



Apple iPhone 18 Pro Max 512GB Black

Brand : Apple **Product family:** iPhone **Product code:** MJXT4QN/A

Product name : iPhone 18 Pro Max 512GB Black

- 48MP Fusion Main camera with variable aperture. Improved low-light photos and video. Impressive depth of field

- The longest battery life in an iPhone. Up to 45 hours video playback on iPhone 18 Pro Max

- Four gorgeous colors. Two great sizes. One durable aluminum design

- A20 Pro chip. Next-generation vapor chamber. Dual 16-core Neural Engine. Total AI powerhouse

- Meet Siri AI. Your AI assistant. More personal. More powerful

iPhone 18 Pro Max, 6.9" OLED, 2868 x 1320, A20 Pro Chip, 512GB, Wi-Fi 7 (802.11be), Bluetooth 6, NFC, 48MP Fusion + 48MP Fusion Ultra Wide + 48MP Fusion Telephoto, 18MP Center Stage, Face ID, IP68, iOS 27



Display		Network	
Display diagonal *	17.5 cm (6.9")	Bluetooth version	6.0
Screen shape	Flat	Bluetooth Low Energy (BLE)	✓
Display technology marketing name	Super Retina XDR	Frequency band	Penta-band
Panel type	OLED	3G bands supported	850,900,1800,1900,2100 MHz
Display glass type	Ceramic Shield 2	4G data rate (max)	1000 Mbit/s
Display resolution *	2868 x 1320 pixels	AirPlay	✓
Contrast ratio (typical)	2000000:1	iBeacon	✓
Display brightness	1000 cd/m²	MIMO	✓
Maximum display brightness (HDR)	1600 cd/m²	Near Field Communication (NFC)	✓
Maximum display brightness (Outdoor)	3000 cd/m²	Thread networking technology	✓
Display brightness (min)	1 cd/m²	Ports & interfaces	
High Dynamic Range (HDR) supported	✓	USB port	✓
High Dynamic Range (HDR) technology	High Dynamic Range 10 (HDR10), High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG), Dolby Vision	USB connector type	USB Type-C
Pixel density	460 ppi	USB version	3.2 Gen 2 (3.1 Gen 2)
Oleophobic coating	✓	Messaging	
Brand specific technologies	Always-on display, Dynamic Island, Haptic touch, ProMotion, True Tone, Wide color (P3)	Short Message Service (SMS)	✓
Fingerprint resistant	✓	E-mail	✓
Rounded display corners	✓	Navigation	
Processor		GPS (satellite)	✓
Processor family *	Apple	NavIC	✓
Processor model *	A20 Pro	GLONASS	✓
Processor cores	6	BeiDou	✓
Performance cores	2	Galileo	✓
		Quasi-Zenith Satellite System (QZSS)	✓
		Electronic compass	✓

