

Apple iPhone 16 Plus (MXVU3QN/A)

Apple iPhone 16 Plus - 5G smartphone - dual-SIM / Internal Memory 128 GB - OLED display - 6.7" - 2796 x 1290 pixels - 2x rear cameras 48 MP, 12 MP - front camera 12 MP - black



The iPhone 16 Plus is built for Apple Intelligence, the personal intelligence system that helps you write, express yourself, and get things done effortlessly. With groundbreaking privacy protections, it gives you peace of mind that no one else can access your data - not even Apple.

Key Selling Points

- Built for Apple Intelligence - personal, private, powerful
- Camera Control - get the perfect photo while barely lifting a finger
- A powerful chip that empowers Apple Intelligence and you
- A big boost in battery life
- Take your photos further and closer with ultra-wide camera

Product Features

- Great powers come with great privacy
Apple Intelligence is designed to protect your privacy at every step. It's integrated into the core of the iPhone through on-device processing. So, it's aware of your personal information without collecting your personal information. And with the groundbreaking Private Cloud Compute, Apple Intelligence can draw on larger Apple-designed server-based models, running on Apple silicon, to handle more complex requests for you while protecting your privacy.
- Take total Camera Control
Now you can take the perfect photo or video in record time. Camera Control gives you an easier way to quickly access camera tools. Simply slide your finger to adjust camera functions like exposure or depth of field, and toggle through each lens or use digital zoom to frame your shot - just how you like it.
- Go to great lengths to get the perfect shot
The versatile iPhone 16 Plus camera system captures beautiful photos - from up close or far away. The two-in-one 48MP Fusion camera lets you take stunning super-high-resolution images or zoom in with the 2x optical-quality Telephoto. The ultra-wide camera shoots extreme close-up macro photos or wider, more expansive pictures. Altogether, it's like having four lenses in your pocket.
- Spatial capture
With its realigned cameras, iPhone 16 Plus lets you take magical photos and videos in a whole different way using spatial capture.
- Audio Mix - make your voice heard
Powered by advanced intelligence and Spatial Audio capture, Audio Mix lets you adjust the way voices sound in your videos using three different voice options. Want to decrease background sound? Or just focus on the voices that are in frame? Simply select the mix and adjust intensity to get the sound you want after video capture.
- Custom-built A18 chip
Meet A18, custom-built for Apple Intelligence - and so much more. It jumps two generations ahead of the A16 Bionic chip in iPhone 15. And it powers next-level camera features like Photographic Styles and Camera Control. All with exceptional power efficiency to extend battery life.
- Even longer battery life
The iPhone 16 Plus has been designed to make room for a larger battery, which works together with A18 to deliver a big boost in battery life, even with so many features. So, you can game, binge, and listen to music on and on.
- Durable design
The iPhone 16 Plus has a sturdy, aerospace-grade aluminum enclosure and strong - and beautiful - color-infused glass on the back. The Ceramic Shield material is tougher than usual smartphone glass. And the internal design dissipates heat more effectively, so you'll get better performance overall, especially when it comes to gaming.
- Action button - do more, wait less
The Action button on iPhone 16 Plus is a fast track to your favorite feature. Just press and hold to launch the action you want - the flashlight, a voice memo, Silent mode, and more. You can also set up Shortcuts to open an app, run a series of tasks, or change actions depending on the time of day or your location. Or use it to take actions in an app, like setting an alarm or even ordering your favorite coffee drink.

Main specifications

Product Description	Apple iPhone 16 Plus - black - 5G smartphone - 128 GB - GSM
Product Type	5G smartphone
Energy Label QR Code URL	https://eprel.ec.europa.eu/qr/2251147
Energy Class	Class B
Manufacturer Model Number	A3290

