

Top PC emulators, best PC emulators for computers.

Android emulator software allows you to run Android and play Android games on your computer. If you're unsure which Android emulator software or application to choose, here are 10 suggestions for emulating Android on your computer.

What is an Android emulator? It's software that allows users to run and test Android applications on a computer, instead of on an Android device like a smartphone or tablet. PC emulators mimic the functionality of an Android phone or tablet, allowing developers to test and debug their applications in a controlled environment.

In this article, TipsMake.com will recommend a list of the 20 best and most popular Android emulator software currently available.

Note : Some new games and applications may not yet be updated on the Android emulator software. In that case, you can download the APK file from some reputable websites and install it directly into the emulator.

1. LDPlayer

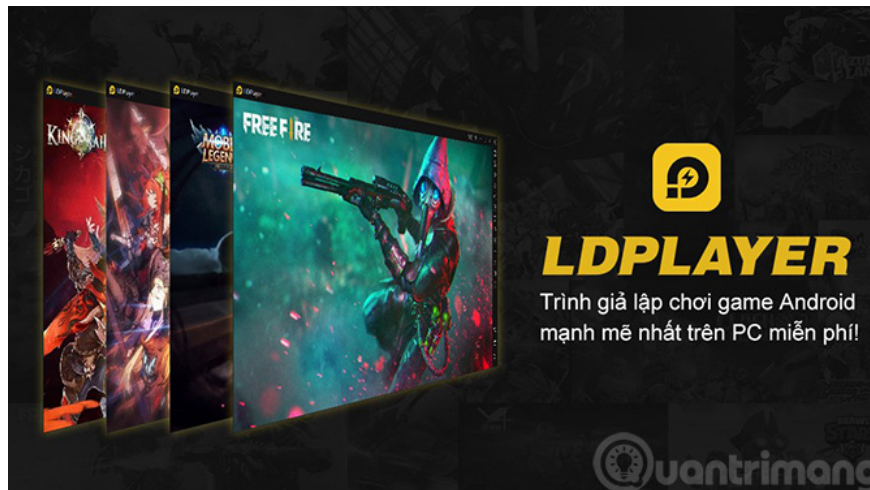
LDPlayer is an Android emulator designed for gamers. It not only runs Android on your PC but also offers powerful gamer-oriented features. These include excellent keyboard mapping controls and support for the latest games. You can also specify the virtual device position, simulate screen rotation, access the Google Play Store, and more. The software allows you to run Android apps on your PC much faster than on your phone or tablet.

Currently, LDPlayer has versions 3, 4, and 9. LDPlayer 9 was released in July 2022! Based on the Android Pie operating system, LDPlayer 9 supports Android 9 games with better performance. You can play both 64-bit and 32-bit games in this version.



Using LDPlayer, you will get:

1. Experience the full Android experience with well-developed Android 5.1, Android 7.1 & Android 9.
2. Play Android games on PC using keyboard and mouse.
3. Best compatibility and extensive functionality settings (CPU, RAM, resolution, device model, root mode, shortcuts, exclusive game settings, etc.)
4. Multiple versions to play multiple games at the same time.
5. GPS location simulation
6. Share files between your Windows and Android devices.
7. No installation fee and no worries about excessive ads.
8. Positive updates almost monthly.



LDPlayer is one of the Android emulators for PC on the market with superior performance. Continuously updated and optimized, LDPlayer can provide players with a top-notch gaming experience. Download LDPlayer for free now to start enjoying Android games on your PC.



Minimum system requirements

1. Intel or AMD x86/x86_64 CPU
2. Windows XP XP3/Win7/Win8/Win8.1/Win10
3. Windows DirectX 11/Graphics driver with OpenGL 2.0
4. Minimum system memory (RAM) of 2GB
5. Minimum 36GB of free hard drive space.
6. Hardware virtualization technology (Intel VT-x/AMD-V) is enabled in the BIOS.

Recommended specifications for LDPlayer

1. CPU: Intel i5 7500 or higher
2. RAM: 8GB or more
3. Disk space: 100GB
4. Graphics card: NVIDIA GeForce GTX 750 Ti or higher

2. MEmu

Price: Free

MEmu is a free Android emulator that allows you to use your Android mobile phone on a Microsoft Windows PC. Your Android home screen will appear on a larger desktop. MEmu Play is a popular app for gamers. You can use many applications with this Android emulator. The developer of MEmu is Microvirt.



The main interface of the MEMu Android emulator on PC.

Along with BlueStacks, MEMu is one of the leading platforms used for playing Android games on PC. You'll experience fast frame rates with both solutions, similar user interfaces, and both feature vertical icon bars alongside the main interface. Additionally, you can use multiple instances with the MEMu app to launch separate sessions simultaneously.

MEMu offers an ideal feature that allows you to fake your GPS location. The GPS spoofing command is optimal for certain games like Pokémon Go, as the GPS spoofing feature lets you pretend you're in a different location. The search bar allows you to easily find your destination. You can click the "**Locate position here**" button after dropping the pin at your preferred location.

Advantage:

1. Free and easy to use.
2. Supports multiple Android versions.
3. Good compatibility with Intel and AMD.
4. The ability to run multiple windows simultaneously.
5. Good and stable performance.

Disadvantages:

1. Advertisements are included in the free version.
2. Limited support for Google Play Store.
3. Potential security issues with third-party applications.
4. There may be compatibility issues with some applications.
5. Frequent errors and malfunctions.

Note : MEMu collects users' personal information. You can view the specific confidential data that the platform stores in the privacy policy. Additionally, MEMu Play shares this personal information with agents, third parties, and suppliers.

3. BlueStacks Android emulator software

Price: Free, ad-free

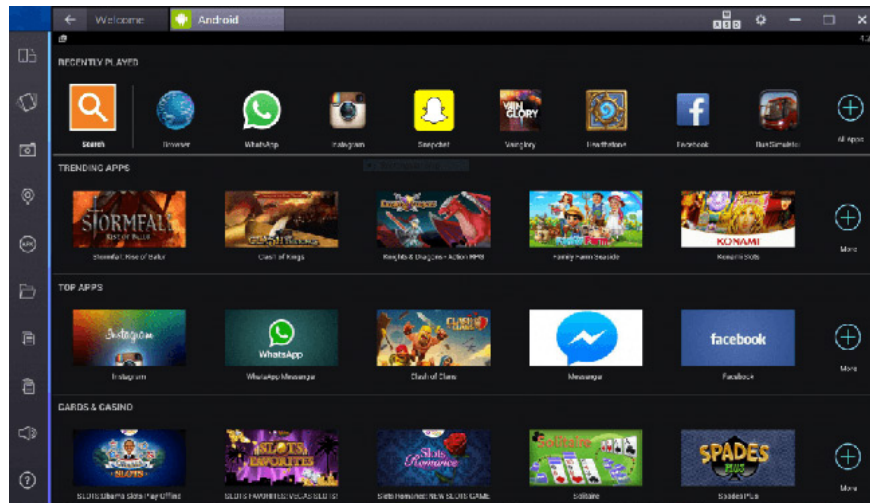
Bluestacks is the most famous name in the Android emulator field, not only on Windows but also on Mac. Overall, Bluestacks is a fast, stable, well-performing application with many modern features. It always supports the latest Android versions, comes pre-installed with the Google Play Store, supports installing games from external sources, keyboard mapping, many popular games are pre-installed, has screen vibration, location services, allows streaming games directly to Facebook, supports full-screen mode, and is frequently updated to improve performance and fix bugs.

