

iPhone 13 Pro Max 128GB Sierra Blue



01-10-2021

SKU	MLL93QN/A
Product Description:	Apple iPhone 13 Pro Max - Sierra Blue - 5G - 128 GB - GSM - smartphone
Product Type:	Smartphone 5G
Manufacturer Model Number:	A2643
Display:	OLED display - 2778 x 1284 pixels - 6.7" - 458 ppi - Super Retina XDR Display with ProMotion - HDR - fingerprint-resistant oleophobic coating, Ceramic Shield
Processor:	Apple A15 Bionic (6-core)
Memory:	128 GB
Operating System:	iOS 15

General

Product Type:	Smartphone
Manufacturer Model Number:	A2643
Form Factor:	Touch
Protection:	Dustproof, splashproof, waterproof
Width:	78.1 mm
Depth:	7.65 mm
Height:	160.8 mm
Weight:	238 g
Body Colour:	Sierra Blue
Body Material:	Surgical-grade stainless steel, textured matt glass

Cellular

Technology:	WCDMA (UMTS) / GSM
Mobile Broadband Generation:	5G
Service Provider:	Not specified

Third Rear Camera

Sensor Resolution:	12 Megapixel
Optical Zoom:	3
Lens Type:	Telephoto lens
Lens Aperture:	F/2.8
Min Focal Length:	77 mm
Lens Element Qty:	6-element
Features:	OIS (Optical Image Stabilization), Optical image stabilisation for video, Focus Pixels

Second Rear Camera

Lens Type:	Ultra wide-angle lens
Lens Aperture:	F/1.8
Min Focal Length:	13 mm
Lens Element Qty:	6-element
Field of View (FoV):	120 degree(s)
Features:	Lens correction, Focus Pixels

Cellular

Operating System:	iOS 15
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

Communications

Data Transmission:	EDGE, HSPA+, DC-HSDPA, VoLTE, FDD-LTE, TDD-LTE, VoWiFi, 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 46, Band 48, Band 66
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
5G NR Band:	N1, n2, n3, n5, n7, n8, n20, n28, n38, n41, n66, n77, n78, n79, n40, n25, n12, n48, n30
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, TDD TD 3700, TDD TD 3500, TDD TD 4500, TDD 2300, FDD 1900, n12, TDD 3500, FDD 2300

Rear Camera

Sensor Resolution:	12 Megapixel
Optical Image Stabiliser:	Sensor-shift OIS (Optical Image Stabilisation)
Lens Type:	Wide-angle lens
Lens Aperture:	F/1.5
Lens Construction:	7-element
Min Focal Length:	26 mm
Pixel Size:	1.9 µm
Focus Adjustment:	Automatic
Optical Zoom:	6
Digital Zoom:	15
Special Effects:	Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono, Photographic Styles
Camera Modes:	Burst mode, Panorama, night mode, Live Photos, Portrait mode with advanced bokeh and Depth Control, Portrait Lighting, wide colour capture for photos and Live Photos, Cinema mode, Macro mode, Time Lapse (Night mode), Apple ProRAW
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

Communications

Wireless Interface: NFC, Bluetooth 5.0, IEEE 802.11ax, Ultra-Wideband (UWB)

Phone Features

Phone Functions: Speakerphone, voice control, call timer, conference call, flight mode, voice dialing, vibrating alert

Sensors: Accelerometer, ambient light sensor, proximity sensor, 3-axis gyro sensor, digital compass, barometer, magnetometer, LiDAR scanner

Security Devices: Face recognition

Security Technology: Face ID

Additional Features: AirDrop function, 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, 16-core Neural Engine, Wide Spectrum microphone mode, SharePlay, Screen sharing, Portrait mode in FaceTime video, Optical zoom with rear-facing camera

Media Player

Supported Digital Audio Standards: Audible, MP3, FLAC, Apple Lossless, AC-3, AAC-LC, LPCM, HE-AAC, Audible AAX, Audible AAX+, protected AAC, EAC3, HE-AAC v2

Supported Digital Video Standards: M-JPEG, H.264, HEVC, MPEG-4 Part 2, HEIF

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

Processor

Type: Apple A15 Bionic

Rear Camera

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, Slow Sync, Advanced red-eye correction, HEIF image capture, Audio zoom, 100% Focus Pixels, QuickTake video, HEVC (High Efficiency Video coding), Deep Fusion, Sensor-shift optical image stabilisation for video, Digital zoom up to 9x for video, Dolby Vision HDR video recording up to 4K at 60 fps, ProRes video recording up to 4K at 30 fps (1080p at 30 fps for 128GB storage), 6x optical zoom range, 2x optical zoom out, Cinematic mode for recording videos with shallow depth of field (1080p at 30 fps), 3x optical zoom in

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)

Manufacturer Warranty

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

Miscellaneous

Compliant Standards: IEC 60529 IP68, HEARING AID M3/T4

Included Accessories: Lightning to USB-C cable

Battery

Technology: Lithium Ion

Fast Charging Technology: Apple fast charging technology, Apple MagSafe wireless charging

Processor

Processor Core Qty:	6-core
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Memory

Internal Memory Capacity:	128 GB
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Front Camera