Display	OLED display - 2796 x 1290 pixels - 6.7" - 460 ppi - Super Retina XDR Display - HDR - fingerprint-resistant oleophobic coating, Ceramic Shield
Processor	Apple A18 (6-core)
Neural Processor Unit (NPU)	Apple 16-core Neural Engine
Memory	128 GB
Operating System	iOS 18
Apple Intelligence	Yes
Main Camera	48 Megapixel - 2x optical zoom - 26 mm - f/1.6 - focus: automatic
Second Camera	12 Megapixel - ultra wide-angle lens 13 mm - f/2.2
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, UWB, Bluetooth, Wi-Fi 7
Security Devices	Face recognition
Connectors	USB-C
Wireless Charging Standards	Qi, Qi2
Protection	Water-resistant, splash-resistant, dust-resistant
Colour	Black
Dimensions (WxDxH)	77.8 mm x 7.8 mm x 160.9 mm
Weight	199 g
Repairability Index	8 (out of 10)
Carbon Footprint	60 kg carbon emissions
Rare Earth Materials	100% recycled rare earth elements
Specific Absorption Rate (SAR)	1.24 W/kg (head) † 1.33 W/kg (body) † 1.75 W/kg (limb)
Manufacturer Warranty	1-year warranty

Extended specification

General

Product Type	Smartphone
Energy Label QR Code URL	https://eprel.ec.europa.eu/qr/2251147
Energy Class	Class B
Manufacturer Model Number	A3290
Form Factor	Touch
Protection	Water-resistant, splash-resistant, dust-resistant
Width	77.8 mm
Depth	7.8 mm
Height	160.9 mm
Weight	199 g
Body Colour	Black
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 A18
Processor Core Qty	6-core

Miscellaneous

Ingress Protection Rating	IP68
Repeated Free Fall Reliability Class	Class C
Compliant Standards	IEC 60529 IP68, HAC (Hearing Aid Compatible), BFR-free, PVC-free, Mercury-free, Arsenic-free
Included Accessories	USB-C to USB-C cable (1 m)

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	6.7"
Display Resolution	2796 x 1290 pixels
Pixel Density	460 ppi
Max Brightness	1000 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, Wide colour display (P3), Haptic touch, Hybrid Log-Gamma (HLG), Dynamic Island, 1600 nits max brightness (HDR), 2000 nits max brightness (outdoor)

Battery

Technology	Lithium Ion
Fast Charging Technology	Apple MagSafe wireless charging
Wireless Charging	Yes
Wireless Charging Standards	Qi, Qi2
Battery Endurance per Cycle	48 hrs
Battery Endurance in Cycles	1000
Run Time Details	Playback (video): up to 27 hrs ¦ Playback (streamed video): up to 24 hrs ¦ Playback (audio): up to 100 hrs

Communications

Data Transmission	EDGE, HSPA+, DC-HSDPA, VoLTE, FDD-LTE, TDD-LTE, Gigabit LTE, LAA, 5G NR FR1
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 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 3600, FDD 1700 - 2110 AWS-3, Band 53
5G NR Band	N1, n2, n3, n5, n7, n8, n20, n28, n38, n41, n66, n70, n75, n76, 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, SDL DL 1500+, SDL DL 1500-, TDD TD 3700, TDD TD 3500, TDD TD 4500, TDD 2300, FDD 1900, n12, TDD 3500, FDD 850, FDD 2300, n53
Wireless Interface	NFC, Ultra-Wideband (UWB), Bluetooth 5.3, Wi-Fi 7

Connections

Connector Type	USB Type-C - 24 pin USB-C
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Phone Features

Sensors	Proximity sensor, digital compass, barometer, magnetometer, dual ambient light sensor, high-g accelerometer, gyroscope with high dynamic range
Security Devices	Face recognition
Security Technology	Face ID
Additional Features	Eye-tracking technology, 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, Screen sharing, Portrait mode in FaceTime video, DisplayPort over USB Type-C, FaceTime call with SharePlay, Crash Detection, magnet array, alignment magnet, accessory identification NFC, Apple Cash, Emergency SOS via satellite, Roadside Assistance via satellite, thread networking technology, action button, hardware-accelerated ray tracing, second-generation Ultra Wideband chip, messages via satellite, Find My via satellite, Writing Tools, VoiceOver, Zoom, Magnifier, Voice Control, Switch Control, AssistiveTouch, Closed Captions, Live Captions, Personal Voice, Live Speech, Vocal Shortcuts, Type to Siri, Music Haptics, Spoken Content

Cellular

Technology	WCDMA (UMTS) / GSM
Mobile Broadband Generation	5G
Service Provider	Not specified
Operating System	iOS 18
Intelligent Assistant	Siri
Apple Intelligence	Yes
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, APAC
Supported Digital Video Standards	H.264, HEVC, AV1
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
Focus Adjustment	Automatic