Processor		Navigation	
Efficient cores	4	Position location *	✓
Number of neural processor units (NPUs)	2	Wi-Fi positioning	✓
Neural processor unit (NPU)	Apple Neural Engine (ANE)	Design	
Neural processor unit (NPU) cores	16	Form factor *	Bar
Hardware-accelerated ray tracing	✓	Product colour *	Black
Storage		Back glass type	Ceramic Shield
Internal storage capacity *	512 GB	Magnet array	✓
Compatible memory cards *	Not supported	Protection features	Water resistant, Splash proof, Reflective, Dust resistant
Camera		Waterproof up to	6 m
Rear camera resolution (numeric) *	48 MP	Housing material	Aluminium
Second rear camera resolution (numeric)	48 MP	Performance	
Third rear camera resolution (numeric)	48 MP	Video call	✓
Rear camera aperture number	1.48	Fast charging	✓
Second rear camera aperture number	2.2	Wireless charging	✓
Third rear camera aperture number	2.8	Wireless charging power	25 W
Second rear camera field of view (FOV) angle	120°	Graphics card cores	7
Rear camera focal length	2.4 cm	Emergency SOS (satellite)	✓
Second rear camera focal length	1.3 cm	Crash detection	✓
Third rear camera focal length	10 cm	Fingerprint reader	✗
Lens cover material	Sapphire crystal	Face recognition	✓
Lens correction	✓	Accessibility features	AssistiveTouch, Closed Captions, Eye Tracking, Live Captions, Live Speech, Magnifier, Personal Voice, Real-time text (RTT), Spoken Content, Switch Control, Teletype (TTY), Type to Siri, Vocal Shortcuts, Voice Control, VoiceOver, Zoom
Rear camera lens name	Fusion Main		
Second rear camera lens name	Fusion Ultra Wide		
Third rear camera lens name	Fusion Telephoto		
Optical zoom	16x	Speakerphone	✓
Optical zoom in	8x	Voice commands	✓
Optical zoom out	2x	Hearing aid compatibility	✓
Digital zoom	40x	Action button	✓
100% Focus pixels	✓	Action button features	Silent mode, Focus, Camera, Visual Intelligence, Voice Memo, Flashlight, Translate, Recognize Music, Controls, Magnifier, Accessibility, Shortcut
Hybrid focus pixels	✓		
Front camera type *	Single camera		
Front camera resolution (numeric) *	18 MP		
Front camera resolution	3840 x 2160 pixels	Camera button	✓
Front camera aperture number	1.9	Screen sharing	✓
Rear camera flash *	✓	Spatial audio	✓
Video capture resolution (max)	3840 x 2160 pixels	Voice isolation	✓
Maximum frame rate	240 fps	Wide Spectrum	✓
Video recording modes	720p, 1080p, 2160p	Roadside assistance	✓
Rear camera type *	Triple camera	Vibrating alert	✓
Auto focus	✓	Multimedia	
Smart framing	Center Stage	Number of microphones	4
Face detection	✓	Speakers	stereo
Camera High Dynamic Range (HDR) mode	✓	Audio formats supported	MP3, APAC, AAC, FLAC
Time lapse mode	✓	Video formats supported	AV1, H.264, HEVC, Apple Log 2
Video stabilizer	✓	Software	
Image stabilizer	✓	Platform *	iOS
Image stabilizer type	Optical Image Stabilization (OIS)	Operating system installed *	iOS 27
Geotagging	✓	App distribution platform	Apple App Store
Night mode	✓	Virtual assistant	Apple Siri
Photonic Engine	✓	Apple Intelligence	✓
Deep Fusion	✓	Windows operating systems supported	✓
Portrait Lighting	✓	Mac operating systems supported	✓
QuickTake video	✓		

Camera		Battery	
Stereo recording	✓	Battery technology	Lithium-Ion (Li-Ion)
Camera button controls	Cameras, Depth, Exposure, Styles, Tone, Zoom	Number of batteries	1
Panorama	✓	Battery charge limit	✓
Portrait mode	✓	Battery endurance in cycles *	1000
Macro photography	✓	Battery capacity *	5391 mAh
Continuous shooting mode	✓	Continuous video playback time (max)	43 h
Spatial photos	✓	Continuous video playback time (streamed) (max)	38 h
Wind noise reduction	✓	Rechargeable battery	✓
Macro video recording	✓	Sensors	
Audio mix	✓	Proximity sensor	✓
Slow motion mode	✓	Accelerometer	✓
Slow motion rate	1080p 240 fps; 4K 120 fps	Ambient light sensor	✓
Camera image formats supported	DNG, HEIF, JPEG	Gyroscope	✓
Camera video formats supported	H.264, HEVC, ProRes	Barometer	✓
Audio zoom	✓	Magnetic sensor	✓
Playback zoom	✓	LiDAR sensor	✓
Academy Color Encoding System	✓	Power	
Genlock	✓	USB Type-C charging port *	✓
Network		USB Power Delivery (USB PD)	✓
SIM card capability *	Dual SIM	USB Type-C required charging power (min) *	4.5 W
Mobile network generation *	5G	USB Type-C required charging power (max) *	54 W
SIM card type *	NanoSIM + eSIM	Endurance	
Wireless networking chip	Apple N1	Energy efficiency class *	A
Modem chipset	Apple C2	Energy efficiency scale	A to G
3G standards *	DC-HSDPA, HSPA+	Battery endurance per cycle *	3720 min
4G standard *	LTE-TDD & LTE-FDD	Repeated free fall reliability class *	B
5G standard *	NR, NR mmWave, Sub6	Repairability class *	C
Voice over LTE (VoLTE) supported	✓	International Protection (IP) code *	IP68
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	Weight & dimensions	
Wi-Fi	✓	Width	78 mm
Wi-Fi standards	Wi-Fi 7 (802.11be)	Depth	8.75 mm
Bluetooth *	✓	Height	163.4 mm
		Weight *	249 g
		Packaging data	
		Package width	96 mm
		Package depth	182 mm
		Package height	29 mm
		Package weight	420 g
		Packaging content	
		AC adapter included *	✗
		Cables included	USB Type-C
		Operational conditions	
		Operating temperature (T-T)	0 - 35 °C
		Storage temperature (T-T)	-20 - 45 °C
		Operating relative humidity (H-H)	5 - 95%
		Operating altitude	0 - 3000 m
		Other features	
		Ringer type	MP3



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