

MD1X4AF/A

iPhone 16e 512GB Black, Model A3409

Brand: APPLE

Warranty: 12 month(s)

Technical Specification

Basic Information

Article	MD1X4AF/A
Vendor	APPLE
Series	iPhone 16e
Product Type	iPhone

Display

Display Size	6.10"
Display Resolution	1170x2532
Brightness	800 cd/m ²
Image Contrast	2 000 000:1
Pixel Density	460 ppi
Display Technology	OLED
Display Touchscreen	Capacitive, Haptic Touch
Display Features	Fingerprint-resistant oleophobic coating, Display Zoom, Wide color display (P3), True Tone display, HDR, Super Retina XDR Display, 1200 nits max brightness (HDR), Ceramic Shield, Reachability

Processor

CPU	Apple A18
CPU Core Quantity	6

Memory

Internal Memory Size	512 GB
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Camera

Camera Resolution	48 Mpixel
Video Record	3840x2160
Video Frame rate	24 fps , 25 fps , 30 fps , 60 fps , 120 fps , 240 fps

Camera System	<p>Sapphire crystal lens cover</p> <p>Photonic Engine</p> <p>48MP Fusion: 26 mm, <i>f</i>/1.6 aperture, optical image stabilization, Hybrid Focus Pixels, super-high-resolution photos (24MP and 48MP)</p> <p>Also enables 12MP 2x Telephoto: 52 mm, <i>f</i>/1.6 aperture, optical image stabilization, Hybrid Focus Pixels</p>
Camera Photo Features	<p>Auto image stabilization</p> <p>Burst mode</p> <p>Wide color capture for photos and Live Photos</p> <p>Portrait Lighting with Six Effects</p> <p>Night Mode</p> <p>Photo Geotagging</p> <p>Digital Zoom up to 10x</p> <p>Deep Fusion</p> <p>Panorama (up to 63MP)</p> <p>Photographic Styles</p> <p>Advanced red-eye correction</p> <p>Smart HDR 5</p>
Camera Video Features	<p>Optical Image Stabilization for Video</p> <p>Audio Zoom</p> <p>Continuous Autofocus Video</p> <p>Time-lapse Video with Stabilization</p> <p>Playback Zoom</p> <p>Night Mode Time-lapse</p> <p>QuickTake Video</p> <p>Take 8MP Still Photos While Recording 4K Video</p> <p>Cinematic video stabilization (4K, 1080p, and 720p)</p> <p>Slomo video support for 1080p at 120 fps or 240 fps</p> <p>Digital zoom up to 6x</p> <p>Spatial Audio and stereo recording</p> <p>Wind noise reduction</p> <p>Audio Mix</p> <p>4K Dolby Vision video recording at 24 fps, 25 fps, 30 fps or 60 fps</p> <p>1080p Dolby Vision video recording at 25 fps, 30 fps or 60 fps</p> <p>720p Dolby Vision video recording at 30 fps</p>
Flash	True Tone
Front Camera	12 Mpixel
Front Flash	Retina Flash
Front Camera Features	<p>Auto image stabilization</p> <p>Burst mode</p> <p>Autofocus with Focus Pixels</p> <p>Wide color capture for photos and Live Photos</p> <p>Portrait Lighting with Six Effects</p> <p>Night Mode</p> <p>Time-lapse Video with Stabilization</p> <p>Animoji and Memoji</p> <p>Deep Fusion</p> <p>Night Mode Time-lapse</p> <p>Photographic Styles</p> <p>QuickTake Video</p> <p><i>f</i>/1.9 Aperture</p> <p>Cinematic video stabilization (4K, 1080p, and 720p)</p> <p>Slomo video support for 1080p at 120 fps</p> <p>Photonic Engine</p> <p>Smart HDR 5</p>

Lens correction
4K Dolby Vision video recording at 24 fps, 25 fps, 30 fps or 60 fps
1080p Dolby Vision video recording at 25 fps, 30 fps or 60 fps
Spatial Audio and stereo recording
Portrait mode with Depth Control
Wind noise reduction
Audio Mix

