

# iPhone 8 and 8 Plus



## Colors

- Gold, Silver, Space Gray

## Capacity

- 64GB
- 256GB

## Display

- iPhone 8
  - Retina HD display
  - 4.7-inch (diagonal) widescreen LCD Multi-Touch display with IPS technology
  - 1334-by-750-pixel resolution at 326 ppi
  - 1400:1 contrast ratio (typical)
- iPhone 8 Plus
  - Retina HD display
  - display with IPS technology
  - 1920-by-1080-pixel resolution at 401 ppi
  - 1300:1 contrast ratio (typical)
- Both models

- True Tone display
- Wide color display (P3)
- 3D Touch
- 625 cd/m2 max brightness (typical)
- Dual-domain pixels for wide viewing angles
- Fingerprint-resistant oleophobic coating
- Support for display of multiple languages and characters simultaneously
- Display Zoom
- Reachability

## Chip

- A11 Bionic chip with 64-bit architecture
- Neural Engine
- Embedded M11 motion coprocessor

## Camera

- iPhone 8
  - 12MP camera
  - f/1.8 aperture
  - Digital zoom up to 5x
- iPhone 8 Plus
  - 12MP wide-angle and telephoto cameras
  - Wide-angle: f/1.8 aperture
  - Telephoto: f/2.8 aperture
  - Optical zoom; digital zoom up to 10x
  - Portrait mode
  - Portrait Lighting (beta)
- Both models:
  - Optical image stabilization
  - Six-element lens
  - Quad-LED True Tone flash with Slow Sync
  - Panorama (up to 63MP)
  - Sapphire crystal lens cover
  - Backside illumination sensor
  - Hybrid IR filter
  - Autofocus with Focus Pixels
  - Tap to focus with Focus Pixels
  - Live Photos with stabilization
  - Wide color capture for photos and Live Photos
  - Improved local tone mapping
  - Body and face detection
  - Exposure control
  - Noise reduction
  - Auto HDR for photos

- Auto image stabilization
- Burst mode
- Timer mode
- Photo geotagging
- Image formats captured: HEIF and JPEG

#### Video Recording

- 4K video recording at 24 fps, 30 fps, or 60 fps
- 1080p HD video recording at 30 fps or 60 fps
- 720p HD video recording at 30 fps
- Optical image stabilization for video
- Optical zoom; 6x digital zoom (iPhone 8 Plus only)
- Quad-LED True Tone flash
- Slo-mo video support for 1080p at 120 fps or 240 fps
- Time-lapse video with stabilization
- Cinematic video stabilization (1080p and 720p)
- Continuous autofocus video
- Body and face detection
- Noise reduction
- Take 8MP still photos while recording 4K video
- Playback zoom
- Video geotagging
- Video formats recorded: HEVC and H.264

#### FaceTime HD Camera

- 7MP camera
- 1080p HD video recording
- Retina Flash
- f/2.2 aperture
- Wide color capture for photos and Live Photos
- Auto HDR
- Backside illumination sensor
- Body and face detection
- Auto image stabilization
- Burst mode
- Exposure control
- Timer mode

#### Touch ID

- Fingerprint sensor built into the Home button Pay

#### Apple Pay

- Pay with your iPhone using Touch ID in stores, within apps, and on the web

- Complete purchases made with Apple Pay on your Mac
- Receive and redeem rewards using rewards cards

#### Location

- Assisted GPS, GLONASS, Galileo, and QZSS
- Digital compass
- Wi-Fi
- Cellular
- iBeacon microlocation
- Learn more about Apple Pay

#### Power & Battery

- iPhone 8
  - Lasts about the same as iPhone 7
  - Talk time (wireless):
    - Up to 14 hours
  - Internet use:
    - Up to 12 hours
  - Video playback (wireless):
    - Up to 13 hours
  - Audio playback (wireless):
    - Up to 40 hours
  - Fast-charge capable:
    - Up to 50% charge 30 minutes
- iPhone 8 Plus
  - Lasts about the same as iPhone 7 Plus
  - Talk time (wireless):
    - Up to 21 hours
  - Internet use:
    - Up to 13 hours
  - Video playback (wireless):
    - Up to 14 hours
  - Audio playback (wireless):
    - Up to 60 hours
  - Fast-charge capable:
    - Up to 50% charge 30 minutes
- Both models:
  - Built-in rechargeable lithium-ion battery
  - Wireless charging (works with Qi chargers )
  - Charging via USB to computer system or power adapter
  - Fast-charge capable

#### Sensors

- Touch ID fingerprint sensor
- Barometer
- Three-axis gyro
- Accelerometer
- Proximity sensor
- Ambient light sensor

#### Operating System

- iOS 11
- With new features and capabilities that let you get more done quickly and easily,
- iOS 11 makes iPhone more powerful, personal, and intelligent than ever.
- Power and
- Battery8
- 9 9
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