Sensor Resolution:	12 Megapixel
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Lens Aperture:	F/2.2
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HDR Mode:	Smart HDR 4
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Special Effects:	Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono, Photographic Styles
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Face Detection:	Face recognition
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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, Apple ProRAW
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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
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Light Source:	Retina Flash
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Features:	Auto image stabilisation, Animoji, Memoji, TrueDepth camera, Cinematic video stabilisation, QuickTake video, Time-lapse video with stabilisation, Lens correction, Deep Fusion, Cinematic mode for recording videos with shallow depth of field (1080p at 30 fps), Dolby Vision HDR video recording up to 4K at 60 fps, ProRes video recording up to 4K at 30 fps (1080p at 30 fps for 128GB storage)
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Battery

Wireless Charging:	Yes
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Wireless Charging Standards:	Qi
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Run Time Details:	Playback (video): up to 28 hrs ; Playback (streamed video): up to 25 hrs ; Playback (audio): up to 95 hrs
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Connections

Connector Type:	Lightning
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Display

Type:	OLED display
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Technology:	Super Retina XDR Display with ProMotion
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Diagonal Size:	6.7"
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Display Resolution:	2778 x 1284 pixels
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Pixel Density:	458 ppi
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Max Brightness:	1000 cd/m ²
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HDR:	Yes
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HDR Technology:	HDR10
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Enhancement Technology:	Dolby Vision
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Refresh Rate:	120 Hz
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Contrast Ratio:	2000000:1
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Protection:	Fingerprint-resistant oleophobic coating, Ceramic Shield
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Display

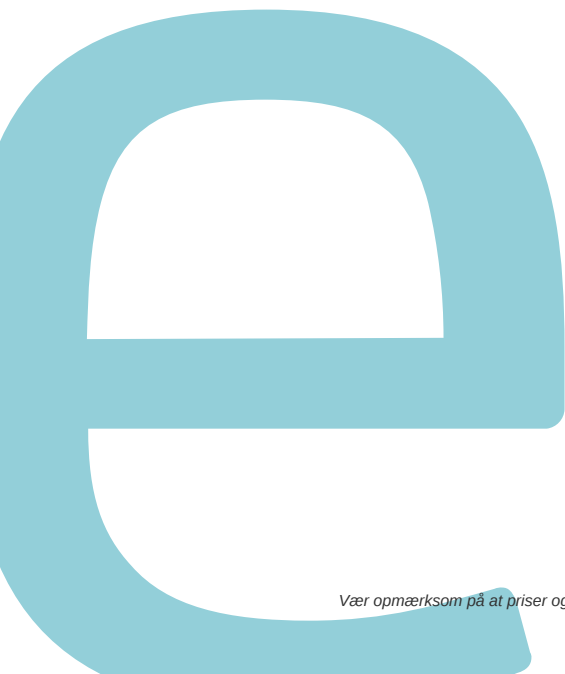
Display Languages:	Danish, Hindi, Hebrew, Hungarian, Czech, Croatian, Indonesian, Thai, Slovak, Chinese (traditional), Chinese (simplified), Vietnamese, Ukrainian, Brazilian Portuguese, English, German, French, Italian, Norwegian, Portuguese, Polish, Finnish, Swedish, Russian, Spanish, Dutch, Greek, 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), 1200 nits max brightness (HDR)

Third Camera

Sensor Resolution:	12 Megapixel
Optical Zoom:	3x
Optical Image Stabiliser:	Optical Image Stabiliser (OIS)
Lens Type:	Telephoto lens
Lens Aperture:	F/2.8
Min Focal Length:	77 mm
Lens Element Qty:	6-element
Features:	Optical image stabilisation for video, Focus Pixels

Second Camera

Sensor Resolution:	12 Megapixel
Lens Type:	Ultra wide-angle lens
Lens Aperture:	F/1.8
Min Focal Length:	13 mm
Lens Element Qty:	6-element
Field of View (FoV):	120 degree(s)
Features:	Lens correction, Focus Pixels



Main Camera

Sensor Resolution:	12 Megapixel
Optical Image Stabiliser:	Sensor-shift OIS (Optical Image Stabilisation)
Lens Type:	Wide-angle lens
Lens Aperture:	F/1.5
Lens Construction:	7-element
Min Focal Length:	26 mm
Pixel Size:	1.9 µm
Focus Adjustment:	Automatic
Optical Zoom:	6x
Digital Zoom:	15x
Special Effects:	Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono, Photographic Styles
Camera Modes:	Burst mode, Panorama, night mode, Live Photos, Portrait mode with advanced bokeh and Depth Control, Portrait Lighting, wide colour capture for photos and Live Photos, Cinema mode, Macro mode, Time Lapse (Night mode), Apple ProRAW
Face Detection:	Face recognition
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Main Camera

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, Slow Sync, Advanced red-eye correction, HEIF image capture, Audio zoom, 100% Focus Pixels, QuickTake video, HEVC (High Efficiency Video coding), Deep Fusion, Sensor-shift optical image stabilisation for video, Digital zoom up to 9x for video, Dolby Vision HDR video recording up to 4K at 60 fps, ProRes video recording up to 4K at 30 fps (1080p at 30 fps for 128GB storage), 6x optical zoom range, 2x optical zoom out, Cinematic mode for recording videos with shallow depth of field (1080p at 30 fps), 3x optical zoom in