

# Apple iPhone 16 Pro Max



|                         |               |
|-------------------------|---------------|
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| Apple                   |               |

**iPhone 16 Pro Max**  
Hello, Apple Intelligence

## Zusammenfassung

**iPhone 16 Pro Max**  
Hello, Apple Intelligence

Apple iPhone 16 Pro Max 256GB Natural Titanium, 17.5 cm (6.9"), 2868 x 1320 pixels, 256 GB, 48 MP, iOS 18, Titanium

Apple iPhone 16 Pro Max 256GB Natural Titanium. Display diagonal: 17.5 cm (6.9"), Display resolution: 2868 x 1320 pixels. Processor family: Apple, Processor model: A18 Pro. Internal storage capacity: 256 GB. Rear camera resolution (numeric): 48 MP, Rear camera type: Triple camera. SIM card capability: Dual SIM. Operating system installed: iOS 18. Product colour: Titanium. Weight: 227 g

## Merkmale

### Other features

Doesn't contain Arsenic, Mercury, PVC/BFR

### Subscription

Subscription type No subscription

### Technical details

Pre-installed applications Apple Store, App Store, Books, Calculator, Calendar, Camera, Clips Clock, Compass, Contacts,

### Design

|                     |   |
|---------------------|---|
| Form factor         | Bar   |
| Product colour      | Titanium                                      |
| Protection features | Dust resistant, Splash proof, Water resistant |
| Waterproof up to    | 6 m   |
| Housing material    | Glass, Titanium                               |

### Multimedia

|                            |  |
|----------------------------|--|
| Number of microphones      | 4  |
| Audio formats supported    | AAC, ALAC, FLAC, MP3, APAC                               |
| Video formats supported    | H.264, HEVC, ProRes, AV1                                 |
| Image formats supported    | GIF, JPG, TIFF   |
| Document formats supported | DOC, DOCX, HTM, HTML, ICS, Key, Numbers, PDF, PPT, PPTX, |

FaceTime, Files, Find My, Fitness, Freeform, GarageBand, Health, Home, iMovie, iTunes Store, Keynote, Magnifier, Mail, Maps, Measure, Messages, Music, News, Notes, Numbers, Pages, Passwords, Phone, Photos, Podcasts, Reminders, Safari, Settings, Shortcuts, Stocks, Tips, Translate, TV, Voice Memos, Wallet, Watch, Weather

Pages, RTF, TXT, USDZ, VCF, XLS, XLSX  
Archive formats supported Zip

## Sensors

|                      |     |
|----------------------|-----|
| Proximity sensor     | Yes |
| Accelerometer        | Yes |
| Ambient light sensor | Yes |
| Gyroscope            | Yes |
| Barometer            | Yes |
| LiDAR sensor         | Yes |

## Packaging content

|                     |                          |
|---------------------|--------------------------|
| AC adapter included | No                       |
| Cables included     | USB Type-C to USB Type-C |

## Storage

|                           |               |
|---------------------------|---------------|
| Internal storage capacity | 256 GB        |
| Compatible memory cards   | Not supported |

## Ports & interfaces

|                    |                       |
|--------------------|-----------------------|
| USB port           | Yes                   |
| USB connector type | USB Type-C            |
| USB version        | 3.2 Gen 2 (3.1 Gen 2) |

## Battery

|   |                      |
|---|----------------------|
| Battery technology                        | Lithium-Ion (Li-Ion) |
| Continuous audio playback time            | 105 h                |
| Continuous video playback time            | 33 h                 |
| Continuous video playback time (streamed) | 29 h                 |

## Certificates

|                |           |
|----------------|-----------|
| Head SAR (EU)  | 1.22 W/kg |
| Body SAR (EU)  | 1.45 W/kg |
| Head SAR (USA) | 1.01 W/kg |
| Body SAR (USA) | 1.15 W/kg |

## Operational conditions

|   |             |
|---|-------------|
| Operating temperature (T-T)               | 0 - 35 °C   |
| Storage temperature (T-T)                 | -20 - 45 °C |
| Operating relative humidity (H-5 - 95% H) |             |
| Operating altitude                        | 0 - 3000 m  |

## Power

## Endurance

|                                      |          |
|--------------------------------------|----------|
| Energy efficiency class              | B        |
| Energy efficiency scale              | A to G   |
| Battery endurance per cycle          | 2880 min |
| Battery endurance in cycles          | 1000     |
| Repeated free fall reliability class | C        |
| Repairability class                  | C        |
| International Protection (IP) code   | IP68     |