Especially in Bluestacks 4, released in 2018, users can play multiple games simultaneously (or play the same game multiple times) thanks to Bluestacks' ability to open multiple emulator windows.

Due to its advanced features, Bluestacks is the heaviest Android emulator on the list. If you are using a high-end computer (check the system requirements for details) with good graphics support, BlueStacks will be a good choice. Besides requiring **high system specifications**, BlueStacks also forces users to watch ads to download games and often encounters minor bugs.

System requirements for Bluestacks 4:

1. Operating system: Windows 7 or later, Windows 10 is best.
2. Processor: Intel or AMD, preferably multi-threaded chips with a Single Thread PassMark score > 1000 and virtualization enabled in BIOS.
3. RAM: You need at least 2GB of RAM. I think this needs a little explanation; this 2GB of RAM is the free RAM used only for running Bluestacks, not the total RAM you have on your computer. So, your computer needs at least 4GB of RAM to install the software. However, it's recommended to have 8GB of RAM or more for smooth performance.
4. Hard drive: 4GB of free space, an SSD is even better.
5. Graphics card: Any brand of card will do, but the minimum PassMark score must be 750.
6. You need administrator privileges to install and run the software, and a broadband internet connection.
7. Update your computer's graphics drivers to the latest version.



The main interface of BlueStacks

Refer to the article on BlueStacks errors: A compilation of common BlueStacks errors and how to fix each one.

Advantage:

1. Free and easy to use.
2. Excellent compatibility with a wide range of Android games and applications.
3. Good and stable performance.
4. Support is available for a variety of cases.
5. Integrated with Google Play Store.

Disadvantages:

1. It's hardware-intensive and requires a powerful PC configuration.
2. Frequent errors, common glitches, and minor issues.
3. Customization options are limited.
4. Potential security risks associated with third-party applications.
5. There are ads in the free version.

The remaining software on the list only requires 4GB of RAM or more to run reasonably well; if you want smoother performance, 8GB of RAM should be sufficient.

4. NoxPlayer emulator software (for Android and MacOS)

Price: Free

NoxPlayer is an Android emulator that allows you to comfortably use almost any application from this operating system on your computer, such as Clash of Clans, Instagram, Subway Surfers, and Kitchen Stories.



NoxPlayer's operating system is based on Android 4.4.2, allowing you to use virtually any application in the extensive Android catalog. Furthermore, this version is arguably one of the most popular and widely used programs currently available, so many users are already familiar with it.

Another unique feature that Nox App Player offers is customizable control functions. When launching any application, you can create custom control functions very simply and intuitively. In less than a minute, configure your keyboard to adjust the buttons on your keyboard to suit any Android game. You'll even find options specifically designed for action games.

NoxPlayer supports multiple Android versions in a single installation package. NoxPlayer also allows you to run two or more Android versions simultaneously, even with different operating system versions if you wish.

You need to log in to your Google account to install games or apps from the Play Store and troubleshoot issues as if you were doing it on your phone. You can also create a new Google account specifically for NoxPlayer if you don't want to share your personal Google account.

NoxPlayer is a powerful Android emulator for Windows. Now your Windows PC can run any of the hundreds of apps originally created exclusively for Android – the world's most widely used smartphone operating system.



Key features of Nox Player:

1. This is one of the best emulators for PC that offers automatic controls in open-keyboard games that run with a single click, providing all mouse and keyboard game controls.
2. Nox Player is the default screen recorder with all the necessary tools to record your activities.
3. It offers the best user experience and outstanding performance.
4. Customize your game titles, play different games simultaneously, and burn multiple drives and scripts at the same time.
5. Compatible with various Windows versions such as Windows XP SP3 / Win7 / Win8 / Windows Vista / Win10
6. Play popular games like Arena of Valor, Free Fire, PUBG Mobile, Mobile Legends, Summoners War, State of Survival, Three Kingdoms, etc.
7. Runs on Android 5, Android 7, 9 and above.
8. It provides customer support via phone and email.
9. Multi-touch support: Yes
10. Battery status: Yes
11. Supported platforms: Windows, Android, and iOS
12. Paid packages: Packages start at \$14.49 per month.
13. Free plan: Basic plan is free for life.

Advantage:

1. Fast, easy to use, and highly customizable.
2. This app provides an excellent user experience.
3. Supports the use of joysticks and sketchpads.
4. Regular updates and bug fixes.
5. Supports multiple versions & multiple windows on one device.
6. Map shortcuts on the controller.

Disadvantages

1. Lagging occurs when opening multiple windows simultaneously.
2. Poor security protocol

You might also want to check out: Playing Android games on your computer using Nox App Player software

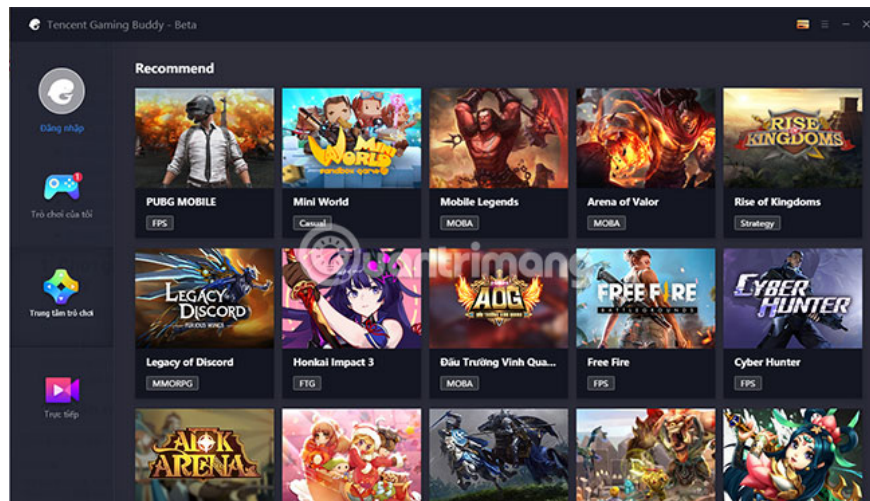
5. TGB or GameLoop

If you're a fan of PUBG Mobile or PUBG Mobile VNG, you're probably familiar with Tencent Gaming Buddy, or TGB, which was recently renamed GameLoop. This emulator was originally created to play Tencent's mobile games on a computer. Later, TGB was developed into an emulator for Android games on PCs.

