

iPhone 12 mini

iPhone 12

Finish



Black, White, **(PRODUCT)RED**, Green, Blue

Ceramic Shield front
Glass back and aluminum design



Black, White, **(PRODUCT)RED**, Green, Blue

Ceramic Shield front
Glass back and aluminum design

Capacity

64GB

128GB

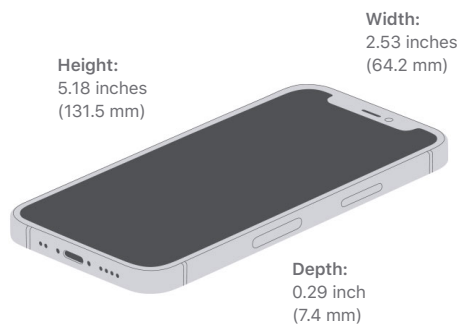
256GB

64GB

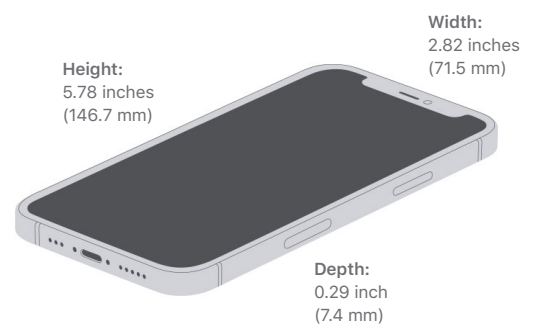
128GB

256GB

Size and Weight



Weight: 4.76 ounces (135 grams)



Weight: 5.78 ounces (164 grams)

Display



Super Retina XDR display
5.4-inch (diagonal) all-screen OLED display
2340-by-1080-pixel resolution at 476 ppi

The iPhone 12 mini display has rounded corners that follow a beautiful curved design, and these corners are within a standard rectangle. When measured as a standard rectangular shape, the screen is 5.42 inches diagonally (actual viewable area is less).



Super Retina XDR display
6.1-inch (diagonal) all-screen OLED display
2532-by-1170-pixel resolution at 460 ppi

The iPhone 12 display has rounded corners that follow a beautiful curved design, and these corners are within a standard rectangle. When measured as a standard rectangular shape, the screen is 6.06 inches diagonally (actual viewable area is less).

Both models:

HDR display

True Tone

Wide color (P3)

Haptic Touch

2,000,000:1 contrast ratio (typical)

625 nits max brightness (typical); 1200 nits max brightness (HDR)

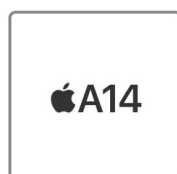
Fingerprint-resistant oleophobic coating

Support for display of multiple languages and characters simultaneously

Splash, Water, and Dust Resistant

Rated IP68 (maximum depth of 6 meters up to 30 minutes) under IEC standard 60529

Chip



A14 Bionic chip

Next-generation Neural Engine

Camera

Dual 12MP camera system: Ultra Wide and Wide cameras
Ultra Wide: $f/2.4$ aperture and 120° field of view
Wide: $f/1.6$ aperture
2x optical zoom out
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 (Wide)
Five-element lens (Ultra Wide); seven-element lens (Wide)
Brighter True Tone flash with Slow Sync
Panorama (up to 63MP)
Sapphire crystal lens cover
100% Focus Pixels (Wide)
Night mode (Ultra Wide, Wide)
Deep Fusion (Ultra Wide, Wide)
Smart HDR 3 with Scene Detection
Wide color capture for photos and Live Photos
Lens correction (Ultra Wide)
Advanced red-eye correction
Auto image stabilization
Burst mode
Photo geotagging
Image formats captured: HEIF and JPEG

Video Recording

HDR video recording with Dolby Vision up to 30 fps
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
Optical image stabilization for video (Wide)
2x optical zoom out
Digital zoom up to 3x
Audio zoom
Brighter True Tone flash
QuickTake video
Slo-mo video support for 1080p at 120 fps or 240 fps
Time-lapse video with stabilization
Night mode Time-lapse
Extended dynamic range for video up to 60 fps
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

