



# 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. Product colour: Dark Blue. Weight: 254 g

| Display                              |                                                                                                          | Network                              |                            |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------|
| Display diagonal *                   | 19.3 cm (7.6")                                                                                           | Wi-Fi standards                      | Wi-Fi 7 (802.11be)         |
| Screen shape                         | Flat                                                                                                     | Bluetooth *                          | ✓                          |
| Display technology marketing name    | Super Retina XDR                                                                                         | Bluetooth version                    | 6.0                        |
| Panel type                           | OLED                                                                                                     | Bluetooth Low Energy (BLE)           | ✓                          |
| Display glass type                   | Ceramic Shield 2                                                                                         | Frequency band                       | Penta-band                 |
| Display resolution *                 | 1878 x 2670 pixels                                                                                       | 3G bands supported                   | 850,900,1700,1900,2100 MHz |
| Contrast ratio (typical)             | 2000000:1                                                                                                | 4G data rate (max)                   | 1000 Mbit/s                |
| Maximum refresh rate                 | 120 Hz                                                                                                   | AirPlay                              | ✓                          |
| Display brightness                   | 1000 cd/m²                                                                                               | iBeacon                              | ✓                          |
| Maximum display brightness (HDR)     | 1600 cd/m²                                                                                               | MIMO                                 | ✓                          |
| Maximum display brightness (Outdoor) | 3000 cd/m²                                                                                               | Near Field Communication (NFC)       | ✓                          |
| Display brightness (min)             | 1 cd/m²                                                                                                  | Subscription                         |                            |
| High Dynamic Range (HDR) supported   | ✓                                                                                                        | Subscription type *                  | No subscription            |
| High Dynamic Range (HDR) technology  | Dolby Vision, High Dynamic Range 10 (HDR10), High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG) | Ports & interfaces                   |                            |
| Pixel density                        | 430 ppi                                                                                                  | USB port                             | ✓                          |
| Oleophobic coating                   | ✓                                                                                                        | USB connector type                   | USB Type-C                 |
| Brand specific technologies          | Always-on display, Dynamic Island, Haptic touch, ProMotion, True Tone, Wide color (P3)                   | USB version                          | 3.2 Gen 2 (3.1 Gen 2)      |
| Fingerprint resistant                | ✓                                                                                                        | Navigation                           |                            |
| Rounded display corners              | ✓                                                                                                        | GPS (satellite)                      | ✓                          |
| Second display                       | ✓                                                                                                        | NavIC                                | ✓                          |
| Second display diagonal              | 13.7 cm (5.4")                                                                                           | GLONASS                              | ✓                          |
| Second display resolution            | 1398 x 2034 pixels                                                                                       | BeiDou                               | ✓                          |
| Second display brightness            | 1000 cd/m²                                                                                               | Galileo                              | ✓                          |
|                                      |                                                                                                          | Quasi-Zenith Satellite System (QZSS) | ✓                          |
|                                      |                                                                                                          | Electronic compass                   | ✓                          |