With this Android emulator, you can improve your overall gaming experience and play games like PUBG on a larger screen. If you're a PUBG Mobile fan, this PUBG emulator will allow you to use enhanced control functions to enjoy the game with various configuration settings. Undoubtedly, Tencent Gaming Buddy delivers a comprehensive gaming experience.

Developed by Tencent, one of the world's largest game developers, Tencent Gaming Buddy is specifically aimed at PUBG fans. While PUBG remains a top title in the gaming industry, you can use the emulator to play many other Android games on your Windows PC. The application perfectly mimics the mobile versions of various games to ensure the best gaming experience.

Like Citra Emulator, Tencent Gaming Buddy works well with both high-end and low-end PCs. Therefore, you don't have to worry about your computer's hardware configuration to enjoy many games. However, it's worth noting that low-end PCs may experience issues such as poor frames per second (FPS) and occasional lag.



TGB's biggest strength is its lightweight design (only 10MB), smooth performance, and low resource consumption, unlike BlueStacks which requires incredibly high system specifications. Many of the hottest mobile games can be installed on this emulator, such as PUBG (both international and Vietnamese versions), Arena of Valor, Free Fire, etc. Because it focuses solely on game emulation, TGB does a great job. Many popular games are pre-installed; you can simply install them from within the TGB interface.

With its pre-installed games, TGB also optimizes key bindings for gamers; you don't need to install anything extra and can play immediately using only your keyboard and mouse. TGB is completely free to download and use, with no ads.

A drawback of TGB is the lack of Google Play Store integration; however, you can easily install .apk files onto TGB. The default interface of TGB is English, but changing the language to Vietnamese is also very simple.

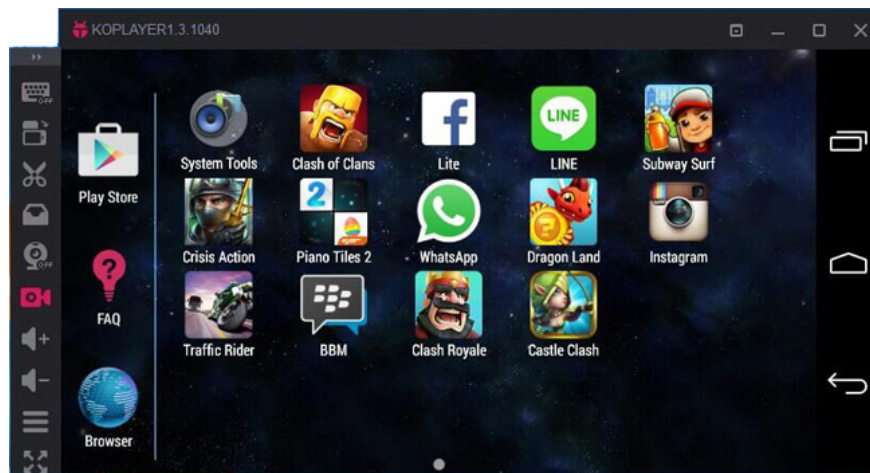
Compared to other Android emulators, this one has a simpler and cleaner interface. While using the program, you don't need any technical skills or knowledge. In fact, even beginners can use this program to play Android games on their PC without much difficulty.

6. KoPlayer

Price: Free

KoPlayer is a powerful Android emulator that lets you enjoy all kinds of apps and video games from your favorite smartphone and tablet operating system, directly from your PC. The best part is that you can do it surprisingly easily.

One of KoPlayer's best features is that you don't need to configure anything. Once the installation is complete, you just open the emulator for the first time and everything is ready to use: You can start downloading apps, browse the internet from the emulator, play any video game, etc.



KoPlayer Home Screen

KoPlayer also makes installing apps incredibly simple. The emulator comes with Google Play by default, making downloading apps really easy.

Another great feature is the myriad of possibilities KoPlayer offers you when you want to configure your controls. This emulator is specifically designed for playing video games, so it allows you to configure your controls easily and intuitively. In just seconds, you can configure your keyboard, mouse, and even your gamepad. You can play Angry Birds or Clash of Clans with a mouse and Asphalt: Nitro or Dead Trigger with your gamepad.

Other interesting features include the ability to freely take photos or record videos, as well as adjust your screen resolution. In other words, you can make your virtual Android screen smaller or larger at any time.

KoPlayer is an excellent Android emulator that offers you a wealth of high-quality features. This emulator allows you to enjoy a long catalog of Android video games directly from your PC with superior video and audio quality.

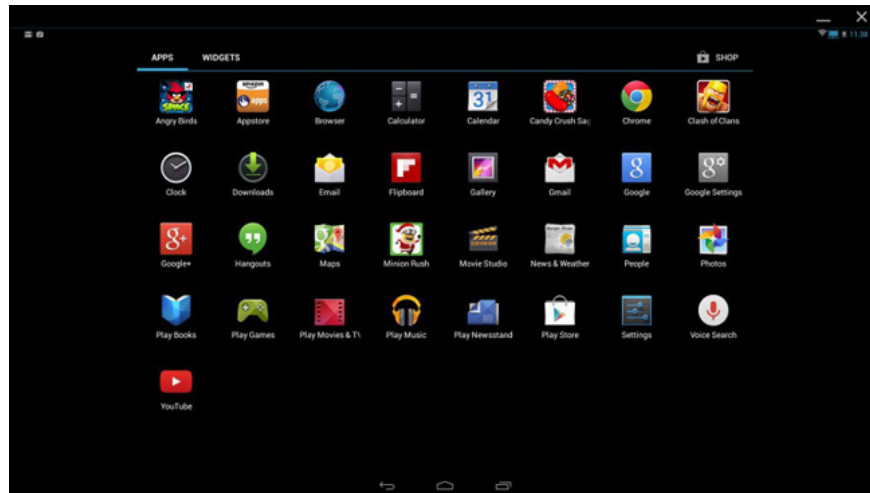
7. AMIDuOS Android Emulator

Price: Free trial, \$10, \$15

Download AMIDuOS

AMIDuOS is software that allows users to run Android applications on Windows PCs. It creates a virtual Android environment on the Windows operating system, allowing users to run Android applications as if they were running on the Android device itself. This can be useful for testing applications, running Android applications on a larger screen, or using applications not available for Windows.

