# Apple iPhone Duo 512GB Night Sky

**Brand :** Apple **Product family:** iPhone **Product code:** MK2G4QN/A

**Product name :** iPhone Duo 512GB Night Sky

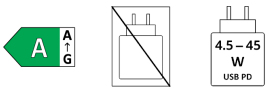


- The largest iPhone display ever. In a thin, foldable design
- More ways to iPhone. Reimagined iOS experiences for ultimate versatility
- Titanium frame and hinge cover. Beautiful and durable
- 48MP Dual Fusion camera system. And all-new ways to shoot from front to back
- Vapor-cooled A20 Pro chip for pro performance
- Dual-battery system. All-day power
- Meet Siri AI. Your AI assistant. More personal. More powerful

iPhone Duo, 7.6/5.4", Super Retina XDR, OLED, 1878 x 2670/1398 x 2034px, 430/460 ppi, A20 Pro, 512GB, 5G, Wi-Fi 7, Bluetooth 6, 48MP/48MP, iOS 27

Apple iPhone Duo 512GB Night Sky. Display diagonal: 19.3 cm (7.6"), Display resolution: 1878 x 2670 pixels. Processor family: Apple, Processor model: A20 Pro. Internal storage capacity: 512 GB. Rear camera resolution (numeric): 48 MP, Rear camera type: Dual camera. SIM card capability: Dual SIM. Operating system installed: iOS 27. Battery capacity: 4883 mAh. Product colour: Dark Blue. Weight: 254 g






| Display | |
|---|---|
| Display diagonal * | 19.3 cm (7.6") |
| Screen shape | Flat |
| Display technology marketing name | Super Retina XDR |
| Panel type | OLED |
| Display glass type | Ceramic Shield 2 |
| Display resolution * | 1878 x 2670 pixels |
| Contrast ratio (typical) | 2000000:1 |
| Maximum refresh rate | 120 Hz |
| Display brightness | 1000 cd/m² |
| Maximum display brightness (HDR) | 1600 cd/m² |
| Maximum display brightness (Outdoor) | 3000 cd/m² |
| Display brightness (min) | 1 cd/m² |
| High Dynamic Range (HDR) supported | ✔ |
| High Dynamic Range (HDR) technology | Dolby Vision, High Dynamic Range 10 (HDR10), High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG) |
| Pixel density | 430 ppi |
| Oleophobic coating | ✔ |
| Brand specific technologies | Always-on display, Dynamic Island, Haptic touch, ProMotion, True Tone, Wide color (P3) |
| Fingerprint resistant | ✔ |
| Rounded display corners | ✔ |
| Second display | ✔ |
| Second display diagonal | 13.7 cm (5.4") |
| Second display resolution | 1398 x 2034 pixels |
| Second display brightness | 1000 cd/m² |

| Network | |
|---|---|
| AirPlay | ✔ |
| iBeacon | ✔ |
| MIMO | ✔ |
| Near Field Communication (NFC) | ✔ |
| **Subscription** | |
| Subscription type * | No subscription |
| **Ports & interfaces** | |
| USB port | ✔ |
| USB connector type | USB Type-C |
| USB version | 3.2 Gen 2 (3.1 Gen 2) |
| **Navigation** | |
| GPS (satellite) | ✔ |
| NavIC | ✔ |
| GLONASS | ✔ |
| BeiDou | ✔ |
| Galileo | ✔ |
| Quasi-Zenith Satellite System (QZSS) | ✔ |
| Electronic compass | ✔ |
| Position location * | ✔ |
| Wi-Fi positioning | ✔ |
| **Design** | |
| Form factor * | Fold |
| Product colour * | Dark Blue |
| Colour name | Night Sky |

| Display | |
|---|---|
| Second display maximum brightness | 3000 cd/m² |
| Second display type | Super Retina XDR |
| Second display pixel density | 460 ppi |
| Second display glass type | Ceramic Shield |
| Second display refresh rate | 120 Hz |

