

## What's in the Box?

- Refurbished iPad mini with Wi-Fi + Cellular
- Lightning to USB Cable
- USB Power Adapter
- Documentation

## Tech Specs

### Processor

- Dual-core Apple A5 chip

### Display

- 7.9-inch (diagonal) LED-backlit Multi-Touchdisplay with IPS technology
- 1024-by-768 resolution at 163 pixels per inch (ppi)
- Fingerprint-resistant oleophobic coating

### Power and Battery

- Built-in 16.3-watt-hour rechargeable lithium-polymer battery
- Up to 10 hours<sup>1</sup> of surfing the web on Wi-Fi, watching video, or listening to music
- Up to 9 hours<sup>1</sup> of surfing the web using cellular data network
- Charging via power adapter or USB to computer system

### Input and Output

- Lightning connector
- 3.5-mm stereo headphone minijack
- Built-in speaker
- Microphone
- Nano-SIM card tray

### Audio Playback

- Frequency response: 20Hz to 20,000Hz
- Audio formats supported: AAC (8 to 320 Kbps), Protected AAC (from iTunes Store), HE-AAC, MP3 (8 to 320 Kbps), MP3 VBR, Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+), Apple Lossless, AIFF, and WAV
- User-configurable maximum volume limit

### Sensors

- Accelerometer
- Ambient light sensor
- Gyroscope

### Camera, Photos, and Video

- **FaceTime HD Camera:**
  - 1.2MP photos
  - 720p HD video
  - FaceTime video calling over Wi-Fi or cellular<sup>2</sup>
  - Face detection
  - Backside illumination
- **Photo and video geotagging**
- **iSight Camera:**
  - 5MP photos
  - Autofocus
  - Face detection
  - Backside illumination
  - Five-element lens
  - Hybrid IR filter
  - *f*/2.4 aperture
  - Tap to focus video or still images
  - Tap to control exposure for video or still images
  - Photo and video geotagging
- **Video Recording:**
  - 1080p HD video recording
  - Video stabilization
  - Face detection
  - Tap to focus while recording

- Backside illumination

### Wireless

- 802.11a/b/g/n Wi-Fi (802.11n 2.4GHz and 5GHz), Bluetooth 4.0 wireless technology
- Model A1454: GSM/EDGE (850, 900, 1800, 1900 MHz), UMTS/HSPA+/DC-HSDPA (850, 900, 1900, 2100 MHz), LTE (Bands 4 and 17)
- Model A1455: CDMA EV-DO Rev. A and Rev. B (800, 1900, 2100 MHz), GSM/EDGE (850, 900, 1800, 1900 MHz), UMTS/HSPA+/DC-HSDPA (850, 900, 1900, 2100 MHz)
- LTE (Bands 1, 3, 5, 13, 25), Data only<sup>3</sup>

### TV and Video

- AirPlay video streaming to Apple TV (3rd generation) at up to 1080p and Apple TV (2nd generation) at up to 720p
- Video mirroring and video out support: Up to 720p through Lightning Digital AV Adapter and Lightning to VGA Adapter; video playback up to 1080p (adapters sold separately)
- Video formats supported: H.264 video up to 1080p, 30 frames per second, High Profile level 4.1 with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; MPEG-4 video up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Simple Profile with AAC-LC audio up to 160 Kbps per channel, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; Motion JPEG (M-JPEG) up to 35 Mbps, 1280 by 720 pixels, 30 frames per second, audio in ulaw, PCM stereo audio in .avi file format

### Mail Attachment Support

- Viewable document types: .jpg, .tiff, .gif (images); .doc and .docx (Microsoft Word); .htm and .html (web pages); .key (Keynote); .numbers (Numbers); .pages (Pages); .pdf (Preview and Adobe Acrobat); .ppt and .pptx (Microsoft PowerPoint); .txt (text); .rtf (rich text format); .vcf (contact information); .xls and .xlsx (Microsoft Excel)

### Languages

- Language support for English (U.S.), English (UK), Chinese (Simplified), Chinese (Traditional), French, German, Italian, Japanese, Korean, Spanish, Arabic, Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hebrew, Hungarian, Indonesian, Malay, Norwegian, Polish, Portuguese, Portuguese (Brazil), Romanian, Russian, Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese
- Keyboard support for English (U.S.), English (Australian), English (Canadian), English (UK), Chinese – Simplified (Handwriting, Pinyin, Stroke), Chinese – Traditional (Handwriting, Pinyin, Zhuyin, Cangjie, Stroke), French, French (Canadian), French (Switzerland), German (Germany), German (Switzerland), Italian, Japanese (Romaji, Kana), Korean, Spanish, Arabic, Bulgarian, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Emoji, Estonian, Finnish, Flemish, Greek, Hawaiian, Hebrew, Hindi, Hungarian, Icelandic, Indonesian, Latvian, Lithuanian, Macedonian, Malay, Norwegian, Polish, Portuguese (Portugal), Portuguese (Brazil), Romanian, Russian, Serbian (Cyrillic/Latin), Slovak, Swedish, Thai, Tibetan, Turkish, Ukrainian, Vietnamese
- Dictionary support (enables predictive text and autocorrect) for English (U.S.), English (Australian), English (Canadian), English (UK), Chinese – Simplified (Handwriting, Pinyin, Stroke), Chinese – Traditional (Handwriting, Pinyin, Zhuyin, Cangjie, Stroke), French, French (Canadian), French (Switzerland), German (Germany), German (Switzerland), Italian, Japanese (Romaji, Kana), Korean, Spanish, Arabic, Bulgarian, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Estonian, Finnish, Flemish, Greek, Hawaiian, Hebrew, Hindi, Hungarian, Icelandic, Indonesian, Latvian, Lithuanian, Macedonian, Malay, Norwegian, Polish, Portuguese (Portugal), Portuguese (Brazil), Romanian, Russian, Serbian (Cyrillic/Latin), Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese
- Siri language support for English (U.S., UK, Canada, Australia), Spanish (U.S., Mexico, Spain), French (France, Canada, Switzerland), German (Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Cantonese (Hong Kong)

### Location

- Assisted GPS and GLONASS
- Cellular
- Digital compass
- Wi-Fi

### Accessibility

- VoiceOver screen reader
- Guided Access
- Support for playback of closed-captioned content
- AssistiveTouch interface for adaptive accessories
- Full-screen zoom magnification

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- Large text
- Option to invert colors
- Left/right volume adjustment

#### Size and weight

- Height: 7.87 inches (200 mm)
- Width: 5.3 inches (134.7 mm)
- Depth: 0.28 inch (7.2 mm)
- Weight: 0.69 pound (312 g)<sup>4</sup>

#### System Requirements

- Apple ID (required for some features)
- Internet access<sup>5</sup>
- Syncing with iTunes on a Mac or PC requires:
  - Mac: OS X v10.6.8 or later
  - PC: Windows 7; Windows Vista; or Windows XP Home or Professional with Service Pack 3 or later
  - iTunes 10.7 or later (free download from [www.apple.com/itunes/download](http://www.apple.com/itunes/download))<sup>5</sup>

#### Environmental Requirements

Operating ambient temperature: 32° to 95° F (0° to 35° C), Nonoperating temperature: –4° to 113° F (–20° to 45° C), and Relative humidity: 5% to 95% non-condensing. iPad mini embodies Apple's continuing environmental progress. It is designed with the following features to reduce environmental impact:

- Mercury-free LCD display
- Arsenic-free display glass
- BFR-free
- PVC-free
- Recyclable aluminium enclosure