When you install AMIDuOS, it creates a virtual Android environment on your Windows PC. This environment is a fully functional Android operating system, complete with the Google Play Store, so you can download and run any Android app available on the Google Play Store. The virtual Android environment runs inside a window on your Windows screen, allowing you to switch between Windows and Android apps easily.



The main interface of the AMIDuOS Android application running on a computer.

One of the main benefits of using AMIDuOS is that it allows you to run Android applications on a larger screen. This can be especially useful for applications not available for Windows, such as games or productivity apps. Additionally, it can be helpful for developers who want to test their applications on Windows machines before releasing them to the public.

Overall, AMIDuOS is a powerful emulator that allows you to run Android applications on a Windows PC. It's a great solution for anyone who wants to enjoy the benefits of an Android device on a larger screen or for anyone who needs to test their applications on a Windows machine.

8. Genymotion

Price: Free with paid options

Download Genymotion

Genymotion is a popular Android emulator based on VirtualBox. If you play graphically intensive 3D games, such as PUBG Mobile, which require 2GB or more of storage, Genymotion allows you to experience them on larger laptops or desktops without performance issues. It's easy to use, but also includes advanced features for developers and professional users.

This emulator is aimed at developers who want to test their apps and games on a range of Android devices without actually owning those phones. The emulator can be configured for multiple devices with different Android versions to suit testing needs. For example, running a Nexus One with Android 4.2 or a Nexus 6 with Android 6.0. The choice is yours, and switching between devices is easy.

Because the installation and configuration process is slightly more complex than other emulators, Genymotion is not suitable for casual users who only use emulators for checking email or playing games. However,

Genymotion offers a free service for personal use, so you can still try this software if you wish.



Genymotion's main interface

Genymotion comes with many features. It allows you to build virtual devices within the software. There are many aspects you can use for testing. You can test how GPS works or how the WiFi adapter will react to different settings.

Genymotion is compatible with the Android SDK and Studio. This means you can build your application within this software and immediately transfer it for testing on Genymotion. The program uses the x86 architecture and is extremely fast.

Opening the GApp widget allows you to check if Google Play works with the virtual device you're testing. You can also check if websites work within the system you've built. The software ensures every aspect of the device can be tested. You can even use your computer's webcam as the front or rear camera on your phone.

Some of Genymotion's advantages include:

1. Compatible with all ADB-based testing frameworks such as Appium, Espresso, Robotium, etc., and popular integration solutions like CircleCI, Bitrise, Terraform, etc.
2. Instant access to unlimited virtual devices, which can run concurrently for sharding or parallel testing.
3. Available from Android 4.4 to the latest Android versions, on all screen sizes and across multiple platforms including AWS, Google, Azure, and Alibaba.

9. Remix OS Player

Price: Free

Download Remix OS Player

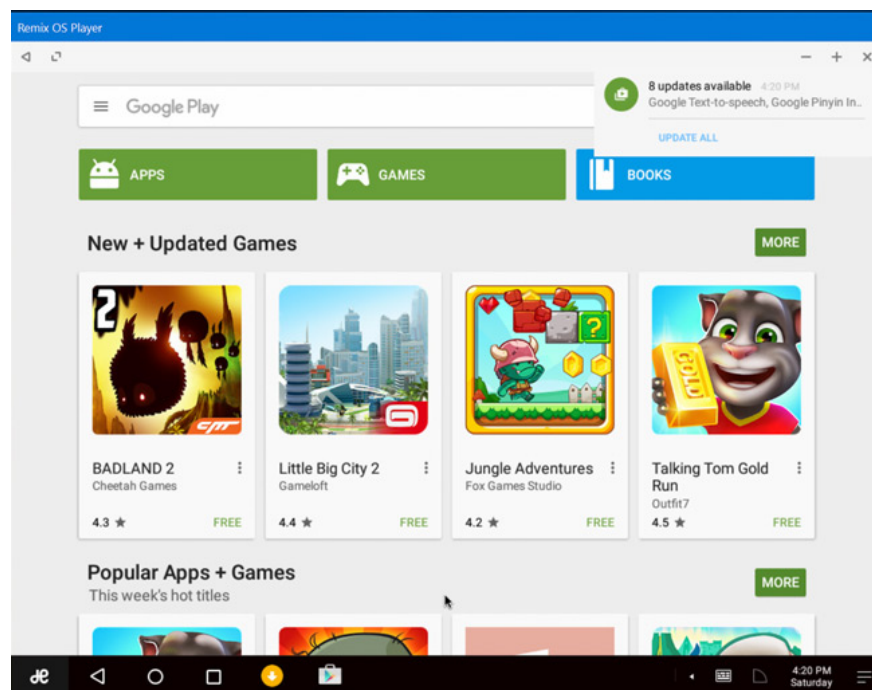
Remix OS Player, or simply Remix OS, developed by Jide, is also a new member in the field of Android emulators for computers.

Remix OS is an operating system that brings the Android experience to desktops and laptops, adapting the environment to PC standards. It's based on the Android-x86 project, allowing you to launch applications and take advantage of all the features of the Google environment.

The interface presents a multitasking screen that supports several layered windows, as well as a taskbar similar to that on Windows 10 and a remake of the notification bar. You can even right-click on different elements to open context menus and create shortcuts to access applications directly by pressing physical keys.

Remix OS combines all these features without neglecting key aspects of the Android system and its integration with your Gmail account. The operating system can be installed from a USB drive or run externally via a Live CD. It can also work alongside other operating systems and allows you to switch between them during boot.

Remix OS is the only emulator that runs **Android Marshmallow** instead of Android Lollipop or Kit Kat. Installation is quite simple and it's easy to use. It's designed primarily for gaming, so you'll have a wide range of options to customize your gaming experience to your liking. Unfortunately, Remix OS currently only supports AMD processors.



Access the Google Play Store on Windows to download the game with Remix OS Player.

Remix OS can be installed on a USB drive of 8GB or more and used as a portable system containing user documents and applications. Remix OS is an interesting alternative that goes far beyond simple emulators like Bluestacks, allowing you to boost the performance of less powerful devices and use Android applications even more efficiently on mobile devices.

1. How to install Android alongside Windows using Remix OS

10. Bliss

If you're tech-savvy and looking for an Android emulator other than the ones mentioned above, Bliss, based on Android 8 Oreo, is a pretty interesting option (it's free) and even updates faster than BlueStacks.

