

iPhone SE

Tech Specs



Black, White, (PRODUCT)^{RED}

Capacity

64GB

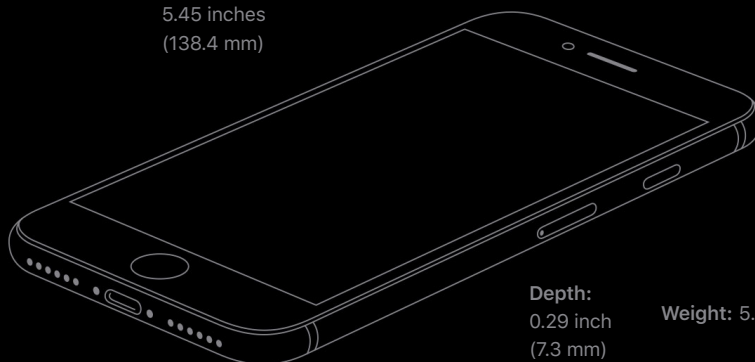
128GB

256GB

Size and Weight

Height:
5.45 inches
(138.4 mm)

Width:
2.65 inches
(67.3 mm)



Depth:
0.29 inch
(7.3 mm)

Weight: 5.22 ounces (148 grams)

Splash, Water, and Dust Resistant

Rated IP67 (maximum depth of 1 meter up to 30 minutes) under IEC standard 60529

Camera

12MP Wide camera
 $f/1.8$ aperture
Digital zoom up to 5x
Portrait mode with advanced bokeh and Depth Control
Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono)
Optical image stabilization
Six-element lens
LED True Tone flash with Slow Sync
Panorama (up to 63MP)
Sapphire crystal lens cover
Autofocus with Focus Pixels
Wide color capture for photos and Live Photos
Next-generation Smart HDR for photos
Advanced red-eye correction
Auto image stabilization
Burst 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
Extended dynamic range for video up to 30 fps
Optical image stabilization for video
Digital zoom up to 3x
LED True Tone flash
QuickTake video
Slo-mo video support for 1080p at 120 fps or 240 fps
Time-lapse video with stabilization
Cinematic video stabilization (4K, 1080p, and 720p)
Continuous autofocus video
Take 8MP still photos while recording 4K video
Playback zoom
Video formats recorded: HEVC and H.264
Stereo recording

Front Camera

7MP camera
ƒ/2.2 aperture
Portrait mode with advanced bokeh and Depth Control
Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono)
1080p HD video recording at 30 fps
Retina Flash
QuickTake video
Wide color capture for photos and Live Photos
Auto HDR for photos
Auto image stabilization
Burst mode
Cinematic video stabilization (1080p and 720p)

Touch ID

Fingerprint sensor built into the Home button

Apple Pay

Pay with your iPhone using Touch ID in stores, within apps, and on the web
Send and receive money in Messages
Complete purchases made with Apple Pay on your Mac

Apple Card

Credit card created by Apple, designed for iPhone
Use the Wallet app to apply for, manage, and use Apple Card
Pay with Apple Pay using Touch ID in stores, within apps, and on the web
Titanium, laser-etched physical credit card for use where Apple Pay is not accepted yet

Chip

A13 Bionic chip
Third-generation Neural Engine

Cellular and Wireless

Model A2275*

FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 29, 30, 66, 71)

TD-LTE (Bands 34, 38, 39, 40, 41, 42, 46, 48)
CDMA EV-DO Rev. A (800, 1900 MHz)
UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)
GSM/EDGE (850, 900, 1800, 1900 MHz)

All models

Gigabit-class LTE with 2x2 MIMO and LAA⁴
802.11ax Wi-Fi 6 with 2x2 MIMO
Bluetooth 5.0 wireless technology
NFC with reader mode
Express Cards with power reserve

Location

Built-in GPS/GNSS
Digital compass
Wi-Fi
Cellular
iBeacon microlocation

Video Calling

FaceTime video calling over Wi-Fi or cellular

Audio Calling

FaceTime audio
Voice over LTE (VoLTE)
Wi-Fi calling

Audio Playback

Audio formats supported: AAC-LC, HE-AAC, HE-AAC v2, Protected AAC, MP3, Linear PCM, Apple Lossless, FLAC, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), and Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+)
Stereo playback
User-configurable maximum volume limit

Video Playback

Video formats supported: HEVC, H.264, MPEG-4 Part 2, and Motion JPEG
Supports Dolby Vision and HDR10 content
AirPlay Mirroring, photos, and video out to Apple TV (2nd generation or later)⁶
Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)

Siri

Use your voice to send messages, set reminders, and more

Get intelligent suggestions on your Lock screen and in Messages, Mail, QuickType, and more

Activate hands-free with only your voice using “Hey Siri”

Use your voice to run shortcuts from your favorite apps

Display

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)

True Tone display

Wide color display (P3)

Haptic Touch

625 nits max brightness (typical)

Fingerprint-resistant oleophobic coating

Display Zoom

Reachability

Headphones

EarPods with Lightning Connector

SIM Card

Dual SIM (nano-SIM and eSIM)

iPhone SE is not compatible with existing micro-SIM cards.

Power and Battery

Lasts about the same as iPhone 8

Video playback:

Up to 13 hours

Video playback (streamed):

Up to 8 hours

Audio playback:

Up to 40 hours

Fast-charge capable:

Up to 50% charge in 30 minutes⁹ with 18W adapter or higher (sold separately)

Built-in rechargeable lithium-ion battery

Wireless charging (works with Qi chargers)
Charging via USB to computer system or power adapter

Sensors

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

Operating System

iOS 13
iOS is the world's most personal and secure mobile operating system, packed with powerful features that help you get the most out of every day.

Accessibility

Accessibility features help people with disabilities get the most out of their new iPhone SE. With built-in support for vision, hearing, mobility, and learning, you can fully enjoy the world's most personal device.

Features include:

- Voice Control
- VoiceOver
- Zoom
- Magnifier
- RTT and TTY support
- Siri and Dictation
- Type to Siri
- Switch Control
- Closed Captions
- AssistiveTouch
- Speak Screen

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

Operating altitude: tested up to 10,000 feet (3000 m)

System Requirements

Apple ID (required for some features)

Internet access

Syncing to a Mac or PC requires:

- macOS Catalina 10.15 using the Finder
- macOS El Capitan 10.11.6 through macOS Mojave 10.14.6 using iTunes 12.8 or later
- Windows 7 or later using iTunes 12.10 or later

In the Box

iPhone with iOS 13
EarPods with Lightning Connector
Lightning to USB Cable
USB Power Adapter
Documentation