

Apple iPhone 14(MPUF3ZD/A)

Apple iPhone 14 - 5G smartphone - dual-SIM / Internal Memory 128 GB - OLED display - 6.1" - 2532 x 1170 pixels - 2x rear cameras 12 MP, 12 MP - front camera 12 MP - midnight



iPhone 14 features the sizes - 6.1 inches in a sophisticated design with impressive camera upgrades and groundbreaking safety capabilities. iPhone 14 takes stunning photos and video with a powerful camera system featuring main and front TrueDepth cameras, the ultra wide camera for unique perspectives, and Photonic Engine - an enhanced image pipeline. This model includes the A15 Bionic chip with a 6-core GPU, which offers incredible performance and efficiency for demanding workloads, and is designed with privacy and security built in. iPhone 14 has critical safety capabilities such as crash detection and emergency SOS via satellite. And with amazing battery life, good durability features, and super-fast 5G, this iPhone lineup is more advanced than ever before.

Key Selling Points

- A beautiful and durable design with amazing battery life
- Powerful camera upgrades enabled by Photonic Engine
- Crash detection and emergency SOS via satellite
- A15 Bionic brings incredible performance
- Powerful connection capabilities
- Designed to minimize their impact on the environment

Product Features

A beautiful and durable design with amazing battery life

With the popular 6.1-inch size, iPhone 14 features a durable and sleek aerospace-grade aluminum design. It has an updated internal design for better thermal performance, gorgeous Super Retina XDR display with OLED technology that supports 1200 nits of peak HDR brightness, a 2,000,000:1 contrast ratio, and Dolby Vision. iPhone 14 also features the durable Ceramic Shield front cover - exclusive to iPhone and tougher than any other smartphone glass - and are protected from common spills and accidents with water and dust resistance.

Powerful camera upgrades enabled by Photonic Engine

iPhone 14 has a better standard for photo and video capture with a 12 MP main camera featuring a larger sensor and larger pixels, a front TrueDepth camera, the ultra wide camera to capture more of a scene, and Photonic Engine for a giant leap in low-light performance. Through a deep integration of hardware and software, Photonic Engine improves mid- to low-light performance for photos across all cameras: up to 2x on the ultra wide camera, 2x on the TrueDepth camera, and an impressive 2.5x on the main camera. Photonic Engine enables this dramatic increase in quality by applying the computational benefits of Deep Fusion earlier in the imaging process to deliver extraordinary detail, and preserve subtle textures, provide better color, and maintain more information in a photo.

Crash detection and emergency SOS via satellite

The entire iPhone 14 lineup introduces groundbreaking safety capabilities that can provide emergency assistance when it matters most. With a dual-core accelerometer capable of detecting G-force measurements of up to 256 GS and a high dynamic range gyroscope, crash detection on iPhone can detect a severe car crash and automatically dial emergency services when a user is unconscious or unable to reach their iPhone. These capabilities build on existing components, like the barometer, which can now detect cabin pressure changes, the GPS for additional input for speed changes, and the microphone, which can recognize loud noises typified by severe car crashes. Advanced Apple-designed motion algorithms trained with over a million hours of real-world driving and crash record data provide even better accuracy. The iPhone 14 lineup also introduces emergency SOS via satellite, which combines custom components deeply integrated with software to allow antennas to connect directly to a satellite, enabling messaging with emergency services when outside of cellular or Wi-Fi coverage. Satellites are moving targets with low bandwidth, and it can take minutes for messages to get through. Since every second counts, with emergency SOS via satellite, iPhone front-loads a few vital questions to assess the user's situation, and shows them where to point their phone to connect to a satellite. The initial questionnaire and follow-up messages are then relayed to centers staffed by Apple trained specialists who can call for help on the user's behalf. This breakthrough technology also allows users to manually share their location over satellite with Find My when there is no cellular or Wi-Fi connection, providing a sense of security when hiking or camping off the grid.

A15 Bionic - a powerhouse with a 6-core GPU

A15 Bionic brings incredible performance to iPhone 14. 6-core GPU enables even smoother graphics for video apps and high-performance gaming, and powers incredible camera features like Photonic Engine and cinematic mode, all while delivering impressive battery life, and protecting privacy and security with the Secure Enclave. The 6-core CPU handles demanding tasks smoothly and efficiently, and the 16-core Neural Engine is capable of 15.8 trillion operations per second, enabling even faster machine learning computations for features in iOS 16 and third-party app experiences.