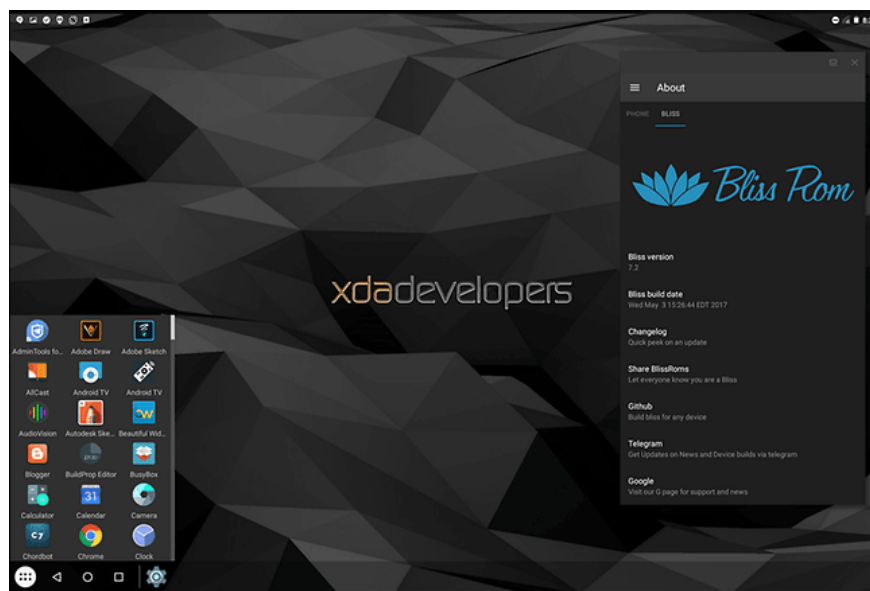
Bliss runs as a native or emulated operating system for PCs. These builds are compatible with PCs, MacBooks, and Chromebooks equipped with x86/x86_64 compatible CPUs, supporting both BIOS/CSM and UEFI boot.

Note : Emulator support is only available for KVM/QEMU versions. VMWare and VirtualBox are not officially supported.

Here's an overview of Bliss's appealing features:

1. **Focus on design** : Bliss includes numerous options for customization and theme changes across the operating system.
2. **Performance** : Bliss focuses on speed and stability with optimizations to support the most demanding applications.
3. **Regular updates** : Bliss developers provide regular updates based on previously released builds.
4. **Battery-friendly** : Additional options are provided to help optimize battery consumption.
5. **Enhanced security** : Bliss includes numerous options for system-wide security and safety.
6. **Multiple customization options** : More options are provided to help fine-tune Android to its best.
7. **Compatibility** : The developers bring Bliss to every device users own. And PC builds include additional features for compatibility with ARM/ARM64 applications.

BlissRoms is an open-source Android-based operating system with added customizations, options, and security features. The main purpose of BlissRoms is to provide an enjoyable user experience. This open-source, Android-based operating system combines many features, optimizations, and extensive device support. Before running this software, you must check if your device is compatible; otherwise, the software may not work. The setup steps are also more complex than other software, but in return, you will have a computer running a pure Android operating system via USB installation or running on a virtual machine (with a simpler method).



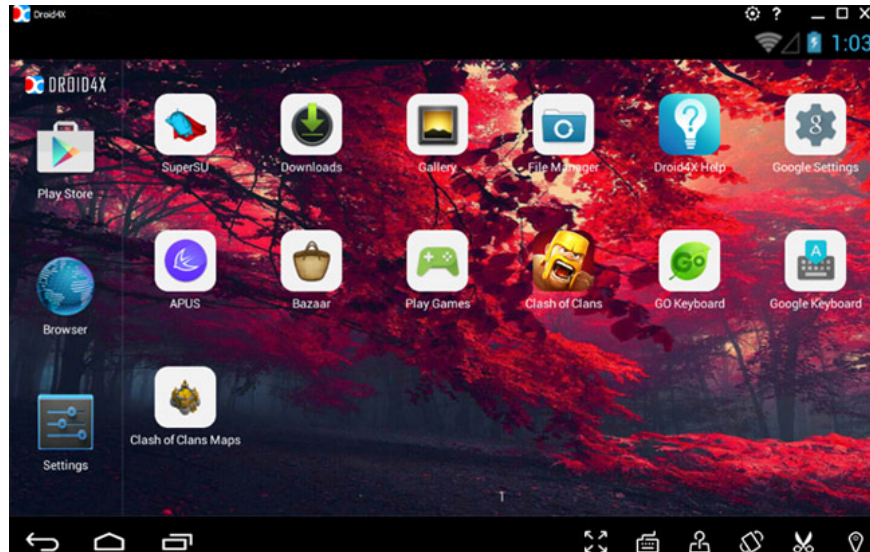
You can download Bliss at blissroms.com .

11. Droid4X or Android4X

Price: Free

Droid4X is a popular name on the internet. It's used as an Android emulator for Windows 10 PCs and laptops. Droid4X is a popular, free, reliable, and arguably the best Android app emulator available. A beloved name on the internet, Droid4X is widely used worldwide.

Droid4X was once a highly-rated Android emulator that didn't require high-end computer specifications to run. However, development has now ceased, and it only supports older Android versions with a limited number of apps. Although it includes the Google Play Store, the low Android version prevents the download of games and apps that require a higher Android OS. Nevertheless, games and apps that still support lower Android versions run smoothly on this emulator.



Homepage interface of the Droid4X Android emulator software.

Droid4X is an ideal emulator for the original Android system. After downloading the software, PC users can have a virtual Android handheld device with personalized configuration and performance (depending on the PC's configuration and performance). Users can use this emulator to download Android apps and games and run/play them on their PC screen in a more convenient way than on a physical handheld device. Droid4X includes Windows and Mac versions, and an iOS version is under development.

This app also allows you to record your emulator screen, which will help you record your Android screen while using it. You can configure your gamepad or keyboard with Droid4X for Windows to play your favorite online or offline games.

Key features of Droid4X include:

1. **Compatibility** : Droid4X is compatible with all current versions of Windows, including Win 7, 8, and 10.
2. **Downloads** : You can directly download any app or game file using the downloader embedded in the app.
3. **Recording tool** : You can start recording anything you want using the emulator's built-in screen recorder.
4. **App development** : If you are a developer and enjoy developing apps, you can also test your app on this emulator.

12. Android Studio

Android Studio is the official integrated development environment (IDE) for developing Android applications. It is based on IntelliJ IDEA, a Java integrated development environment for software, and incorporates its developer tools and code editing capabilities.