Interfaces

Bluetooth	Bluetooth 5.3
Wi-Fi	IEEE 802.11ax Wi-Fi 6
Data Interface	USB 2 Type C
NFC	Yes

Network

Bands	GSM/EDGE (850, 900, 1800, 1900 MHz), 5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n26, n28, n30, n38, n40, n41, n48, n53, n66, n70, n75, n76, n77, n78, n79), FDDLTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 30, 32, 66), TDLTE (Bands 34, 38, 39, 40, 41, 42, 48, 53), UMTS/HSPA+ (850, 900, 1700/2100, 1900, 2100 MHz)
GPS	GPS, GLONASS, iBeacon, Digital compass, BeiDou, Galileo, QZSS, Wi-Fi, NAVIC, Mobile data

Battery

Battery Technology	Lithium Ion
Video Playback Time	26 Hours
Audio Playback Time	90 Hours

Miscellaneous

Construction	Monoblock
Material	Glass, Aluminium, Ceramic
External Color	Black
SIM Card	Dual Sim
SIM Card Type	Nano-SIM + eSIM
Sensors	Proximity Sensor, Barometer, Face ID, High Dynamic Range Gyro, High-g Accelerometer, Dual Ambient Light Sensors
Features	Fast-charge Apple Pay Express Cards with Power Reserve

FaceTime Audio
16-core Neural Engine
4-core GPU
2 performance and 4 efficiency cores
Spatial audio
Voice Isolation and Wide Spectrum Microphone Modes
Screen Sharing
Portrait mode in FaceTime Video
Share experiences like movies, TV, music and other apps in a FaceTime call with SharePlay
Zoom with rearfacing camera
Voice over LTE (VoLTE)
WiFi calling
Userconfigurable maximum volume limit
Emergency SOS via satellite
Crash Detection
FaceTime HD (1080p) video calling over 5G or Wi-Fi
FaceTime video calling over Wi-Fi or a mobile network
Up to 4K HDR AirPlay for mirroring, photos and video out to Apple TV (2nd generation or later) or AirPlay-enabled smart TV
Roadside Assistance via satellite
Messages via satellite
Find My via satellite
Apple Intelligence
Supports Dolby Vision, HDR10+/HDR10 and HLG

Included Accessories

USB-C Charge Cable (1 m), iPhone, Documentation

Software

Platform

iOS

Operating System Version

iOS 18

Voice Assistant

Installed Voice Assistant

Siri

Voice Assistant Languages

Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Swedish, Turkish, Norwegian, Mandarin Chinese, Cantonese, Arabic, Hebrew, Malay, Thai

Voice Assistant Features

Send messages, set reminders, and more by voice command
Voice activation
Music control
Siri Shortcuts show up right on your Lock screen
Add Shortcuts to the frequently used apps
Machine learning

Multimedia

Supported Audio Formats

MP3, AAC, FLAC, Apple Lossless, Dolby Atmos, Dolby Digital, Dolby Digital Plus

Supported Picture Formats

GIF, TIFF, JPEG, HEIF

Supported Video Formats

H.264, HEVC, AV1

Supported Documents Formats

DOC, PDF, TXT, DOCX, PPT, PPTX, RTF, XLS, XLSX, HTM, HTML, KEY, NUMBERS, PAGES, VCF, ZIP, ICS, USDZ

Dimensions & Weight Device

Height	146.7 mm
Width	71.5 mm
Depth	7.8 mm
Weight	0.167 kg

Environment

Maximum Operating Ambient Temperature	35 °C
Maximum Non-Operating Ambient Temperature	45 °C
Minimum Operating Ambient Temperature	0 °C
Minimum Non-Operating Ambient Temperature	-20 °C
Submersion Tightness	6 m
Submersion Time	0.5 hr
Max. Altitude Operating	3000 m

Warranty

Warranty Products Returnable	Yes
Warranty Term (month)	12 month(s)
Warranty Validation Criteria	Serial Number

Logistic

Pack Weight Brutto (kg)	0.321 kg
Pack Weight Netto (kg)	0.3049 kg
Pieces in pack	1
Box Weight Brutto (kg)	0.321 kg
Packs in Box	1
Package Type	Retail

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