Powerful connection capabilities

iPhone offers users super-fast downloads and uploads, better streaming, and real-time connectivity with 5G to help them stay in touch, share, and enjoy content. eSIM allows users to easily connect or quickly transfer their existing plans digitally, is a more secure alternative to a physical SIM card, and allows for multiple cellular plans on a single device.

iPhone and the environment

iPhone 14 is designed to minimize their impact on the environment, including antenna lines that use upcycled plastic water bottles that have been chemically transformed into a stronger, higher-performance material. iPhone 14 uses 100 percent recycled rare earth elements in all magnets, including those used in MagSafe, and 100 percent recycled tungsten in the Taptic Engine. iPhone 14 also includes 100 percent recycled tin in the solder of multiple printed circuit boards, and 100 percent recycled gold in the plating of multiple printed circuit boards and in the wire of all cameras.

Main Specifications

Product Description	Apple iPhone 14 - midnight - 5G smartphone - 128 GB - GSM
Product Type	5G smartphone
Manufacturer Model Number	A2882
Display	OLED display - 2532 x 1170 pixels - 6.1" - 460 ppi - Super Retina XDR Display - HDR - fingerprint-resistant oleophobic coating, Ceramic Shield
Processor	Apple A15 Bionic (6-core)
Neural Processor Unit (NPU)	Apple 16-core Neural Engine
Memory	128 GB
Operating System	iOS 16
Main Camera	12 Megapixel - 2x optical zoom - 26 mm - f/1.5 - focus: automatic
Second Camera	12 Megapixel - ultra wide-angle lens 13 mm - f/2.4
Front Camera	12 Megapixel f/1.9 - automatic
Service Provider	Not specified
SIM Card	Dual-SIM - nano SIM, Electronic SIM card (e-SIM)
Wireless Interface	NFC, Wi-Fi 6, UWB, Bluetooth
Security Devices	Face recognition
Connectors	Lightning
Wireless Charging Standards	Qi
Protection	Dustproof, splashproof, waterproof
Colour	Midnight
Dimensions (WxDxH)	71.5 mm x 7.8 mm x 146.7 mm
Weight	172 g
Repairability Index	6.9 (out of 10)
Specific Absorption Rate (SAR)	0.98 W/kg (head) 0.98 W/kg (body) 2.98 W/kg (limb)
Manufacturer Warranty	1-year warranty

Extended Specification

General

Product Type	Smartphone
Manufacturer Model Number	A2882
Form Factor	Touch
Protection	Dustproof, splashproof, waterproof
Width	71.5 mm
Depth	7.8 mm
Height	146.7 mm
Weight	172 g
Body Colour	Midnight
Body Material	Glass, aerospace-grade aluminium

Memory

Internal Memory Capacity	128 GB
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Manufacturer Warranty

Service & Support	Limited warranty - 1 year Technical support - consulting - 90 days
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Processor

Type	Apple A15 Bionic
Processor Core Qty	6-core

Miscellaneous

Compliant Standards	IEC 60529 IP68, HEARING AID M3/T4
Included Accessories	Lightning to USB-C cable

Environmental Parameters

Max Depth of Water Resistance	6 m
Min Operating Temperature	0 °C
Max Operating Temperature	35 °C
Humidity Range Operating	5 - 95% (non-condensing)

Display

Type	OLED display
Technology	Super Retina XDR Display
Diagonal Size	6.1"
Display Resolution	2532 x 1170 pixels
Pixel Density	460 ppi
Max Brightness	800 cd/m²
HDR	Yes
HDR Technology	HDR10
Enhancement Technology	Dolby Vision
Contrast Ratio	2000000:1
Protection	Fingerprint-resistant oleophobic coating, Ceramic Shield
Display Languages	Danish, Hindi, Hebrew, Hungarian, Czech, Croatian, Indonesian, Thai, Slovak, Chinese (traditional), Chinese (simplified), Vietnamese, Ukrainian, Brazilian Portuguese, English, German, French, Italian, Norwegian, Portuguese, Polish, Finnish, Swedish, Russian, Spanish, Dutch, Greek, Turkish, Arabic, Romanian, Catalan, Japanese, Korean, Malay, UK English, US English, Australian English, French Canadian, Spanish (Latin American), Chinese (Traditional, Hong Kong), Spanish (Mexican)
Features	True Tone display, Edge-to-Edge screen, Wide colour display (P3), Haptic touch, Hybrid Log-Gamma (HLG), 1200 nits max brightness (HDR)