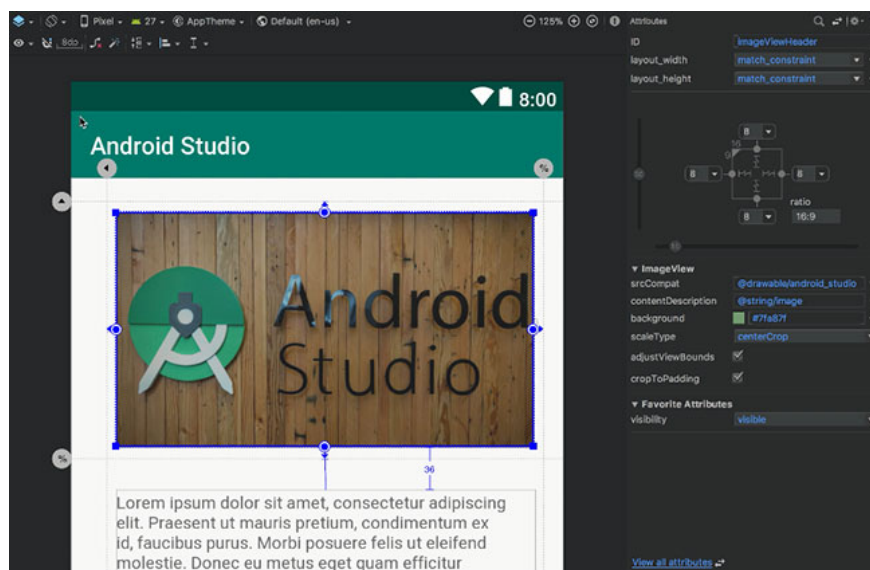
To support application development in the Android operating system, Android Studio uses a Gradle-based build system, emulators, code templates, and Github integration. Each project in Android Studio has one or more methods with source code and resource files. These methods include the Android application module, the Library module, and the Google App Engine module.

Android Studio uses Instant Push to push code and resource changes to a running application. The code editor assists developers in writing code and provides code completion, refraction, and analysis features. Applications built in Android Studio are then compiled into APK format for submission to the Google Play Store.

The software was first announced at Google I/O in May 2013, and the first stable build was released in December 2014. Android Studio is available for Mac, Windows, and Linux desktop platforms. It replaces Eclipse Android Development Tools (ADT) as the primary IDE for Android application development. Android Studio and the Software Development Kit can be downloaded directly from Google.

Android Studio is the default development console (integrated development environment or IDE) for Android. It comes with a range of tools to help developers create applications and games specifically for Android.

It turns out there's also a built-in emulator you can use to test your apps or games. The setup is quite complex, so it won't appeal to everyone. But by far, it's the quickest and most feature-rich option on this list. You can run stock Android (Vanilla Android), download apps from the Google Play Store as usual, add custom keyboards and launchers, and emulate any device of any size or style. You can even try foldable devices!

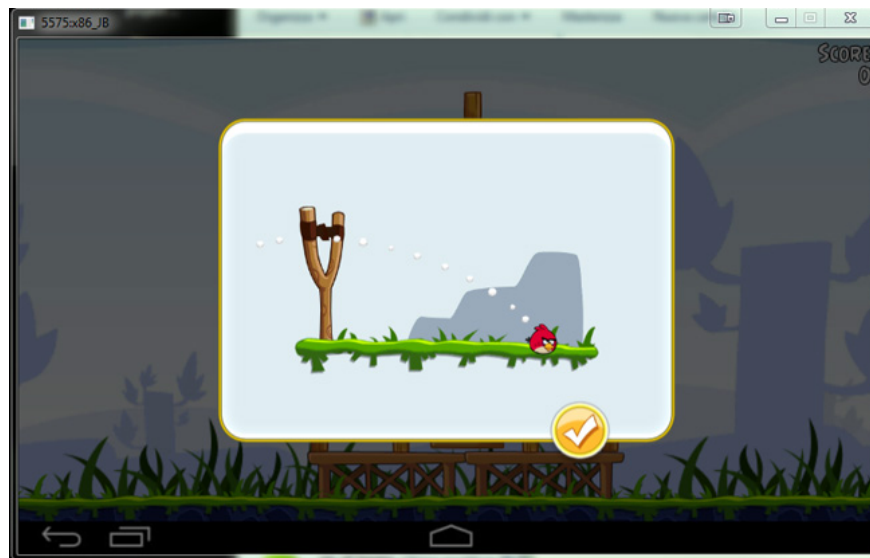


13. Jar of Beans

Price: Free

Jar of Beans is an Android emulator that mimics Android Jelly Bean (4.1.1). It supports Intel Hardware Accelerated Execution Manager (HAXM), thus providing hardware acceleration for the emulator and improving overall performance. One advantage of Jar of Beans over other emulators is that it is completely portable and requires no installation. Execution is as simple as running an executable file.

This Android emulator is highly rated for its ability **to smoothly handle games and applications with demanding graphics**. Jar of Beans doesn't require installation and supports hardware acceleration to improve overall performance. Although the initial interface of Jar of Beans might seem a bit "academic" to new users, it only takes a single click to switch to the familiar Android interface. After that, playing games or checking notifications is no problem. Unfortunately, this app only supports Android up to 4.1.1.



Play Angry Birds (Android version) smoothly on your computer with Jar of Beans.

As a portable Android emulator, Jar of Beans requires no installation and can be accessed by simply running an executable file. The emulator boasts a fairly extensive set of configuration options. For example, when a resolution of 1280 x 768 or higher is selected, the Android interface will automatically switch to the operating system's tablet mode.

Additionally, there's a special button that allows developers to install APK files stored on their computers. Other features such as volume control switches, an ADB interface, multi-user support, and the ability to create a virtual SD card are also present.

Several additional features are planned for upcoming versions, including keyboard support to allow full-text input from physical devices, interface options, and multiple resolutions.

14. Archon

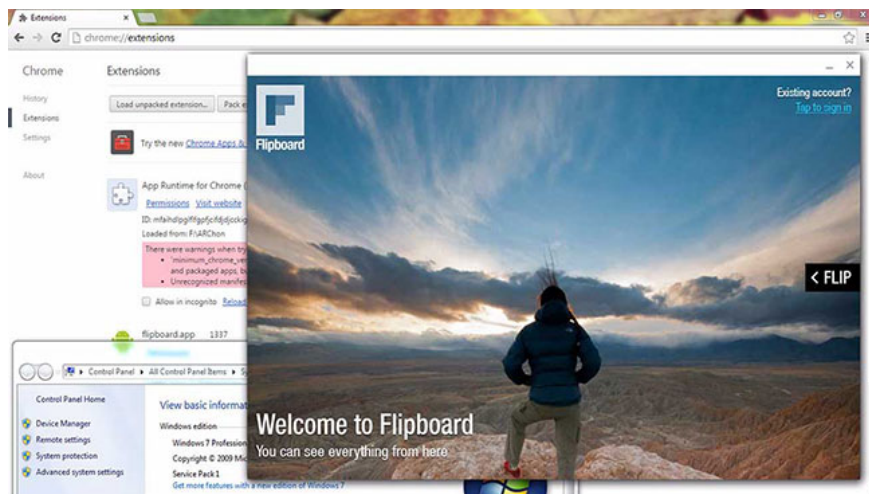
If you're looking for an Android emulator that works on Windows, you should check out ARChon. This versatile program allows you to use Android apps on your PC without downloading them from Google Play.