| Processor | |
|---|---|
| Processor family * | Apple |
| Processor model * | A20 Pro |
| Processor cores | 6 |
| Performance cores | 2 |
| Efficient cores | 4 |
| Number of neural processor units (NPUs) | 2 |
| Neural processor unit (NPU) | Apple Neural Engine (ANE) |
| Neural processor unit (NPU) cores | 16 |
| Hardware-accelerated ray tracing | ✔ |

| Storage | |
|---|---|
| Internal storage capacity * | 512 GB |
| Compatible memory cards * | Not supported |

| Camera | |
|---|---|
| Rear camera resolution (numeric) * | 48 MP |
| Second rear camera resolution (numeric) | 48 MP |
| Rear camera aperture number | 1.6 |
| Second rear camera aperture number | 2.2 |
| Second rear camera field of view (FOV) angle | 120° |
| Rear camera focal length | 2.6 cm |
| Second rear camera focal length | 1.3 cm |
| Lens cover material | Sapphire crystal |
| Lens correction | ✔ |
| Rear camera lens name | Fusion Main |
| Second rear camera lens name | Fusion Ultra Wide |
| Optical zoom | 4x |
| Optical zoom in | 2x |
| Optical zoom out | 2x |
| Digital zoom | 10x |
| Front camera type * | Single camera |
| Front camera resolution (numeric) * | 18 MP |
| Front camera aperture number | 2.2 |
| Rear camera flash * | ✔ |
| Front camera flash | ✘ |
| 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@24fps, 3840x2160@25fps, 3840x2160@30fps, 3840x2160@60fps |
| Video recording modes | 720p, 1080p, 2160p |
| Rear camera type * | Dual camera |
| Auto focus | ✔ |
| 3D depth rear camera | ✘ |
| 3D depth front camera | ✘ |

| Design | |
|---|---|
| Back glass type | Ceramic Shield |
| Magnet array | ✔ |
| Protection features | Dust resistant, Splash proof, Water resistant |
| Waterproof up to | 6 m |
| Housing material | Aluminium, Titanium, Glass |

| Performance | |
|---|---|
| Video call | ✔ |
| Fast charging | ✔ |
| Wireless charging | ✔ |
| Wireless charging power | 25 W |
| Graphics card cores | 7 |
| AI control | ✔ |
| Emergency SOS (satellite) | ✔ |
| Crash detection | ✔ |
| Fingerprint reader | ✔ |
| Face recognition | ✔ |
| 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 |
| Speakerphone | ✔ |
| Voice commands | ✔ |
| Hearing aid compatibility | ✔ |
| Action button | ✔ |
| Action button features | Accessibility, Camera, Controls, Flashlight, Focus, Magnifier, Recognize Music, Shortcut, Silent mode, Translate, Visual Intelligence, Voice Memo |
| Camera button | ✔ |
| Screen sharing | ✔ |
| Spatial audio | ✔ |
| Voice isolation | ✔ |
| Wide Spectrum | ✔ |
| Roadside assistance | ✔ |
| Supports Apple Pencil | ✔ |
| Vibrating alert | ✔ |
| Country of origin | China |

| Multimedia | |
|---|---|
| Speakers | stereo |
| Audio formats supported | AAC, ALAC, APAC, FLAC, MP3 |
| Video formats supported | AV1, H.264, HEVC |

| Software | |
|---|---|
| Platform * | iOS |
| Operating system installed * | iOS 27 |
| App distribution platform | Apple App Store |
| Virtual assistant | Apple Siri |
| Apple Intelligence | ✔ |

| Camera | |
|---|---|
| Face detection | ✔ |
| Camera High Dynamic Range (HDR) mode | ✔ |
| Time lapse mode | ✔ |
| Video stabilizer | ✔ |
| Image stabilizer | ✔ |
| Image stabilizer type | Optical Image Stabilization (OIS) |
| Geotagging | ✔ |
| Night mode | ✔ |
| Photonic Engine | ✔ |
| Deep Fusion | ✔ |
| Portrait Lighting | ✔ |
| QuickTake video | ✔ |
| Stereo recording | ✔ |
| Camera button controls | Cameras, Depth, Exposure, Styles, Tone, Zoom |
| Panorama | ✔ |
| Portrait mode | ✔ |
| Macro photography | ✔ |
| Spatial photos | ✔ |
| Wind noise reduction | ✔ |
| Slow motion mode | ✔ |
| Camera image formats supported | HEIF, JPEG |
| Camera video formats supported | H.264, HEVC |
| Audio zoom | ✔ |

