share your Internet connection
- Android Beam (NFC) - share contacts, web pages, and more
- Media Server - allow nearby devices to access content
- Screen Sharing (Miracast®) - wirelessly mirror device screen
- HD Voice<sup>5</sup> Capable
- MIDI Device - connect to musical instruments via USB<sup>4</sup>
- MirrorLink<sup>®4</sup> - connect to a MirrorLink-capable car to share your screen and apps
- S-GPS, A-GPS, and Qualcomm® Service for Enhanced Location Accuracy

1 4G LTE Network not available everywhere.

2 Carrier service required. Product features subject to change. Features based on carrier program availability. Additional charges may apply.

3 Depends on network availability. Additional carrier charges may apply.

4 USB cable required (included).

5 HD Voice required on both caller and receiver devices.

## Power & Performance



- Platform: Android 8.0 (Oreo)
- LG UX 7.0
- Processor: Qualcomm Snapdragon™ 845 up to 2.8 GHz x 4 + 1.7 GHz x 4 Octa-Core SDM845
- Battery Capacity: 3,000 mAh Non-Removable
- Talk Time: 23 hours<sup>1</sup>
- Qualcomm Quick Charge™ 3.0
- USB Type-C™ Charging Port

- Wireless Charging with Compatible Dock<sup>2</sup>
- Internal Memory: 64 GB<sup>3</sup>
- Supports microSD card up to 2 TB (cards sold separately)
- RAM: 4 GB
- Rated for Hearing Aids: M4, T3

1 Actual time may vary depending on network connectivity and application use.

2 Wireless charger sold separately.

3 Usable memory varies depending on software version and settings.

## LG Accessories



- USB Type-C Cable (Quick Charge 3.0 Charger)\*
- Bluetooth Stereo Headset (LG TONE FREE,™ LG TONE Studio,™ LG TONE TRIUMPH,™ LG TONE PLATINUM,™ LG TONE INFINIM,™ LG TONE Active+,™ LG TONE Active,™ LG TONE ULTRA,™ LG TONE PRO,™)

\* Included with phone.