Battery

Technology	Lithium Ion
Fast Charging Technology	Apple MagSafe wireless charging
Wireless Charging	Yes
Wireless Charging Standards	Qi
Run Time Details	Playback (video): up to 20 hrs Playback (streamed video): up to 16 hrs Playback (audio): up to 80 hrs

Communications

Data Transmission	EDGE, HSPA+, DC-HSDPA, VoLTE, FDD-LTE, Gigabit LTE, LAA, 5G NR FR1, TD-LTE
2G Band	850 GSM, 900 GSM, 1800 GSM, 1900 GSM
3G UMTS Band	Band 1, Band 2, Band 5, Band 8, Band 10
3G UMTS Frequency	2100, 1900, 850, 900, 1700 EAWS

4G LTE Band	Band 1, Band 2, Band 3, Band 4, Band 5, Band 7, Band 8, Band 12, Band 13, Band 17, Band 18, Band 19, Band 20, Band 25, Band 26, Band 28, Band 30, Band 32, Band 34, Band 38, Band 39, Band 40, Band 41, Band 42, Band 46, Band 48, Band 66, Band 53
4G LTE Frequency	FDD 2100, FDD 1900 PCS, FDD 1800+, FDD 1700 - 2110 AWS, FDD 850, FDD 2600, FDD 900, FDD 700a, FDD 700c, FDD 700b, FDD 800 lower, FDD 800 upper, FDD 800 DD, FDD 1900+, FDD 850+, FDD 700 APT, FDD 2300 WCS, FDD 1500 L, TDD 2000, TDD 2600, TDD 1900, TDD 2300, TDD 2500, TDD 3500, TDD 5150, TDD 3600, FDD 1700 - 2110 AWS-3, Band 53
5G NR Band	N1, n2, n3, n5, n7, n8, n20, n28, n38, n41, n66, n70, n77, n78, n79, n40, n25, n12, n48, n26, n30, n53
5G NR Frequency	FDD 2100, FDD 1900PCS, FDD 1800, FDD 850, FDD 2600, FDD 900, FDD 800, FDD 700APT, TDD TD 2600, TDD TD 2500, FDD AWS-3, FDD AWS-4, TDD TD 3700, TDD TD 3500, TDD TD 4500, TDD 2300, FDD 1900, n12, TDD 3500, FDD 850, FDD 2300, n53
Wireless Interface	NFC, IEEE 802.11ax, Ultra-Wideband (UWB), Bluetooth 5.3

Connections

Connector Type	Lightning
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Phone Features

Sensors	Accelerometer, digital compass, barometer, magnetometer, dual ambient light sensor, gyroscope with large dynamic range
Security Devices	Face recognition
Security Technology	Face ID
Additional Features	MIMO technology, Wi-Fi Calling, iBeacon microlocation, QuickType keyboard, Apple TV support (2nd or later), AirPlay 2 wireless streaming, FaceTime audio, Apple MagSafe, Express Transit cards with power reserve, 4K HDR AirPlay Mirroring, FaceTime HD (1080p), RTT/TTY compatible, Voice isolation, Zoom with rear-facing camera, Wide Spectrum microphone mode, SharePlay, Screen sharing, Portrait mode in FaceTime video, Dual eSIM support, ProRes, FaceTime call with SharePlay, Emergency SOS, Crash Detection

Cellular

Technology	WCDMA (UMTS) / GSM
Mobile Broadband Generation	5G
Service Provider	Not specified
Operating System	iOS 16
Intelligent Assistant	Siri
Navigation	GPS, GLONASS, BeiDou, Galileo, QZSS
SIM Card Type	Nano SIM, Electronic SIM card (e-SIM)
SIM Card Qty	Dual-SIM
Payment Technology	Apple Pay
Input Device	Multi-touch