ARChon is not a traditional emulator. You install it as a Google Chrome extension. It then gives Chrome the ability to run Android apps and games (though support is limited). ARChon is a versatile Android emulator that

runs on Chrome. This emulator has no user interface and runs on a virtual machine. This extension is useful for testing purposes because it lacks a user-friendly interface, but it compensates by supporting the running of Android apps from the Google Play Store.

ARChon isn't an easy emulator to run. You'll need to install Chrome. From there, you have to get the APKs and load them. Additionally, you might need to use a tool to modify the APKs to make them compatible. There are more steps involved in getting this tool to work than most other Android emulators for PC.

However, on the positive side, it works with any operating system that can run a version of Chrome (Mac OS, Linux, Windows, etc.). Once you've installed the emulator, you can enjoy its features. You can also use it to play Android games.



ARChon offers many features that make it a great choice for developers. It can emulate different device configurations and features, and even the ARCore platform.

It's easy to customize to meet your needs, and you can even integrate external devices such as tablets, cameras, and other mobile devices.

ARChon also provides support for external devices, which can enhance the gaming experience. And ARChon has an excellent customer service team to help you in case of any technical difficulties.

15. NetEase MuMu Player

NetEase has created a really good emulator with MuMu. This is another game emulator that has most of the same features as its competitors.

This emulator runs Android 6.0, a bit older than some of its competitors. However, it has good boot times and enough features, so it's still worth considering. You won't encounter any serious problems using NetEase MuMu Player. It runs well and you can download all the games you want to try. MeMU, Bluestacks, and GameLoop all surpass NetEase MuMu Player in terms of features and are regularly updated. However, if none of those options work for you, then NetEase MuMu Player might be the right choice.



16. Phoenix OS

Download link:

http://www.phoenixos.com/en/download_x86

Phoenix OS is one of the newer Android emulators for PC. Like most others, it boasts a gamer-like experience. However, Phoenix OS can also provide a desktop-like experience, so it actually works quite well for productivity purposes.

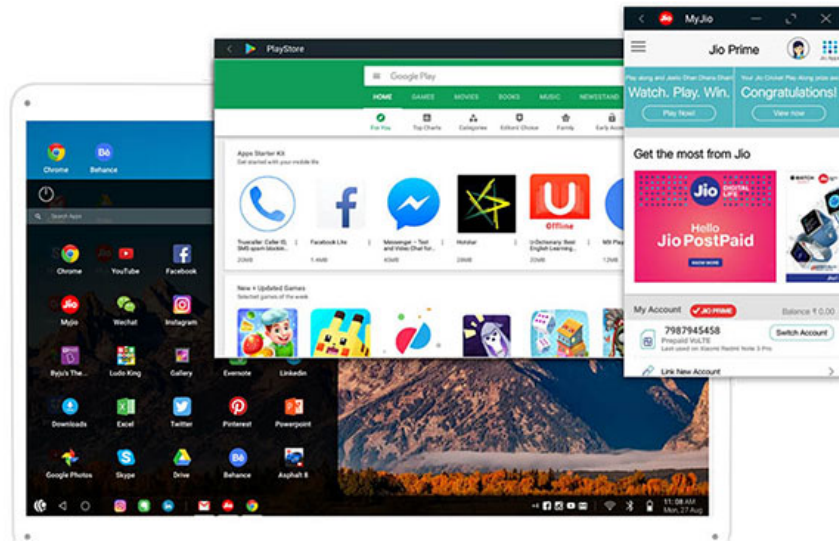
Phoenix OS has Google Play Services, although updating those services can sometimes be a bit tricky. This means you get all the apps and games in the Google Play Store. Phoenix OS also runs Android 7.1, which is relatively modern for an Android emulator. You can download the emulator from its official website and forums located on XDA-Developers.



17. PrimeOS

PrimeOS is a standout option in the Android emulator field. It's not really an emulator. You install PrimeOS as a partition on your computer, and it boots up running stock Android. It's a gamer-focused Android experience, although you can absolutely use this option for productivity, if you really want to.

PrimeOS includes a Game Center, mouse and keyboard support, and access to most Android apps and games. Frankly, it runs almost exactly like ChromeOS, except for all the Chrome elements. You can multitask, watch videos, or play games at will.



18. Xamarin

1. Price: Free with business options

Xamarin is an IDE similar to Android Studio. The difference is that it can plug into things like Microsoft Visual Studio for an even larger development environment (which can be for better or worse). Additionally, like Android Studio, Xamarin comes with a built-in emulator for testing applications or games.

However, this article only recommends this option for developers. The setup is simply too tedious for routine use. Xamarin's emulator isn't as powerful as Genymotion, but it will still get the job done and can also be configured to your needs. Xamarin is free for personal use. Companies and larger groups may need to consider a paid plan.



Create your own emulator.

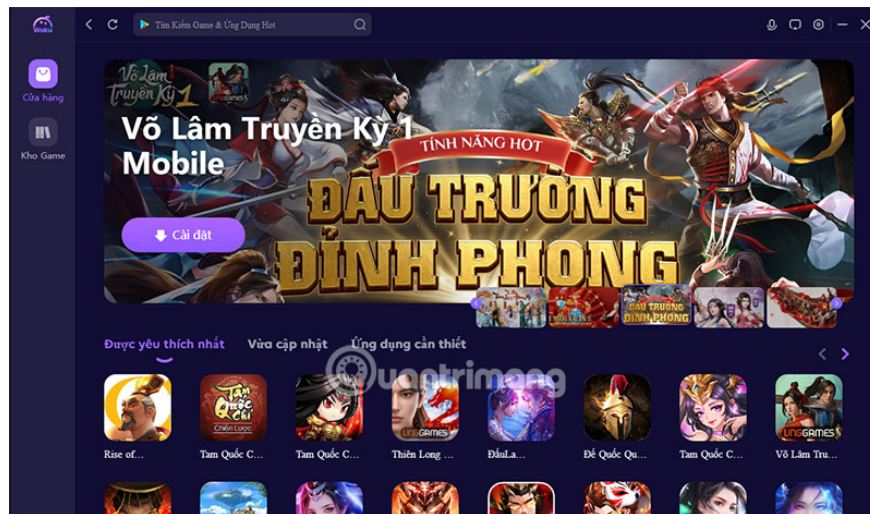
It turns out you can build your own emulator. Here's how. You need to download VirtualBox . Then, you have to download the image from Android-x86.org. From there, you just need to find one of the many online tutorials and follow the steps in it. This is, of course, one of the more difficult methods, but not quite as tedious or difficult as setting up an entire IDE with Android Studio or Xamarin.