| Display                                      |                           | Navigation                   |                                                                                                                                                                                                                                           |
|----------------------------------------------|---------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Second display maximum brightness            | 3000 cd/m²                | Position location *          | ✓                                                                                                                                                                                                                                         |
| Second display type                          | Super Retina XDR          | Wi-Fi positioning            | ✓                                                                                                                                                                                                                                         |
| Second display pixel density                 | 460 ppi                   | Design                       |                                                                                                                                                                                                                                           |
| Second display glass type                    | Ceramic Shield            | Form factor *                | Fold                                                                                                                                                                                                                                      |
| Second display refresh rate                  | 120 Hz                    | Product colour *             | Dark Blue                                                                                                                                                                                                                                 |
| Processor                                    |                           | Colour name                  | Night Sky                                                                                                                                                                                                                                 |
| Processor family *                           | Apple                     | Back glass type              | Ceramic Shield                                                                                                                                                                                                                            |
| Processor model *                            | A20 Pro                   | Magnet array                 | ✓                                                                                                                                                                                                                                         |
| Processor cores                              | 6                         | Protection features          | Dust resistant, Splash proof, Water resistant                                                                                                                                                                                             |
| Performance cores                            | 2                         | Waterproof up to             | 6 m                                                                                                                                                                                                                                       |
| Efficient cores                              | 4                         | Housing material             | Aluminium, Titanium, Glass                                                                                                                                                                                                                |
| Number of neural processor units (NPUs)      | 2                         | Performance                  |                                                                                                                                                                                                                                           |
| Neural processor unit (NPU)                  | Apple Neural Engine (ANE) | Video call                   | ✓                                                                                                                                                                                                                                         |
| Neural processor unit (NPU) cores            | 16                        | Fast charging                | ✓                                                                                                                                                                                                                                         |
| Hardware-accelerated ray tracing             | ✓                         | Wireless charging            | ✓                                                                                                                                                                                                                                         |
| Storage                                      |                           | Wireless charging power      | 25 W                                                                                                                                                                                                                                      |
| Internal storage capacity *                  | 512 GB                    | Graphics card cores          | 7                                                                                                                                                                                                                                         |
| Compatible memory cards *                    | Not supported             | AI control                   | ✓                                                                                                                                                                                                                                         |
| Camera                                       |                           | Emergency SOS (satellite)    | ✓                                                                                                                                                                                                                                         |
| Rear camera resolution (numeric) *           | 48 MP                     | Crash detection              | ✓                                                                                                                                                                                                                                         |
| Second rear camera resolution (numeric)      | 48 MP                     | Fingerprint reader           | ✓                                                                                                                                                                                                                                         |
| Rear camera aperture number                  | 1.6                       | Face recognition             | ✓                                                                                                                                                                                                                                         |
| Second rear camera aperture number           | 2.2                       | 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 |
| 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          | Speakerphone                 | ✓                                                                                                                                                                                                                                         |
| Lens correction                              | ✓                         | Voice commands               | ✓                                                                                                                                                                                                                                         |
| Rear camera lens name                        | Fusion Main               | Hearing aid compatibility    | ✓                                                                                                                                                                                                                                         |
| Second rear camera lens name                 | Fusion Ultra Wide         | Action button                | ✓                                                                                                                                                                                                                                         |
| Optical zoom                                 | 4x                        | Action button features       | Accessibility, Camera, Controls, Flashlight, Focus, Magnifier, Recognize Music, Shortcut, Silent mode, Translate, Visual Intelligence, Voice Memo                                                                                         |
| Optical zoom in                              | 2x                        |                              |                                                                                                                                                                                                                                           |
| Optical zoom out                             | 2x                        |                              |                                                                                                                                                                                                                                           |
| Digital zoom                                 | 10x                       |                              |                                                                                                                                                                                                                                           |
| Front camera type *                          | Single camera             | Camera button                | ✓                                                                                                                                                                                                                                         |
| Front camera resolution (numeric) *          | 18 MP                     | Screen sharing               | ✓                                                                                                                                                                                                                                         |
| Front camera aperture number                 | 2.2                       | Spatial audio                | ✓                                                                                                                                                                                                                                         |
| Rear camera flash *                          | ✓                         | Voice isolation              | ✓                                                                                                                                                                                                                                         |
| Front camera flash                           | ✗                         | Wide Spectrum                | ✓                                                                                                                                                                                                                                         |
| Video capture resolution (max)               | 3840 x 2160 pixels        | Roadside assistance          | ✓                                                                                                                                                                                                                                         |
| Maximum frame rate                           | 240 fps                   | Supports Apple Pencil        | ✓                                                                                                                                                                                                                                         |
| Resolution at capture speed                  | 1280x720@30fps,           | Vibrating alert              | ✓                                                                                                                                                                                                                                         |
|                                              | 1920x1080@120fps,         | Multimedia                   |                                                                                                                                                                                                                                           |
|                                              | 1920x1080@240fps,         | Speakers                     | stereo                                                                                                                                                                                                                                    |
|                                              | 1920x1080@25fps,          | Audio formats supported      | AAC, ALAC, APAC, FLAC, MP3                                                                                                                                                                                                                |
| Video recording modes                        | 1920x1080@30fps,          | Video formats supported      | AV1, H.264, HEVC                                                                                                                                                                                                                          |
|                                              | 1920x1080@60fps,          | Software                     |                                                                                                                                                                                                                                           |
|                                              | 3840x2160@24fps,          | Platform *                   | iOS                                                                                                                                                                                                                                       |
|                                              | 3840x2160@25fps,          | Operating system installed * | iOS 27                                                                                                                                                                                                                                    |
| Rear camera type *                           | 3840x2160@30fps,          | App distribution platform    | Apple App Store                                                                                                                                                                                                                           |
|                                              | 3840x2160@60fps           | Virtual assistant            | Apple Siri                                                                                                                                                                                                                                |
| Auto focus                                   | ✓                         | Apple Intelligence           | ✓                                                                                                                                                                                                                                         |
| 3D depth rear camera                         | ✗                         |                              |                                                                                                                                                                                                                                           |
| 3D depth front camera                        | ✗                         |                              |                                                                                                                                                                                                                                           |

