

# iPod touch (5th generation) – Technical Specifications

## Size and Weight



- **Height:** 4.86 inches (123.4 mm)
- **Width:** 2.31 inches (58.6 mm)
- **Depth:** 0.24 inch (6.1 mm)
- **Weight:** 3.10 ounces (88 grams)<sup>1</sup>

## Capacity<sup>2</sup>

- 32GB
- 64GB

## Wireless<sup>3</sup>

- 802.11a/b/g/n Wi-Fi (802.11n 2.4GHz and 5GHz)
- Bluetooth 4.0
- Maps: Location-based service<sup>4</sup>
- Nike+ support built in<sup>5</sup>

## Display

- 4-inch (diagonal) widescreen display with Multi-Touch IPS technology
- Retina display

- 1136-by-640-pixel resolution at 326 pixels per inch
- 800:1 contrast ratio (typical)
- 500 cd/m<sup>2</sup> max brightness (typical)
- Fingerprint-resistant oleophobic coating

### **Camera, Photos, and Video**

- 5-megapixel iSight camera
- Autofocus
- Tap to focus video or still images
- Backside illumination
- Hybrid IR filter
- Five-element lens
- LED flash
- $f/2.4$  aperture
- Face detection
- Panorama
- HDR
- HD video recording (1080p) up to 30 frames per second with audio
- FaceTime HD camera with 1.2MP photos and HD video (720p) up to 30 frames per second
- Video stabilization
- Tap to control exposure for video or stills
- Photo and video geotagging over Wi-Fi

### **Input and Output**

- Lightning connector
- 3.5-mm stereo headphone jack
- Built-in speaker
- Microphone

### **External Buttons and Connectors**

- External Buttons and Controls



- Connectors and Input/Output

### Power and Battery<sup>6</sup>

- Built-in rechargeable lithium-ion battery
- Music playback time: Up to 40 hours when fully charged
- Video playback time: Up to 8 hours when fully charged
- Charging times: Fast charge in about 2 hours (80% capacity), full charge in about 4 hours

### 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

### **TV and Video**

- H.264 video up to 720p, 30 frames per second, Main Profile level 3.1 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
- AirPlay Mirroring to Apple TV support at 720p
- AirPlay video streaming to Apple TV (3rd generation) at up to 1080p and Apple TV (2nd generation) at up to 720p

### **Headphones**

- Apple EarPods



### **Sensors**

- Three-axis gyro
- Accelerometer

### **System Requirements**

- Apple ID (required for some features)
- Internet access
- 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<sup>7</sup> (free download from [www.itunes.com/download](http://www.itunes.com/download))

### **Environmental Requirements**

- Operating ambient 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)

### **Languages**

#### **Language Support**

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**

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**

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 Languages**

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)