## Software

|                                     |   |
|-------------------------------------|---|
| Platform                            | iOS   |
| Operating system installed          | iOS 18  |
| App distribution platform           | Apple App Store   |
| Virtual assistant                   | Apple Siri  |
| Apple Intelligence                  | Yes   |
| Windows operating systems supported | Windows 10, Windows 10 Education, Windows 10 Education x64, Windows 10 Enterprise, Windows 10 Enterprise x64, Windows 10 Home, Windows 10 Home x64, Windows 10 IOT Core, Windows 10 IoT Enterprise, Windows 10 Pro, Windows 10 Pro x64, Windows 10 x64, Windows 11, Windows 11 Enterprise, Windows 11 Enterprise x64, Windows 11 Home, Windows 11 Pro, Windows 11 x64 |
| Mac operating systems supported     | Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, Mac OS X 10.15 Catalina, Mac OS X 10.15.3 Catalina, Mac OS X 11.0 Big Sur, Mac OS X 12.0 Monterey, Mac OS X 13.0 Ventura, Mac OS X 14.0 Sonoma   |

## Processor

|                   |               |
|-------------------|---------------|
| Processor family  | Apple         |
| Processor model   | A18 Pro       |
| Processor cores   | 6             |
| Performance cores | 2             |
| Efficient cores   | 4             |
| Coprocessor       | Yes           |
| Coprocessor model | Neural Engine |

|  |       |
|--|-------|
| USB Type-C charging port                 | Yes   |
| USB Power Delivery (USB PD)              | Yes   |
| USB Type-C required charging power (min) | 4.5 W |
| USB Type-C required charging power (max) | 30 W  |

## Weight & dimensions

|        |         |
|--------|---------|
| Width  | 77.6 mm |
| Depth  | 8.25 mm |
| Height | 163 mm  |
| Weight | 227 g   |

|                   |    |
|-------------------|----|
| Coprocessor cores | 16 |
|-------------------|----|

## Navigation

|                                      |     |
|--------------------------------------|-----|
| GPS (satellite)                      | Yes |
| NavIC                                | Yes |
| GLONASS                              | Yes |
| BeiDou                               | Yes |
| Galileo                              | Yes |
| Quasi-Zenith Satellite System (QZSS) | Yes |
| Electronic compass                   | Yes |
| Position location                    | Yes |
| Wi-Fi positioning                    | Yes |

## Display

|                                      |  |
|--------------------------------------|--|
| Display diagonal                     | 17.5 cm (6.9")   |
| Screen shape                         | Flat   |
| Display technology marketing name    | Super Retina XDR   |
| Panel type                           | OLED   |
| Display glass type                   | Ceramic Shield   |
| Display resolution                   | 2868 x 1320 pixels   |
| Contrast ratio (typical)             | 2000000:1  |
| Maximum refresh rate                 | 120 Hz   |
| Display brightness                   | 1000 cd/m <sup>2</sup>   |
| Maximum display brightness (HDR)     | 1600 cd/m <sup>2</sup>   |
| Maximum display brightness (Outdoor) | 2000 cd/m <sup>2</sup>   |
| Display brightness (min)             | 1 cd/m <sup>2</sup>  |
| High Dynamic Range (HDR) supported   | Yes  |
| High Dynamic Range (HDR) technology  | High Dynamic Range 10 (HDR10), High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG) |
| Pixel density                        | 460 ppi  |
| Oleophobic coating                   | Yes  |
| Brand specific technologies          | Always-on display, Dynamic Island, Haptic touch, ProMotion, True Tone, Wide color (P3)     |
| Fingerprint resistant                | Yes  |
| Rounded display corners              | Yes  |

## Network

|                                  |                       |
|----------------------------------|-----------------------|
| SIM card capability              | Dual SIM              |
| Mobile network generation        | 5G                    |
| SIM card type                    | NanoSIM + eSIM        |
| 2G standards                     | Edge, GSM             |
| 3G standards                     | DC-HSDPA, HSPA+, UMTS |
| 4G standard                      | LTE-TDD & LTE-FDD     |
| 5G standard                      | NR, NR mmWave, Sub6   |
| Voice over LTE (VoLTE) supported | Yes                   |
| Wi-Fi                            | Yes                   |
| Wi-Fi standards                  | Wi-Fi 7 (802.11be)    |
| Bluetooth                        | Yes                   |
| Bluetooth version                | 5.3                   |
| 2G bands (primary SIM)           | 850,900,1800,1900 MHz |

|                                |                            |
|--------------------------------|----------------------------|
| Frequency band                 | Penta-band                 |
| 3G bands supported             | 850,900,1700,1900,2100 MHz |
| 4G data rate (max)             | 1000 Mbit/s                |
| AirPlay                        | Yes                        |
| iBeacon                        | Yes                        |
| MIMO                           | Yes                        |
| Near Field Communication (NFC) | Yes                        |

