**Hardware requirements for a mobile app (iOS)**

| ***Minimum hardware requirements for the iOS platform:*** | ***Recommended requirements:*** | ***Actual mobile device for testing:***  ***Apple iPhone 13 Pro*** |
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| 1. **Operating system:** iOS 11 or later | * latest available version of iOS | * iOS 17.3.1   [OS Apple.jpg](https://drive.google.com/file/d/1ErGsWGisBK80t60FhJmF31mRCO6VlevK/view?usp=sharing)(based on app AIDA64) |
| 1. **Supported devices:** iPhone 5s or later, iPad Air or later | * iPhone 6 or later, iPad Air 2 or later | * Apple iPhone 13 Pro |
| 1. **Processor:** dual-core processor (e.g., Apple A7 or later) | * a more powerful processor, such as Apple A10 or newer | * Apple A15 Bionic (5 nm) * Hexa-core (2x3.23 GHz Avalanche + 4x1.82 GHz Blizzard)   [Processor Apple.jpg](https://drive.google.com/file/d/1EqO_tlb3YJqJQf8oeLNZtcxF1x1ksMwa/view?usp=sharing)(based on app AIDA64) |
| 1. **RAM:** at least 1 GB RAM | * minimum 2 GB RAM or more | * 6GB RAM   [Memory Apple.jpg](https://drive.google.com/file/d/1F6vzzVP9G9C--7hCnjxnHuIohLRuZbpg/view?usp=sharing)(based on app AIDA64) |
| 1. **Internal memory:** free space from 50 MB to 100 MB for the application itself | * recommended free space from 200 MB to 500 MB for possible data storage and cache | * 256 GB   [Memory Apple.jpg](https://drive.google.com/file/d/1F6vzzVP9G9C--7hCnjxnHuIohLRuZbpg/view?usp=sharing)(based on app AIDA64) |
| 1. **Screen:** resolution of at least 320 x 568 pixels (for iPhone 5s and similar models). | * resolution of 750 x 1334 pixels or higher, recommended screen size of 4.7 inches or more for comfortable display of large amounts of information | * Super Retina XDR OLED, 120Hz, HDR10, Dolby Vision, 1000 nits (HBM), 1200 nits (peak) * 1170 x 2532 pixels, 19.5:9 ratio (~460 ppi density) * 6.1 inches, 90.2 cm2 (~86.0% screen-to-body ratio)   [Display Apple.jpg](https://drive.google.com/file/d/1F8Pz-KB8iJ8PjTvj1uEAR1I3VstCOgQ4/view?usp=sharing)(based on app AIDA64) |
| 1. **Internet:** Internet connection via Wi-Fi or mobile data (3G/4G/5G) | * support for a fast Internet connection (Wi-Fi or mobile) | * Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, hotspot * GSM / CDMA / HSPA / EVDO / LTE / 5G   [Network Apple.jpg](https://drive.google.com/file/d/1FC26C5w1fi2Dz6UC95E_k1xPWx1iBbfC/view?usp=sharing)(based on app AIDA64) |
| 1. **Camera:** the presence of a front and rear camera (for the possibility of uploading photos of goods, as well as a possible barcode scanning function). |  | **Rear camera**   * 12 MP, f/1.5, 26mm (wide), 1/1.7", 1.9µm, dual pixel PDAF, sensor-shift OIS * 12 MP, f/2.8, 77mm (telephoto), PDAF, 1/3.4", 1.0µm, OIS, 3x optical zoom * 12 MP, f/1.8, 13mm, 120˚ (ultrawide), 1/3.4", 1.0µm, PDAF * TOF 3D LiDAR scanner (depth)   [Back camera Apple.jpg](https://drive.google.com/file/d/1FDRG1X-kOCeboXjm4TjvuBbnC6oyOf6C/view?usp=sharing)(based on app AIDA64)  **Front camera**   * 12 MP, f/2.2, 23mm (wide), 1/3.6" * SL 3D, (depth/biometrics sensor)   [Front camera Apple.jpg](https://drive.google.com/file/d/1FCy15VvTRPQAkdYo_CxLOFalvLEVgNLA/view?usp=sharing)(based on app AIDA64) |
| 1. **Geolocation:** support for GPS or other location mechanisms (if the app has geolocation-related features, such as showing stores around the user). |  | * Built-in GPS, GLONASS, Galileo, QZSS, and BeiDou |
|  | * **Battery:** battery capacity that ensures normal operation during a day of active use | * Li-Ion 3095 mAh, non-removable (12.11 Wh)   [Battery Apple.jpg](https://drive.google.com/file/d/1Emx62yZ9TSO6I4b_wwiITxWqU5WCI3s0/view?usp=sharing)(based on app AIDA64) |
|  | * **Touch screen:** multi-touch support for easy navigation and zooming. | * Face ID, * accelerometer, * gyro, * proximity, * compass, * barometer * Ultra Wideband (UWB) support |

## Comments

After analyzing the hardware requirements for Apple iOS and comparing it with the actual mobile device (Apple iPhone 13 Pro), we can summarize that this device fully and completely corresponds to the declared characteristics.

All operations with application SKYBOT are smooth and stable. Application works properly on the device without errors and delays.

1. Application SKYBOT works properly with Apple iOS (the latest) - 17.3.1!
2. ***Screen resolution***

Application SKYBOT has a perfect visual presentation on a Super Retina XDR OLED, 120Hz, HDR10, Dolby Vision, 1000 nits (HBM), 1200 nits (peak)

1. ***Screen orientation***

Application works properly in the portrait mode, *but does not support landscape mode*

1. ***Different screen sizes***

Application SKYBOT works correctly with screen size 1170 x 2532 pixels, 6.1 inches. interface elements are correctly located and conveniently used on the device

1. The application works with excellent performance on this device

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## Recommendations

For Apple iOS system I would recommend to include additional characteristics:

1. To define Video Supported Formats (as we have functions of watching and uploading videos)
2. To define Image Supported Formats (as we have functions of uploading photos to the application)

One of the main recommendations is to choose the oldest supported iPhone.

With the release of iOS 17, there are three more iPhone models that won't run Apple's latest mobile operating system: **iPhone 8, iPhone 8 Plus and iPhone X.** Apple stopped providing feature upgrades for the iPhone 6 and iPhone 7 series with the release of iOS 16 last year. (based on - <https://www.cnet.com/tech/mobile/no-ios-17-update-on-your-iphone-heres-why/>)