<i>HDR Mode</i>	<i>Smart HDR 5</i>
<i>Special Effects</i>	<i>Photographic Styles</i>
<i>Face Detection</i>	<i>Face recognition</i>
<i>Camera Modes</i>	<i>Burst mode, night mode, Portrait Lighting, wide colour capture for photos and Live Photos, Time Lapse (Night mode)</i>
<i>Video Resolutions</i>	<i>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</i>
<i>Light Source</i>	<i>Retina Flash</i>
<i>Features</i>	<i>Auto image stabilisation, Animoji, Memoji, TrueDepth camera, Cinematic video stabilisation, Time-lapse video with stabilisation, Lens correction, Deep Fusion, Autofocus with Focus Pixels, Photonic Engine, portrait focus and depth control, Cinematic mode up to 4K Dolby Vision at 30 fps, 4K Dolby Vision video recording up to 60 fps, 1080p Dolby Vision video recording up to 60 fps, Quick Take video up to 4K at 60 fps in Dolby Vision, Spatial Audio and stereo recording</i>

Main Camera

<i>Sensor Resolution</i>	<i>48 Megapixel</i>
<i>Optical Image Stabiliser</i>	<i>Sensor-shift OIS (Optical Image Stabilisation)</i>
<i>Lens Aperture</i>	<i>F/1.6</i>
<i>Min Focal Length</i>	<i>26 mm</i>
<i>Pixel Size</i>	<i>2 µm</i>
<i>Focus Adjustment</i>	<i>Automatic</i>
<i>Optical Zoom</i>	<i>2x</i>
<i>Digital Zoom</i>	<i>10x</i>
<i>Special Effects</i>	<i>Photographic Styles</i>
<i>Camera Modes</i>	<i>Burst mode, slow motion video, Panorama, Time-lapse mode, night mode, Portrait Lighting, wide colour capture for photos and Live Photos, Macro video, Macro mode, Time Lapse (Night mode)</i>
<i>Face Detection</i>	<i>Face recognition</i>
<i>HDR Mode</i>	<i>Smart HDR 5</i>
<i>Light Source</i>	<i>True Tone LED flash</i>
<i>Video Resolutions</i>	<i>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</i>
<i>Features</i>	<i>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, Panorama (up to 63MP), HEIF image capture, Audio zoom, 100% Focus Pixels, HEVC (High Efficiency Video coding), Deep Fusion, Sensor-shift optical image stabilisation for video, Digital zoom up to 6x for video, 2x optical zoom out, Quad Pixel technology for 2.0 µm, Cinematic mode up to 4K HDR at 30 fps, Action mode up to 2.8K at 60 fps, Photonic Engine, AVC (H.264), Wind noise reduction, portrait focus and depth control, 4x optical zoom range, 2x optical zoom in, Spatial video recording at 1080p at 30 fps, QuickTake video up to 4K at 60 fps in Dolby Vision, Spatial Audio and stereo recording, Audio Mix, 4K Dolby Vision video recording up to 60 fps, 1080p Dolby Vision video recording up to 60 fps, Camera Control, Spatial photos</i>

Second Camera

<i>Sensor Resolution</i>	<i>12 Megapixel</i>
<i>Lens Type</i>	<i>Ultra wide-angle lens</i>
<i>Lens Aperture</i>	<i>F/2.2</i>
<i>Min Focal Length</i>	<i>13 mm</i>
<i>Field of View (FoV)</i>	<i>120 degree(s)</i>
<i>Pixel Size</i>	<i>1.4 µm</i>
<i>Features</i>	<i>Lens correction, 100% Focus Pixels</i>

Sustainability Information

<i>Repairability Index</i>	<i>8 (out of 10)</i>
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Repairability Class	Class C
EPEAT Compliant	Yes
EPEAT Level	EPEAT Gold
Carbon Footprint	60 kg carbon emissions
Rare Earth Materials	100% recycled rare earth elements
Product Recycled Content	30 % - recycled or renewable content
Packaging Recycled Content	100 % - recycled fibre

Neural Processor Unit (NPU)

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

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