| Network | |
|---|---|
| SIM card capability * | Dual SIM |
| Mobile network generation * | 5G |
| SIM card type * | eSIM |
| Wireless networking chip | Apple N1 |
| Modem chipset | Apple C2 |
| 3G standards * | HSPA+, UMTS |
| 4G standard * | LTE-TDD & LTE-FDD |
| 5G standard * | NR, NR mmWave, Sub6 |
| Voice over LTE (VoLTE) supported | ✔ |
| Top Wi-Fi standard * | Wi-Fi 7 (802.11be) |
| Wi-Fi | ✔ |
| Wi-Fi standards | Wi-Fi 7 (802.11be) |
| Bluetooth * | ✔ |
| Bluetooth version | 6.0 |
| Bluetooth Low Energy (BLE) | ✔ |
| Frequency band | Penta-band |
| 3G bands supported | 850,900,1700,1900,2100 MHz |
| 4G data rate (max) | 1000 Mbit/s |

| Software | |
|---|---|
| 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 11.0 Big Sur, Mac OS X 12.0 Monterey, Mac OS X 13.0 Ventura, Mac OS X 14.0 Sonoma, Mac OS X 15.0 Sequoia |

| Battery | |
|---|---|
| Battery technology | Lithium-Ion (Li-Ion) |
| Number of batteries | 2 |
| Battery weight | 69.94 g |
| Battery endurance in cycles * | 1000 |
| Battery capacity * | 4883 mAh |
| Continuous video playback time (max) | 31 h |
| Continuous video playback time (streamed) (max) | 26 h |
| Rechargeable battery | ✔ |

| Sensors | |
|---|---|
| Proximity sensor | ✔ |
| Accelerometer | ✔ |
| Ambient light sensor | ✔ |
| Gyroscope | ✔ |
| Barometer | ✔ |
| Magnetic sensor | ✔ |

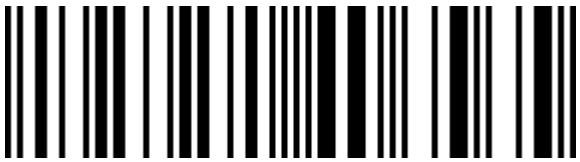
| Power | |
|---|---|
| USB Type-C charging port * | ✔ |
| USB Power Delivery (USB PD) | ✔ |
| USB Type-C required charging power (min) * | 4.5 W |
| USB Type-C required charging power (max) * | 45 W |

| Endurance | |
|---|---|
| Energy efficiency class * | A |
| Energy efficiency scale | A to G |
| Battery endurance per cycle * | 3090 min |
| Repeated free fall reliability class * | B |
| Repairability class * | C |
| International Protection (IP) code * | IP68 |

| Weight & dimensions | |
|---|---|
| Width | 164.6 mm |
| Depth | 5.2 mm |
| Height | 117.8 mm |
| Weight * | 254 g |
| Folded width | 8.41 cm |
| Folded depth | 1.13 cm |
| Folded height | 11.8 cm |

| Packaging data | |
|---|---|
| Package width | 138.3 mm |
| Package depth | 184 mm |

| | |
|---|---|
| **Packaging data** | |
| Package height | 24.2 mm |
| Package weight | 0.465 g |
| **Packaging content** | |
| AC adapter included * | ✗ |
| Quick start guide | ✔ |
| 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 |
| **Technical details** | |
| Pre-installed applications | Apple Store, App Store, Books, Calculator, Calendar, Camera, Clips, Clock, Compass, Contacts, FaceTime, Files Find My Fitness,, Freeform, GarageBand, Health, Home, iMovie, iTunes Store, Journal, 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 |



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