| Camera                               |                                              | Software                                                                   |                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|----------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Face detection                       | ✓                                            | Windows operating systems supported<br><br>Mac 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 |
| 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                      | ✓                                            |                                                                            | 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                                                                                                                                                                         |
| Deep Fusion                          | ✓                                            |                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |
| Portrait Lighting                    | ✓                                            |                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |
| QuickTake video                      | ✓                                            |                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |
| Stereo recording                     | ✓                                            |                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |
| Camera button controls               | Cameras, Depth, Exposure, Styles, Tone, Zoom | <b>Battery</b>                                                             |                                                                                                                                                                                                                                                                                                                                                                       |
| Panorama                             | ✓                                            | Battery technology                                                         | Lithium-Ion (Li-Ion)                                                                                                                                                                                                                                                                                                                                                  |
| Portrait mode                        | ✓                                            | Number of batteries                                                        | 2                                                                                                                                                                                                                                                                                                                                                                     |
| Macro photography                    | ✓                                            | Continuous video playback time (max)                                       | 31 h                                                                                                                                                                                                                                                                                                                                                                  |
| Spatial photos                       | ✓                                            | Continuous video playback time (streamed) (max)                            | 26 h                                                                                                                                                                                                                                                                                                                                                                  |
| Wind noise reduction                 | ✓                                            | Rechargeable battery                                                       | ✓                                                                                                                                                                                                                                                                                                                                                                     |
| Slow motion mode                     | ✓                                            | <b>Sensors</b>                                                             |                                                                                                                                                                                                                                                                                                                                                                       |
| Camera image formats supported       | HEIF, JPEG                                   | Proximity sensor                                                           | ✓                                                                                                                                                                                                                                                                                                                                                                     |
| Camera video formats supported       | H.264, HEVC                                  | Accelerometer                                                              | ✓                                                                                                                                                                                                                                                                                                                                                                     |
| Audio zoom                           | ✓                                            | Ambient light sensor                                                       | ✓                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Network</b>                       |                                              | Gyroscope                                                                  | ✓                                                                                                                                                                                                                                                                                                                                                                     |
| SIM card capability *                | Dual SIM                                     | Barometer                                                                  | ✓                                                                                                                                                                                                                                                                                                                                                                     |
| Mobile network generation *          | 5G                                           | Magnetic sensor                                                            | ✓                                                                                                                                                                                                                                                                                                                                                                     |
| SIM card type *                      | eSIM                                         | <b>Power</b>                                                               |                                                                                                                                                                                                                                                                                                                                                                       |
| Wireless networking chip             | Apple N1                                     | USB Type-C charging port *                                                 | ✓                                                                                                                                                                                                                                                                                                                                                                     |
| Modem chipset                        | Apple C2                                     | USB Power Delivery (USB PD)                                                | ✓                                                                                                                                                                                                                                                                                                                                                                     |
| 3G standards *                       | HSPA+, UMTS                                  | <b>Endurance</b>                                                           |                                                                                                                                                                                                                                                                                                                                                                       |
| 4G standard *                        | LTE-TDD & LTE-FDD                            | International Protection (IP) code *                                       | IP68                                                                                                                                                                                                                                                                                                                                                                  |
| 5G standard *                        | NR, NR mmWave, Sub6                          | <b>Weight &amp; dimensions</b>                                             |                                                                                                                                                                                                                                                                                                                                                                       |
| Voice over LTE (VoLTE) supported     | ✓                                            | Width                                                                      | 164.6 mm                                                                                                                                                                                                                                                                                                                                                              |
| Top Wi-Fi standard *                 | Wi-Fi 7 (802.11be)                           | Depth                                                                      | 5.2 mm                                                                                                                                                                                                                                                                                                                                                                |
| Wi-Fi                                | ✓                                            | Height                                                                     | 117.8 mm                                                                                                                                                                                                                                                                                                                                                              |
|                                      |                                              | Weight *                                                                   | 254 g                                                                                                                                                                                                                                                                                                                                                                 |
|                                      |                                              | Folded width                                                               | 8.41 cm                                                                                                                                                                                                                                                                                                                                                               |
|                                      |                                              | Folded depth                                                               | 1.13 cm                                                                                                                                                                                                                                                                                                                                                               |
|                                      |                                              | Folded height                                                              | 11.8 cm                                                                                                                                                                                                                                                                                                                                                               |
|                                      |                                              | <b>Packaging data</b>                                                      |                                                                                                                                                                                                                                                                                                                                                                       |
|                                      |                                              | Package width                                                              | 138.3 mm                                                                                                                                                                                                                                                                                                                                                              |
|                                      |                                              | Package depth                                                              | 184 mm                                                                                                                                                                                                                                                                                                                                                                |
|                                      |                                              | Package height                                                             | 24.2 mm                                                                                                                                                                                                                                                                                                                                                               |
|                                      |                                              | Package weight                                                             | 0.465 g                                                                                                                                                                                                                                                                                                                                                               |
|                                      |                                              | <b>Packaging content</b>                                                   |                                                                                                                                                                                                                                                                                                                                                                       |
|                                      |                                              | AC adapter included *                                                      | ✗                                                                                                                                                                                                                                                                                                                                                                     |
|                                      |                                              | Quick start guide                                                          | ✓                                                                                                                                                                                                                                                                                                                                                                     |
|                                      |                                              | Cables included                                                            | USB Type-C                                                                                                                                                                                                                                                                                                                                                            |
|                                      |                                              | <b>Operational conditions</b>                                              |                                                                                                                                                                                                                                                                                                                                                                       |
|                                      |                                              | Operating temperature (T-T)                                                | 0 - 35 °C                                                                                                                                                                                                                                                                                                                                                             |
|                                      |                                              | Storage temperature (T-T)                                                  | -20 - 45 °C                                                                                                                                                                                                                                                                                                                                                           |
|                                      |                                              | Operating relative humidity (H-H)                                          | 5 - 95%                                                                                                                                                                                                                                                                                                                                                               |

| Operational conditions     |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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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