However, it's important to note that you shouldn't try this without consulting the instructions and some prior knowledge. Things won't work well, there will be errors, and unless you're a programmer, it will be very difficult to fix the problems that arise. However, the final product will be customized to your liking, and you might just create an emulator worthy of being on this list!

See also:

1. Guide to emulating Android on Windows using Droid4x
2. Fixing the Droid4x emulator startup issue.

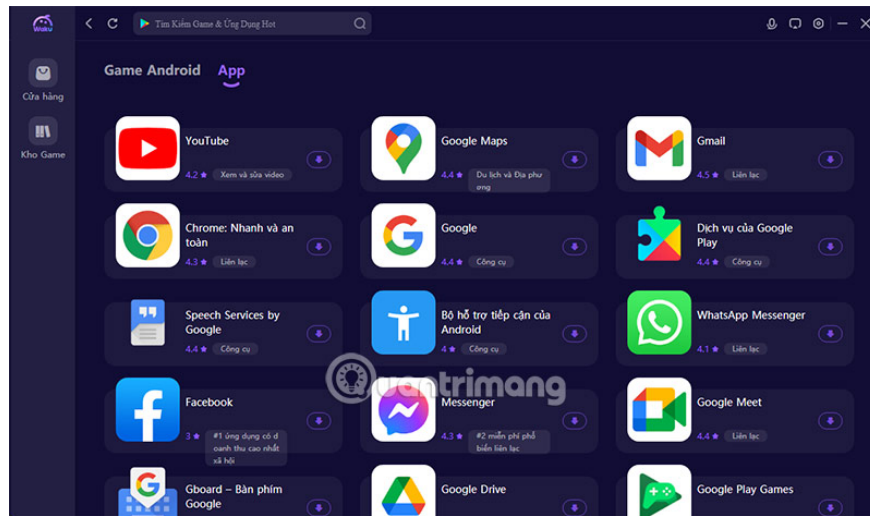
19. Wakuoo



Wakuoo is a brand new emulator platform that lets you play mobile games on your PC. Wakuoo comes with multiple Android versions (Android 7 and Android 9 are automatically implemented), and is fully compatible with devices running Intel and AMD CPUs. Wakuoo supports all game sources verified by the Google Play Store.

Wakuoo is considered lighter than previous emulators. While typical emulators require a computer with a relatively high to high configuration, with Wakuoo, you can easily play mobile games even on low-spec computers. Importantly, it also supports displaying your phone screen on your PC. This is a significant advantage of Wakuoo over other emulators.

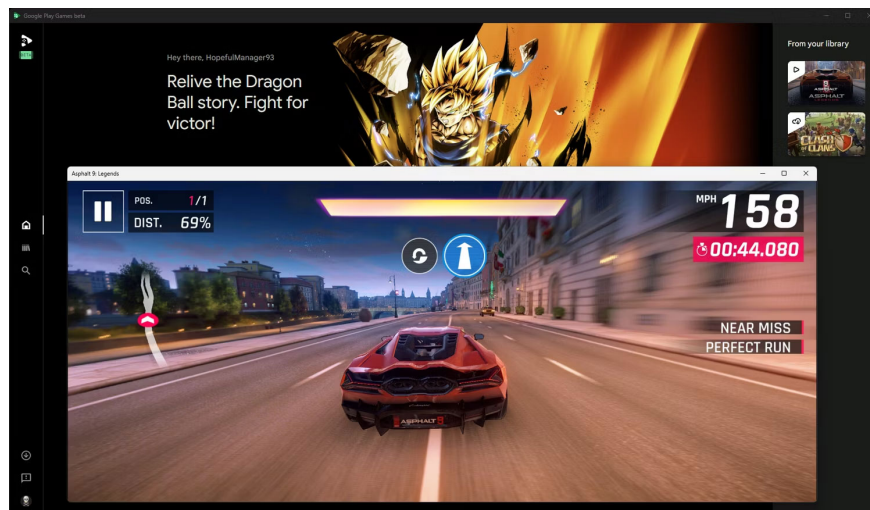
Wakuoo is perfectly compatible with 99% of popular games and applications in Vietnam, smoothly running Play Together, Free Fire, Arena of Valor, etc., and even handling demanding games like Genshin Impact on PC. Additionally, this platform supports automatic keyboard layout for each game, allowing users to operate using a mouse and keyboard.



Key features of Wakuoo:

1. **High compatibility:** Supports a wide range of mobile games, applications, and systems.
2. **Save and download status:** The ability to save your download progress at any point and resume where you left off.
3. **Cross-platform:** Available for Windows, macOS, and Linux.
4. **Driver and Gamepad Support:** Supports most popular controllers.
5. **Customizable controls:** The ability to change control buttons and assign them to icons.
6. **Graphics and sound settings:** Graphics and sound settings can be customized for better and more accurate performance.
7. **Netplay:** Multiple players playing over the internet.
8. **Cheat Tools:** The ability to use cheating tools and game-enhancing tools.
9. **Debugging tools:** Built-in debugging tools for developers.
10. **ROM support:** Supports multiple ROM formats, including .nes, .sfc, .smc, etc.

20. Google Play Games (Beta)



Google Play Games on PC is Google's official Android emulator. You cannot use it to run just any Android apps or games. Instead, you are limited to a select number of games. As of March 2024, you can access over 120

games on Google Play Games.

Popular titles include Asphalt 9: Legends, Alto's Odyssey, and Genshin Impact. Besides these popular games, consider checking out other favorite PC games on Google Play.

Since its initial launch, Google Play Games for PC has been updated to support keyboard remapping, allowing you to fine-tune controls to your preferences.

The experience of playing Asphalt 9: Legends through Google Play Games will not be consistent across all devices. It remains stable while providing smooth frame rates on the Intel-powered laptops we tested. However, when trying to run the game on high-end PCs with AMD CPUs, black boxes often obscure textures during many races.

Download Google Play Games for Windows (Free)

1. How to install Android apps on Windows 11, how to run Android applications on Windows 11

Above are the Android emulator software programs that TipsMake.com rates the highest. What are your thoughts? Please share them with us in the comments below.

You finished reading the article "**Top PC emulators, best PC emulators for computers.**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.