## Performance

|                           |   |
|---------------------------|---|
| Video call                | Yes   |
| Fast charging             | Yes   |
| Wireless charging         | Yes   |
| Graphics card cores       | 6   |
| Emergency SOS (satellite) | Yes   |
| Crash detection           | Yes   |
| Fingerprint reader        | No  |
| Face recognition          | Yes   |
| Accessibility features    | AssistiveTouch, Closed Captions, Magnifier, Real-time text (RTT), Spoken Content, Switch Control, Teletype (TTY), Type to Siri, Voice Control, VoiceOver, Zoom, Eye Tracking, Live Captions, Personal Voice, Live Speech, Vocal Shortcuts |
| Speakerphone              | Yes   |
| Voice commands            | Yes   |
| Hearing aid compatibility | Yes   |
| Action button             | Yes   |
| Action button features    | Accessibility, Camera, Controls, Flashlight, Focus, Magnifier, Recognize Music, Shortcut, Silent mode, Translate, Voice Memo  |
| Camera button             | Yes   |
| Screen sharing            | Yes   |
| Spatial audio             | Yes   |
| Voice isolation           | Yes   |
| Wide Spectrum             | Yes   |
| Roadside assistance       | Yes   |
| Vibrating alert           | Yes   |

## Camera

|  |                  |
|--|------------------|
| Rear camera resolution (numeric)             | 48 MP            |
| Second rear camera resolution (numeric)      | 48 MP            |
| Third rear camera resolution (numeric)       | 12 MP            |
| Rear camera aperture number                  | 1.78             |
| Second rear camera aperture number           | 2.2              |
| Third rear camera aperture number            | 2.8              |
| Second rear camera field of view (FOV) angle | 120°             |
| Third rear camera field of view (FOV) angle  | 20°              |
| Rear camera focal length                     | 2.4 cm           |
| Second rear camera focal length              | 1.3 cm           |
| Third rear camera focal length               | 12 cm            |
| Third rear camera lens elements              | 7-element lens   |
| Lens cover material                          | Sapphire crystal |

|                                      |   |
|--------------------------------------|---|
| Lens correction                      | Yes   |
| Optical zoom in                      | 5x  |
| Optical zoom out                     | 2x  |
| Digital zoom                         | 25x   |
| Front camera type                    | Single camera   |
| Front camera resolution (numeric)    | 12 MP   |
| Front camera aperture number         | 1.9   |
| Rear camera flash                    | Yes   |
| Front camera flash                   | No  |
| Video capture resolution (max)       | 3840 x 2160 pixels  |
| Maximum frame rate                   | 240 fps   |
| Resolution at capture speed          | 1280x720@30fps, 1920x1080@120fps, 1920x1080@240fps, 1920x1080@25fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@100fps, 3840x2160@120fps, 3840x2160@24fps, 3840x2160@25fps, 3840x2160@30fps, 3840x2160@60fps |
| Video recording modes                | 720p, 1080p, 2160p  |
| Rear camera type                     | Triple camera   |
| Auto focus                           | Yes   |
| Face detection                       | Yes   |
| Camera High Dynamic Range (HDR) mode | Yes   |
| Image stabilizer                     | Yes   |
| Image stabilizer type                | Optical Image Stabilization (OIS)   |
| Geotagging                           | Yes   |
| Night mode                           | Yes   |
| Photonic Engine                      | Yes   |
| Deep Fusion                          | Yes   |
| Portrait Lighting                    | Yes   |
| QuickTake video                      | Yes   |
| Stereo recording                     | Yes   |
| Camera button controls               | Cameras, Depth, Exposure, Styles, Tone, Zoom  |
| Panorama                             | Yes   |
| Portrait mode                        | Yes   |
| Macro photography                    | Yes   |
| Red-eye correction                   | Y   |
| Continuous shooting mode             | Yes   |
| Spatial photos                       | Yes   |
| Wind noise reduction                 | Yes   |
| Slow motion mode                     | Yes   |
| Camera image formats supported       | DNG, HEIF, JPEG   |
| Camera video formats supported       | H.264, HEVC, ProRes   |
| Audio zoom                           | Yes   |

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.