iPhone 4S

Color	White	Black

Capacity[1]	16GB	32GB	64GB
Price[2]	$199	$299	$399

Size and Weight[3]

Height: 4.5 inches (115.2 mm)

Width: 2.31 inches (58.6 mm)

Depth: 0.37 inch (9.3 mm)

Weight: 4.9 ounces (140 grams)

0.37 inch
9.3 mm

2.31 inches
58.6 mm

4.5 inches
115.2 mm

Cellular and Wireless

- World phone
- UMTS/HSDPA/HSUPA (850, 900, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)
- CDMA EV-DO Rev. A (800, 1900 MHz)[4]
- 802.11b/g/n Wi-Fi (802.11n 2.4GHz only)
- Bluetooth 4.0 wireless technology

Location

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

Display

- Retina display
- 3.5-inch (diagonal) widescreen Multi-Touch display
- 960-by-640-pixel resolution at 326 ppi
- 800:1 contrast ratio (typical)
- 500 cd/m2 max brightness (typical)
- Fingerprint-resistant oleophobic coating on front and back
- Support for display of multiple languages and characters simultaneously

Camera, Photos, and Video

- 8-megapixel camera
- Autofocus
- Tap to focus
- Face detection in still images
- LED flash
- Video recording, HD (1080p) up to 30 frames per second with audio
- Video stabilization
- Front camera with VGA-quality photos and video at up to 30 frames per second
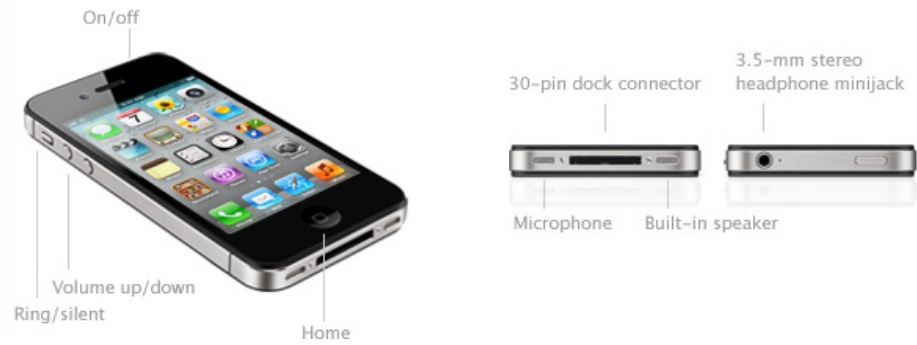- Photo and video geotagging

External Buttons and Connectors

External Buttons and Controls

Connectors and Input/Output

On/off

30-pin dock connector

3.5-mm stereo
headphone minijack

Microphone   Built-in speaker

Volume up/down
Ring/silent

Home

Power and Battery[5]

- Built-in rechargeable lithium-ion battery
- Charging via USB to computer system or power adapter
- Talk time: Up to 8 hours on 3G, up to 14 hours on 2G (GSM)
- Standby time: Up to 200 hours
- Internet use: Up to 6 hours on 3G, up to 9 hours on Wi-Fi
- Video playback: Up to 10 hours
- Audio playback: Up to 40 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

- AirPlay Mirroring to Apple TV support at 720p
- Video mirroring and video out support: Up to 1080p with Apple Digital AV Adapter or Apple VGA Adapter (adapters sold separately)
- Video out support at 576p and 480p with Apple Component AV Cable; 576i and 480i with Apple Composite AV Cable (cables 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

Headphones

- Apple Earphones with Remote and Mic

- Frequency response: 20Hz to 20,000Hz
- Impedance: 32 ohms

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)
Sensors	- Three-axis gyro - Accelerometer - Proximity sensor - Ambient light sensor
System Requirements	- Apple ID (required for some features) - Internet access[6] - Syncing with iTunes on a Mac or PC requires: - Mac: OS X v10.5.8 or later - PC: Windows 7; Windows Vista; or Windows XP Home or Professional with Service Pack 3 or later - iTunes 10.5 or later (free download from www.itunes.com/download)
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)
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 (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, Portuguese (Brazil), Romanian, Russian, Serbian (Cyrillic/Latin), Slovak, Swedish, Thai, Tibetan, Turkish, Ukrainian, Vietnamese

