

Tech Specs MHDA3LZ/A

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Capacity

64GB⁴

128GB⁴

256GB⁴

Processor

A13 Bionic chip

Third-generation Neural Engine

Display

Liquid Retina HD display

6.1-inch (diagonal) all-screen LCD Multi-Touch display with IPS technology

1792-by-828-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

Support for display of multiple languages and characters simultaneously

The iPhone 11 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).

Splash, Water, and Dust Resistant

Rated IP68 (maximum depth of 2 meters up to 30 minutes) under IEC standard 60529³

Power and Battery

Lasts up to 1 hour longer than iPhone XR¹³

Video playback: Up to 17 hours

Video playback (streamed): Up to 10 hours

Audio playback: Up to 65 hours

Fast-charge capable: Up to 50% charge in 30 minutes⁴ with 18W adapter or higher (sold separately)

Built-in rechargeable lithium-ion battery

Wireless charging (works with Qi chargers¹⁵)

Charging via USB to computer system or power adapter

Input/Output

Volume up/down

Ring/Silent

Side button

Built-in stereo speakers

Lightning connector
Built-in microphones

SIM Card

Dual SIM (nano-SIM and eSIM)⁸
iPhone 11 is not compatible with existing micro-SIM cards

Video Calling

FaceTime video calling over Wi-Fi or cellular⁹

Audio Calling

FaceTime audio⁹
Voice over LTE (VoLTE)¹⁰
Wi-Fi calling¹⁰

Audio

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

Sensors

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

FaceTime HD 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
4K video recording at 24 fps, 30fps, or 60 fps
1080p HD video recording at 30 fps or 60 fps
Slo-mo video support for 1080p at 120 fps
Next-generation Smart HDR for photos
Extended dynamic range for video at 30 fps
Cinematic video stabilization (4K, 1080p, and 720p)
Wide color capture for photos and Live Photos
Retina Flash
Auto image stabilization
Burst mode
Camera

Dual 12MP Ultra Wide and Wide cameras
Ultra Wide: $f/2.4$ aperture and 120° field of view
Wide: $f/1.8$ 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); six-element lens (Wide)
Brighter True Tone flash with Slow Sync
Panorama (up to 63MP)
Sapphire crystal lens cover
100% Focus Pixels (Wide)
Night mode
Auto Adjustments
Next-generation Smart HDR for photos
Wide color capture for photos and Live 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 60 fps
Optical image stabilization for video (Wide)
2x optical zoom out; digital zoom up to 3x
Audio zoom
Brighter True Tone flash
QuickTake video with subject tracking
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

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

Cellular and Wireless

Model A2221¹

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)

Gigabit-class LTE with 2x2 MIMO and LAA⁵

802.11ax Wi-Fi 6 with 2x2 MIMO

Bluetooth 5.0 wireless technology

Ultra Wideband chip for spatial awareness⁶

NFC with reader mode

Express Cards with power reserve

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)¹¹

Video mirroring and video out support: Up to 1080p through Lightning Digital

AV Adapter and Lightning to VGA Adapter (adapters sold separately)¹¹

Intelligent Assistant

Siri¹²- 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

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); .zip; .ics; .usdz (USDZ Universal)

Languages

Language support: English (Australia, UK, U.S.), Chinese (Simplified, Traditional, Traditional Hong Kong), French (Canada, France), German, Italian, Japanese, Korean, Spanish (Latin America, Spain), Arabic, Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hebrew, Hindi, Hungarian, Indonesian, Malay, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

