

# Technical Specifications

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

- Height: **4.5 inches** (115.5 mm)
- Width: **2.4 inches** (62.1 mm)
- Depth: **0.48 inch** (12.3 mm)
- Weight: **4.7 ounces** (133 grams)



## Color

- 8GB model: Black
- 16GB model: Black or white



## Capacity<sup>2</sup>

- 8GB or 16GB flash drive

## Cellular and wireless

- UMTS/HSDPA (850, 1900, 2100 MHz)
- GSM/EDGE (850, 900, 1800, 1900 MHz)
- Wi-Fi (802.11b/g)
- Bluetooth 2.0 + EDR

## GPS

- Assisted GPS

## In the box

- iPhone 3G
- Stereo Headset with mic
- Dock Connector to USB Cable
- USB Power Adapter
- Documentation
- Cleaning/polishing cloth
- SIM eject tool



## Display

- 3.5-inch (diagonal) widescreen Multi-Touch display
- 480-by-320-pixel resolution at 163 ppi
- Support for display of multiple languages and characters simultaneously



## Audio

- Frequency response: 20Hz to 20,000Hz
- Audio formats supported: AAC, Protected AAC, MP3, MP3 VBR, Audible (formats 1, 2, and 3), Apple Lossless, AIFF, and WAV
- User-configurable maximum [volume limit](#)

## Headphones

- Stereo earphones with built-in microphone
- Frequency response: 20Hz to 20,000Hz
- Impedance: 32 ohms



## Video

Video formats supported: H.264 video, up to 1.5 Mbps, 640 by 480 pixels, 30 frames per second, Low-Complexity version of the H.264 Baseline Profile with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; H.264 video, up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Baseline Profile up to Level 3.0 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, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats



## Camera and photos

- 2.0 megapixels
- Photo geotagging
- iPhone and third-party application integration



## Language support

- Language support for English, French, German, Japanese, Dutch, Italian, Spanish, Portuguese, Danish, Finnish, Norwegian, Swedish, Korean, Simplified Chinese, Traditional Chinese, Russian, and Polish
- International keyboard and dictionary support for English (U.S.), English (UK), French (France), French (Canada), German, Japanese, Dutch, Italian, Spanish, Portuguese (Portugal), Portuguese (Brazil), Danish, Finnish, Norwegian, Swedish, Korean (no dictionary), Simplified Chinese, Traditional Chinese, Russian, and Polish

## Connectors and input/output



## External buttons and controls



## Sensors

- Accelerometer
- Proximity sensor
- Ambient light sensor

## Power and battery

- Built-in rechargeable lithium-ion battery<sup>3</sup>
- Charging via USB to computer system or power adapter
- Talk time:<sup>4</sup>
  - Up to 5 hours on 3G
  - Up to 10 hours on 2G
- Standby time: Up to 300 hours<sup>5</sup>
- Internet use:
  - Up to 5 hours on 3G<sup>4</sup>
  - Up to 6 hours on Wi-Fi<sup>7</sup>
- Video playback: Up to 7 hours<sup>6</sup>
- Audio playback: Up to 24 hours<sup>9</sup>



## Mac system requirements

- Mac computer with USB 2.0 port
- Mac OS X v10.4.10 or later
- iTunes 7.7 or later

## Windows system requirements

- PC with USB 2.0 port
- Windows Vista; or Windows XP Home or Professional with Service Pack 2 or later
- iTunes 7.7 or later

## Environmental requirements

- Operating temperature: 32° to 95° F (0° to 35° C)
- Nonoperating temperature: -4° to 113° F (-20° to 45° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum operating altitude: 10,000 feet (3000 m)