TrueDepth Camera

12MP camera

$f/2.2$ aperture

Portrait mode with advanced bokeh and Depth Control

Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono)

Animoji and Memoji

Night mode

Deep Fusion

Smart HDR 3 with Scene Detection

HDR video recording with Dolby Vision up to 30 fps

4K video recording at 24 fps, 30 fps, or 60 fps

1080p HD video recording at 30 fps or 60 fps

Slo-mo video support for 1080p at 120 fps

Time-lapse video with stabilization

Night mode Time-lapse

Extended dynamic range for video up to 30 fps

Cinematic video stabilization (4K, 1080p, and 720p)

QuickTake video

Wide color capture for photos and Live Photos

Lens correction

Retina Flash

Auto image stabilization

Burst mode

Face ID

Enabled by TrueDepth camera for facial recognition

Apple Pay

Pay with your iPhone using Face ID in stores, within apps, and on the web

Send and receive money in Messages

Complete purchases made with Apple Pay on your Mac

Pay for your ride using Express Transit

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 Face ID in stores, within apps, and on the web

Titanium, laser-etched physical credit card for use where Apple Pay is not accepted yet

Cellular and Wireless

Model A2172	<p>5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n66, n71, n77, n78, n79)</p> <p>5G NR mmWave (Bands n260, n261)</p> <p>FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 66, 71)</p> <p>TD-LTE (Bands 34, 38, 39, 40, 41, 42, 46, 48)</p> <p>CDMA EV-DO Rev. A (800, 1900 MHz)</p> <p>UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)</p> <p>GSM/EDGE (850, 900, 1800, 1900 MHz)</p>
Model A2176	<p>5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n66, n71, n77, n78, n79)</p> <p>5G NR mmWave (Bands n260, n261)</p> <p>FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 66, 71)</p> <p>TD-LTE (Bands 34, 38, 39, 40, 41, 42, 46, 48)</p> <p>CDMA EV-DO Rev. A (800, 1900 MHz)</p> <p>UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)</p> <p>GSM/EDGE (850, 900, 1800, 1900 MHz)</p>
All models	<p>5G (sub-6 GHz and mmWave)</p> <p>Gigabit LTE with 4x4 MIMO and LAA</p> <p>Wi-Fi 6 (802.11ax) with 2x2 MIMO</p> <p>Bluetooth 5.0 wireless technology</p> <p>Ultra Wideband chip for spatial awareness</p> <p>NFC with reader mode</p> <p>Express Cards with power reserve</p>

Location

Built-in GPS, GLONASS, Galileo, QZSS, and BeiDou

Digital compass

Wi-Fi

Cellular

iBeacon microlocation

Video Calling

FaceTime video calling over cellular or Wi-Fi
FaceTime HD (1080p) video calling over 5G or Wi-Fi

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), Dolby Atmos, and Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+)
Spatial audio playback
User-configurable maximum volume limit

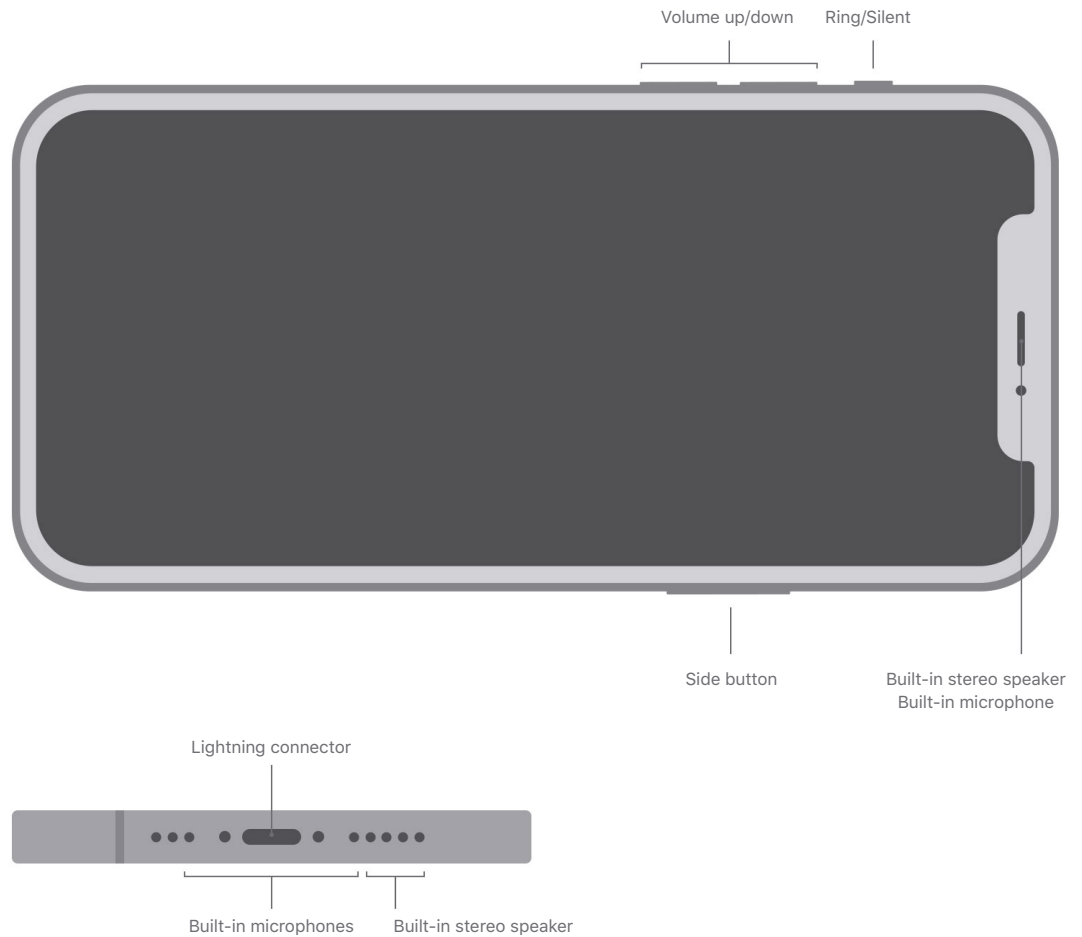
Video Playback

Video formats supported: HEVC, H.264, MPEG-4 Part 2, and Motion JPEG
HDR with Dolby Vision, HDR10, and HLG
Up to 4K HDR AirPlay for mirroring, photos, and video out to Apple TV (2nd generation or later) or AirPlay 2-enabled smart TV
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

External Buttons and Connectors



Power and Battery

Video playback:
Up to 15 hours

Video playback (streamed):
Up to 10 hours

Audio playback:
Up to 50 hours

Video playback:
Up to 17 hours

Video playback (streamed):
Up to 11 hours

Audio playback:
Up to 65 hours

Both models:

Built-in rechargeable lithium-ion battery

MagSafe wireless charging up to 15W

Qi wireless charging up to 7.5W

Charging via USB to computer system or power adapter

Fast-charge capable: Up to 50% charge in 30 minutes with 20W adapter or higher (sold separately)

MagSafe

Wireless charging up to 15W

Magnet array

Alignment magnet

Accessory Identification NFC

Magnetometer

Sensors

Face ID
Barometer
Three-axis gyro
Accelerometer
Proximity sensor
Ambient light sensor

Operating System

iOS 14
iOS is the world's most personal and secure mobile operating system, packed with powerful features and designed to protect your privacy.

Accessibility

Accessibility features help people with disabilities get the most out of their new iPhone. 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
 - Back Tap
-

SIM Card

Dual SIM (nano-SIM and eSIM)
iPhone 12 and iPhone 12 mini are not compatible with existing micro-SIM cards.

Rating for Hearing Aids

M3, T4

System Requirements

Apple ID (required for some features)

Internet access

Syncing to a Mac or PC requires:

- macOS Catalina 10.15 or later 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 12.10.10 or later
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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)

In the Box

iPhone with iOS 14

USB-C to Lightning Cable

Documentation