QuickType keyboard support: English (Australia, Canada, India, Singapore, UK, U.S.), Chinese - Simplified (Handwriting, Pinyin QWERTY, Pinyin 10 Key, Shuangpin, Stroke), Chinese - Traditional (Cangjie, Handwriting, Pinyin QWERTY, Pinyin 10 Key, Shuangpin, Stroke, Sucheng, Zhuyin), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese (Kana, Romaji), Korean (2-Set, 10 Key), Spanish (Latin America, Mexico, Spain), Albanian, Arabic (Modern Standard, Najdi), Armenian, Assamese, Azerbaijani, Bangla, Belarusian, Bodo, Bulgarian, Burmese, Cantonese - Traditional (Cangjie, Handwriting, Stroke, Sucheng), Catalan, Cherokee, Croatian, Czech, Danish, Dhivehi, Dogri, Dutch, Emoji, Estonian, Faroese, Filipino, Finnish, Flemish, Georgian, Greek, Gujarati, Hawaiian, Hebrew, Hindi (Devanagari, Latin, Transliteration), Hungarian, Icelandic, Indonesian, Irish, Kannada, Kashmiri (Arabic, Devanagari), Kazakh, Khmer, Konkani (Devanagari), Kurdish (Arabic, Latin), Kyrgyz, Lao, Latvian, Lithuanian, Macedonian, Maithili (Bangla), Malay (Arabic, Latin), Malayalam, Maltese, Manipuri (Bangla, Meetei Mayek), Maori, Marathi, Mongolian, Nepali, Norwegian, Odia, Pashto, Persian, Polish, Portuguese (Brazil, Portugal), Punjabi, Romanian, Russian, Sanskrit, Santali (Devanagari, Ol Chiki), Serbian (Cyrillic, Latin), Sindhi (Arabic, Devanagari), Sinhala, Slovak, Slovenian, Swahili, Swedish, Tajik, Tamil (Anjal, Tamil 99), Telugu, Thai, Tibetan, Tongan, Turkish, Turkmen, Ukrainian, Urdu, Uyghur, Uzbek (Arabic, Cyrillic, Latin), Vietnamese, Welsh

QuickType keyboard support with predictive input: English (Australia, Canada, India, Singapore, UK, U.S.), Chinese (Simplified, Traditional), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese, Korean, Spanish (Latin America, Mexico, Spain), Arabic (Najdi), Cantonese (Traditional), Dutch, Hindi (Devanagari, Latin), Portuguese (Brazil, Portugal), Russian, Swedish, Thai, Turkish, Vietnamese

Siri languages: English (Australia, Canada, India, Ireland, New Zealand, Singapore, South Africa, UK, U.S.), Spanish (Chile, Mexico, Spain, U.S.), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (China mainland, Taiwan), Cantonese (China mainland, Hong Kong), Arabic (Saudi Arabia, United Arab Emirates), Danish (Denmark), Dutch (Belgium, Netherlands), Finnish (Finland), Hebrew (Israel), Malay (Malaysia), Norwegian (Norway), Portuguese (Brazil), Russian (Russia), Swedish (Sweden), Thai (Thailand), Turkish (Turkey)

Dictation languages: English (Australia, Canada, India, Indonesia, Ireland, Malaysia, New Zealand, Philippines, Saudi Arabia, Singapore, South Africa, United Arab Emirates, UK, U.S.), Spanish (Argentina, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Panama, Paraguay, Peru, Spain, Uruguay, U.S.), French (Belgium, Canada, France, Luxembourg, Switzerland), German (Austria, Germany,

Luxembourg, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (China mainland, Taiwan), Cantonese (China mainland, Hong Kong, Macao), Arabic (Kuwait, Qatar, Saudi Arabia, United Arab Emirates), Catalan, Croatian, Czech, Danish, Dutch (Belgium, Netherlands), Finnish, Greek, Hebrew, Hindi (India), Hungarian, Indonesian, Malaysian, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Shanghainese (China mainland), Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

Definition dictionary support: English, Chinese (Simplified, Traditional), French, German, Italian, Japanese, Korean, Spanish, Danish, Dutch, Hebrew, Hindi, Norwegian, Portuguese, Russian, Swedish, Thai, Turkish

Thesaurus: English (UK, U.S.)

Bilingual dictionary support with English: Arabic, Chinese (Simplified, Traditional), French, German, Italian, Japanese, Spanish, Korean, Dutch, Hindi, Portuguese, Russian, Thai, Vietnamese

Spell check: English, French, German, Italian, Spanish, Danish, Dutch, Finnish, Korean, Norwegian, Polish, Portuguese, Russian, Swedish, Turkish

Location

Built-in GPS/GNSS

Cellular

Digital compass

iBeacon microlocation

Wi-Fi

Accessibility

Accessibility features help people with disabilities get the most out of their new iPhone 11. 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

Size and Weight

Height: 5.94 inches (150.9 mm)¹⁶

Width: 2.98 inches (75.7 mm)¹⁶

Depth: 0.33 inch (8.3 mm)¹⁶

Weight: 6.84 ounces (194 grams)¹⁶