Dictionary Support (enables predictive text and autocorrect)
English (U.S.), English (UK), Chinese (Simplified), Chinese (Traditional), French, French (Canadian), French (Switzerland), German, Italian, Japanese (Romaji, Kana), Korean, Spanish, Arabic, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Estonian, Finnish, Flemish, Greek, Hawaiian, Hebrew, Hindi, Hungarian, Indonesian, Latvian, Lithuanian, Malay, Norwegian, Polish, Portuguese, Portuguese (Brazil), Romanian, Russian, Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

Siri Languages
English (U.S., UK, and Australian), French, German

In the Box

- iPhone 4S
- Apple Earphones with Remote and Mic
- Dock Connector to USB Cable
- USB Power Adapter
- Documentation

iPhone and the Environment

Apple takes a complete product life cycle approach to determining our environmental impact. Learn more

iPhone 4S embodies Apple's continuing environmental progress. It is designed with the following features to reduce environmental impact:

- Mercury-free LED-backlit display
- Arsenic-free display glass
- Brominated flame retardant-free
- PVC free
- Majority of packaging made from post-consumer recycled fiberboard and biobased materials
- Power adapter outperforms strictest global energy efficiency standards

Apple and the Environment
Learn more about Apple's dedication to reducing the environmental impact of our products and process. Apple Product Environmental Reports detail the environmental attributes of our products.

Recycling
Apple takes a holistic view of materials management and waste minimization. Learn more about how to recycle your iPhone.

Accessories

Apple In-Ear Headphones with Remote and Mic
Engineered for extreme clarity and audio accuracy, these headphones let you hear musical details you've been missing. View

Apple USB Power Adapter
Use this ultracompact USB-based adapter to charge your iPhone whenever it's not connected to a computer. View

Apple iPhone Bumpers
Made of durable rubber and molded plastic, the two-tone iPhone Bumper fits snugly around the edges of iPhone 4S and iPhone 4. And adds a splash of color. View

Other Accessories
iPhone 4 Dock
iPhone 4 Dock Inserts
Apple Dock Connector to USB Cable
Apple Earphones with Remote and Mic
Apple Digital AV Adapter
Apple VGA Adapter
iPhone TTY Adapter
Apple Component AV Cable
Apple Composite AV Cable
AirPort Extreme Base Station
Nike + iPod Sensor
World Travel Adapter Kit

See more accessories in the
Apple Online Store

1. 1GB = 1 billion bytes; actual formatted capacity less.

2. Requires new two-year wireless service contract; sold separately to qualified customers. Credit check required; must be 18 or older. Wireless service is provided by and is the sole responsibility of your wireless service provider. Wireless service and some wireless features are not available in all areas. Some features may require added fees. When available, transferring your mobile number to a different service provider will terminate your service with your existing provider; termination fees and other charges may apply. The iPhone model you purchase is subject to your wireless service provider's policies, which may include restrictions on switching service providers and roaming, even after conclusion of any required minimum service contract. Contact your wireless service provider for more details. Availability of cellular capabilities depends on the wireless network. Service may not be available in all areas or at the signal strength, rates, speeds, or bandwidth as demonstrated. Customers who want to upgrade from another phone or replace a previous-generation iPhone should check with their wireless service provider for pricing options. For those who are not qualified customers, are not eligible for an early upgrade, are purchasing an unlocked iPhone (for supported GSM wireless service provider networks only), or wish to buy an iPhone as a gift, see your carrier, an Apple Retail Store Specialist, the Apple Online Store, or an Apple Authorized Reseller for pricing. In CA, MA, and RI, sales tax is collected on the unbundled price of iPhone. Wi-Fi Internet access required for some features; wireless broadband recommended; fees may apply. Use constitutes acceptance of Apple's software license agreement, warranty, and third-party terms located in the iPhone box. Warranty information is also available at www.apple.com/legal/warranty/iphone. Unauthorized modification of your iPhone software violates the software license agreement. Inability to use an iPhone due to unauthorized modifications is not covered under your warranty.

3. Actual size and weight vary by configuration and manufacturing process.

4. CDMA available only if iPhone 4S is sold and activated for use on a CDMA network.

5. All battery claims depend on network configuration and many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced by Apple service provider. Battery life and charge cycles vary by use and settings. See www.apple.com/batteries and www.apple.com/iphone/battery.html for more information.

6. Wireless broadband recommended; fees may apply

Some features, applications, and services are not available in all areas. See your carrier for details. Application availability and pricing are subject to change.