Media Player

Supported Digital Audio Standards	AAC, MP3, FLAC, Apple Lossless
Supported Digital Video Standards	H.264, HEVC
Video Enhancements	HDR with Dolby Vision, HDR10, Hybrid Log-Gamma (HLG)
Sound Enhancements	Dolby Digital Plus sound, Dolby Atmos sound technology, Dolby Digital sound, Spatial audio

Front Camera

Sensor Resolution	12 Megapixel
Lens Aperture	F/1.9

Lens Element Qty	6-element
Focus Adjustment	Automatic
HDR Mode	Smart HDR 4
Special Effects	Natural, Studio, Contour, Stage, Stage Mono, High Key Mono, Photographic Styles
Face Detection	Face recognition
Camera Modes	Burst mode, night mode, Live Photos, Portrait mode with advanced bokeh and Depth Control, Portrait Lighting, wide colour capture for photos and Live Photos, Time Lapse (Night mode)
Video Resolutions	1920 x 1080 (1080p) at 30 fps, 1920 x 1080 (1080p) at 60 fps, Slo-mo video 1920 x 1080 (1080p) at 120 fps, 3840 x 2160 (4K) at 30 fps, 3840 x 2160 (4K) at 60 fps, 3840 x 2160 (4K) at 24 fps, 1920 x 1080 (1080p) at 25 fps, 3840 x 2160 (4K) at 25 fps
Light Source	Retina Flash
Features	Auto image stabilisation, Animoji, Memoji, TrueDepth camera, Cinematic video stabilisation, QuickTake video, Time lapse video with stabilisation, Lens correction, Deep Fusion, Dolby Vision HDR video recording up to 4K at 60 fps, Autofocus with Focus Pixels, Photonic Engine

Main Camera

Sensor Resolution	12 Megapixel
Optical Image Stabiliser	Sensor-shift OIS (Optical Image Stabilisation)
Lens Aperture	F/1.5
Lens Construction	7-element
Min Focal Length	26 mm
Pixel Size	1.9 µm
Focus Adjustment	Automatic
Optical Zoom	2x
Digital Zoom	5x
Special Effects	Natural, Studio, Contour, Stage, Stage Mono, High Key Mono, Photographic Styles
Camera Modes	Burst mode, Panorama, night mode, low-light shots, Live Photos, Portrait mode with advanced bokeh and Depth Control, Portrait Lighting, wide colour capture for photos and Live Photos, Cinema mode, Time Lapse (Night mode)
Face Detection	Face recognition
HDR Mode	Smart HDR 4
Light Source	True Tone LED flash
Video Resolutions	1920 x 1080 (1080p) at 30 fps, 1920 x 1080 (1080p) at 60 fps, 1280 x 720 (720p) at 30 fps, Slo-mo video 1920 x 1080 (1080p) at 120 fps, 3840 x 2160 (4K) at 30 fps, 3840 x 2160 (4K) at 60 fps, 3840 x 2160 (4K) at 24 fps, 1920 x 1080 (1080p) at 25 fps, Slo-mo video 1920 x 1080 (1080p) at 240 fps, 3840 x 2160 (4K) at 25 fps
Features	Sapphire crystal lens cover, Cinematic video stabilisation, Cinematic video stabilisation, Playback zoom, geotagging, Stereo Recording, Continuous autofocus video, 8MP still photos recording 4K video, Time lapse video with stabilisation, Advanced red-eye correction, HEIF image capture, Audio zoom, 100% Focus Pixels, Digital zoom up to 3x for video, QuickTake video, HEVC (High Efficiency Video coding), Deep Fusion, Sensor-shift optical image stabilisation for video, Dolby Vision HDR video recording up to 4K at 60 fps, Cinematic mode up to 4K HDR at 30 fps, Action mode up to 2.8K at 60 fps, Photonic Engine

Second Camera

Sensor Resolution	12 Megapixel
Lens Type	Ultra wide-angle lens
Lens Aperture	F/2.4
Min Focal Length	13 mm
Lens Element Qty	5-element
Field of View (FoV)	120 degree(s)
Features	Lens correction

Sustainability Information

Repairability Index	6.9 (out of 10)
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Neural Processor Unit (NPU)

Artificial Intelligence Processor Family	Apple
Artificial Intelligence Processor Model	16-core Neural Engine

What's in the box

- Apple iPhone 14
- Lightning to USB-C cable

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet