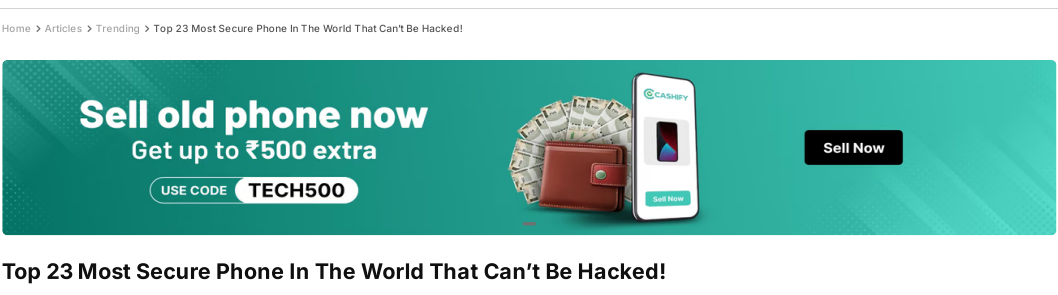
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Top 23 Most Secure Phone In The World That Can't Be Hacked!

If you are a Businessmen, a Politician, or someone whose data on his smartphone is too sensitive and in this case, a regular Android/iOS smartphone is not secure to use. For this, many OEM's like Sirin Labs have developed the world's most secure phone that feature an Enterprise secure space, Self Destruct Feature, Always-on VPN, and more features to protect your data from hackers. ...Read More

By Tech Geek- Updated: 1st Aug 2025, 19:56 IST

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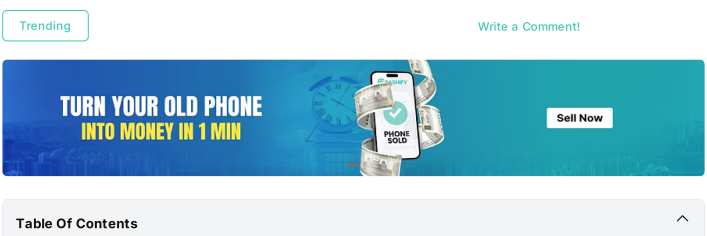
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Highlights of the Story

- Data Security is something that is of utmost importance but is practically non-existent on our smartphones, be it Android or iOS.
- To curb this issue many OEMs have launched a separate line of Secure smartphones that offer complete data security and are the most secure phones in the world
- These devices can't be hacked and also feature a self destruct feature in times of emergency, making them the most secure phones to exist!

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Smartphones have become a crucial parts of our daily lives, storing everything from personal conversations and photos to sensitive financial and business data. With the rise in cyberattacks and data leaks protecting your digital privacy is no longer optional; it's essential. While most mainstream smartphones offer basic security features, a select few are engineered specifically to resist hacking attempts and safeguard your data with military-grade protection. In this blog, we will explore the most secure phones in the world that can't be hacked.

These are devices trusted by security agencies, world leaders, and privacy-focused users. These phones go beyond passwords and fingerprint locks, featuring encrypted communications, hardened operating systems, tamper-proof hardware, and secure app ecosystems.

Whether you're concerned about spyware, phishing, or government surveillance, this list will help you find a phone built to defend against it all. Ready to upgrade your digital defences? Let's take a closer look at the world's most secure smartphones.

Also Read: The Best Android VPN Apps

What To Keep In Mind While Choosing The Most Secure Phones?

If you are conscious about your data and privacy, then you need to choose the most secure phone in the world. Here are the things that you can keep in mind before selecting:

1. **Software Updates:** Choose a phone that gets regular security updates from the manufacturer.
2. **App Store Safety:** Stick to official app stores to avoid downloading malicious apps.
3. **Biometric Security:** Phones with fingerprint or face recognition add an extra layer of protection.
4. **Encryption:** Look for phones that encrypt your data, making it harder for others to access.
5. **Permissions Control:** Select phones that let you control what data each app can use.
6. **Secure Boot:** Check for phones with secure boot and dedicated hardware for better protection.
7. **Network Security:** Phones supporting secure communication protocols enhance data security on networks.
8. **Anti-Phishing and Anti-Malware:** Phones with built-in protection guard against online threats.
9. **User Authentication:** Choose phones offering strong and multi-factor authentication options.
10. **Manufacturer Reputation:** Go for phones from well-known brands with a good security track record.
11. **User Practices:** Back up your data regularly and stay cautious about suspicious links.

By considering these factors, you can make a smart choice for a secure phone.

Why You Need a Secure Phone?

Your smartphone holds everything about you, your emails, banking apps, personal photos, work files, contacts, and even your location history.
Hackers can exploit vulnerabilities to:

- Steal sensitive data
- Spy on your calls and texts
- Install malware
- Access your cameras and microphones
- Track your movements

These secure phones are built to prevent such intrusions.

Most Secure Phones At A Glance

Here have a look at the most secure phones at a glance:

Smartphone	Best Known For
Bittium Tough Mobile 2C	Most secure phone with dual OS, IP67 rating, MIL-STD-810G, always-on VPN, and hardware-privacy mode.
K-iPhone	Secure phone with encrypted calls, custom firmware, and VoIP encryption by KryptAll.
Solarin from Sirin Labs	Advanced privacy tech with 256-bit AES encryption, physical security switch, and military-grade security.
Purism Librem 5	Hardware kill switches for cameras, microphones, Wi-Fi, and Bluetooth, with a privacy-focused OS.
Sirin Labs Finney U1	Blockchain smartphone with built-in crypto wallet, D-App support, and high security for crypto transactions.
Katim R01	Military-grade protection, real-time monitoring, encrypted OS, and rugged design with a durable build.
Blackphone PRIVY 2.0	Silent OS with encrypted calls, texts, and video calls; no-log policy and multi-roaming connectivity.
Apple iPhone 16 Pro Max	Secure with FaceID, Secure Enclave, and Private Compute Core, offering encryption and privacy features.
Samsung Galaxy S24 Ultra	Seven years of OS updates, Samsung Knox security, hardware/software encryption, and trust zone processor.
Murena One	Custom Android with /e/OS, physical switches to disable camera/mic, privacy-first approach.
PinePhone Pro	Linux OS, open-source, end-to-end encryption, and granular control over app permissions.
Above Phone	Google Pixel-based, Graphene OS with hardware encryption, killswitches for privacy, and privacy suite.
FairPhone 5	Most secure with a clean, privacy-focused Android experience and regular updates.
IntactPhone Opaque	Secure bootloader, hybrid/no Google services, end-to-end encryption for calls and messages.
OnePlus Open Apex Edition	VIP mode with hardware-level kill switch and most secure foldable phone.
Google Pixel 9 Pro XL	Titan M2 security coprocessor, seven years of OS updates, ultrasonic fingerprint sensor.
Sotera Secure Phone	100% secure, certified for NSA standards, end-to-end encryption for calls and messages.
XOR X2	Luxury design with Grade 5 titanium, Sapphire crystal screen, XOR Shield tech for security.
Armadillo Phone 2	Deniable encryption, fake user login feature, bypasses censorship and surveillance.
4Freedom Phone	Custom OS with military-grade encryption, network operator location prevention, end-to-end encrypted calls.
Sikur One	Zero Trust philosophy for sensitive data, remote wipe capability, no third-party app installations.
Unplugged Phone (UP)	Privacy-focused with LibertOS, kill switch for microphones/cameras, emergency data wipe.
Motorola ThinkPhone	Designed for enterprise with Thinkshield security, AI defense systems, and MIL-STD 810H certification.

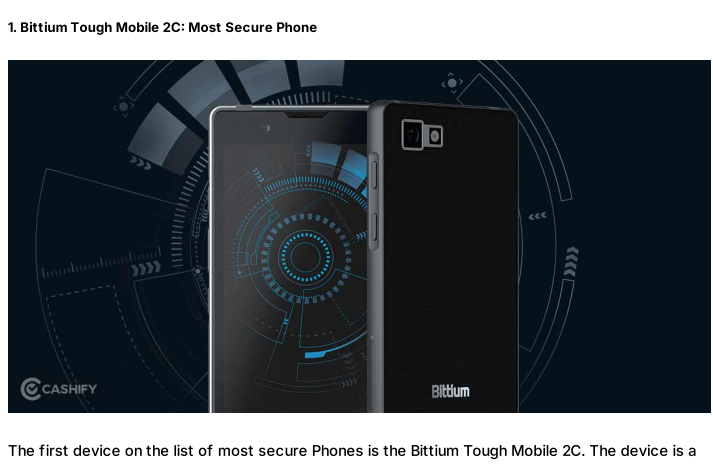
Most Secure Phones In The World

With each passing day, the very concept of privacy and security is getting pushed to the very edge. Is your personal data only yours? You never know where your data is going.

These specialised smartphones that came into existence to protect your privacy. They will make you sleep in peace at night. Your data will be protected, and you don't have to worry about a single thing!

So, what are we waiting for? Here's our list of the most secure phones you can use today:

1. Bittium Tough Mobile 2C: Most Secure Phone



The first device on the list of most secure Phones is the Bittium Tough Mobile 2C. The device is a rugged smartphone, and it is as tough on the outside as it is inside because Tough is in its name.

Also Read: How To Stop Android Apps Running In The Background!

In software, the device has two operating systems. With the first one being a hardened version of Android 9. The second one is the brand's own most secure Phone with OS. When you buy the device, you get a free Yubiko 5 NFC security key, which will add critical physical security.

The device also comes with an always-on VPN and Bittium's own mobile device management. The device comes with an IP67 rating and MIL-STD-810G. It means the device is robust and won't break. One more feature is a hardware-privacy mode. This deserves a spot in the list of most secure phone in the world!

The pricing for the device is around $1,800 (Rs. 1,32,000 approx). Considering the security aspect, it makes a lot of sense to buy this device, regardless of the high price.

2. K-iPhone – One Of The Most Secure Phones

If an iPhone can't keep you safe, consider purchasing the K-iPhone as the most secure phones. A company that goes by the name of KryptAll has taken a regular iPhone and brought it to the next level. This is in terms of the safety and security of your data.

Also Read: How To Use A VPN On Android Smartphone – A Step-by-Step Guide!

The device has its changed firmware. There is the addition of its own VoIP applications (by Kryptall) to ensure calls are encrypted. Even KryptAll and law enforcement agencies can't decrypt your conversations. If you are looking for the best security or most secure phone, this deserves a spot!

While this device is good, it will cost you a pretty penny, considering it is at $45,00 (Rs. 3,30,000 approx), much higher than even something like the recently launched Apple iPhone 12 Pro Max.

3. Most Secure Phones – Solarin From Sirin Labs

The third device on the list of most secure phones is also one of the most expensive devices in the world. Made by Israeli startup Sirin Labs, Solarin offers the most advanced privacy technology. (According to the brand).

Also Read: How To Setup A VPN An Windows, Android, IOS, Or Chrome OS!

The device offers 256-bit AES encryption. Security and defence forces use to secure their communications with each other. You can activate it via a physical security switch present on the back of the device.

The device features a 5.5-inch IPS LCD panel with a resolution QHD+. It comes with the Snapdragon 810 chip and a 23.8-megapixel rear sensor to take images. But, unfortunately, the price for the same is an exorbitant $13,500 (Rs. 9,90,000 approx).

4. Among The Most Secure Phones – Purism Librem 5

Purism is a company that believes privacy and security are everything for any tech. The Purism Librem 5 comes with three kill switches, hardware-wise, that can turn off the sensors.

These switches are for the cameras, microphone, Wi-Fi, Bluetooth, and cellular baseband. This most secure phone has all the significant trackers disabled by default. It has layered security protection in its Linux OS. With this, you can see where your information is being used, making it the best security phone.

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The Purism Librem 5 comes with PureOS, which is an open-source operating system based on Linux. It comes with 32GB of internal storage with 3GB of RAM and has 3D rendering capabilities. It has a 5.7-inch IPS TFT HD display on the top. Purism features a 13-megapixel rear camera and an 8-megapixel front camera.

The Purism Librem 5 will come with all the basic functionalities. It also comes with security and privacy. Purism provides lifetime updates with security updates, privacy improvements, and bug fixes. This makes it one of the most secure phone.

Also Read: How To Recall A Message Sent On WhatsApp: Undo Your Mistakes!

5. Sirin Labs Finney U1: One Of The Most Secure Phone

Sirin Labs are in the phone business and is the most secure Phone for a while now. The Sirin Labs Finney U1 is another advancement when compared to their Solarin phone. It is well-known for its decentralised apps and provides ultimate protection.

The Sirin Labs Finney U1 is a blockchain smartphone with an in-built crypto wallet. This wallet has its own token conversion centre and embedded apps in the D-Apps.

The simple user interface of Sirin OS is mesmerising. It will appeal to anyone looking for a simple yet secure Phone with the best operating system. If you are searching for the best secure phone, consider this one for sure!

It has the Snapdragon 845. This flagship chipset has 6GB of RAM and 128GB of internal storage. It has a cold storage wallet and supports all the major cryptocurrencies and tokens. This makes it the most secure phone for crypto transactions.

The Sirin Labs comes with a 12-megapixel rear camera and an 8-megapixel front camera. It sports a 6-inch FHD+ display on the front with a 95 per cent NTSC and 1500:1 contrast ratio. The phone has a 3,280 mAh battery. Additionally, it supports fast charging, with 50 per cent coming in just 30 minutes.

Also read: Best Mobile Phones Under 50,000

6. Katim R01-Best Secure Phone In The World

The Katim R01 is not only the most secure phone but also boasts a rugged design for enhanced protection. It has a real-time monitoring feature that can detect threats to wipe your data. The Katim R01 has a shield mode that turns off the wireless networks, microphone and camera.

It is also one of the few encrypted phones to offer a secure OS with hardware-level encryption. You get a durable design certified for military-grade protection. The phone is shockproof and waterproof, able to withstand water for 30 minutes.

It also has an in-built barometer, temperature, and humidity sensor for extreme weather. The Katim R01 uses the Snapdragon 845 chipset and offers a grippy textured back. The phone has a dedicated button for Push to Talk and SOS so you can stay in touch in case of emergency.

The Katim R01 has a 6.56-inch Full-HD+ LCD display that works even with gloves. It also comes with Gorilla Glass 5 for protection. You get a 12-megapixel primary camera with dual LED flash. There is also an 8-megapixel front-facing sensor. It comes with 4GB of RAM and 128GB of memory. The phone has a massive 5,789-mAh battery, and you also get NFC, an IP68 rating, a 3.5mm headphone jack and more.

7. Blackphone PRIVY 2.0: Best Secure Phone

For those looking for discrete yet most secure phone, the Blackphone Privy 2.0. While its design might not grab your attention, its privacy-focused features will. The phone uses a custom version of Android called Silent OS. They offer features like encrypted phones calls, text messages and video calls.

The Blackphone Privy 2.0 comes with a data-only SIM card with unlimited data. It also comes with multi-roaming connectivity. You can also send files up to 100Mb with other Silent phone users. You get apps like PRIVY Vault and PRIVY Chat with end-to-end encryption support. All this makes it the most secure phone in the world.

Its no-log policy ensures no one can decrypt your text messages and calls. Blackphone claims it does not store any log of user activity. You will need to purchase a subscription for it.

The Blackphone PRIVY 2.0 features a 6.53-inch display and the MediaTek MT6771 chipset. Moreover, the phone uses the Mali-G72 GPU and comes with 4GB of RAM.

The phone's back has a triple camera setup. You get a 48-megapixel primary, an 8-megapixel ultrawide, and a 5-megapixel lens. On the front, there is a 25-megapixel selfie camera.

The Blackphone PRIVY 2.0 packs a 4,500mAh battery and is around 8.9mm thick. The 1-month subscription starts at £650, while a 12-month subscription will set you back by £2000.

8. Apple iPhone 16 Pro Max: Most Secure Apple Phone

The newest addition to the list of most secure phone in the world is the Apple iPhone 16 Pro Max. You get reliable security, which is more secure than most fingerprint sensors. The Secure Enclave can help you protect your privacy and protect your FaceID data.

The A18 Pro can handle the Apple Intelligence features with 16-core Neural Engine. The new Private Compute Core ensures that your Apple Intelligence data stays secure.

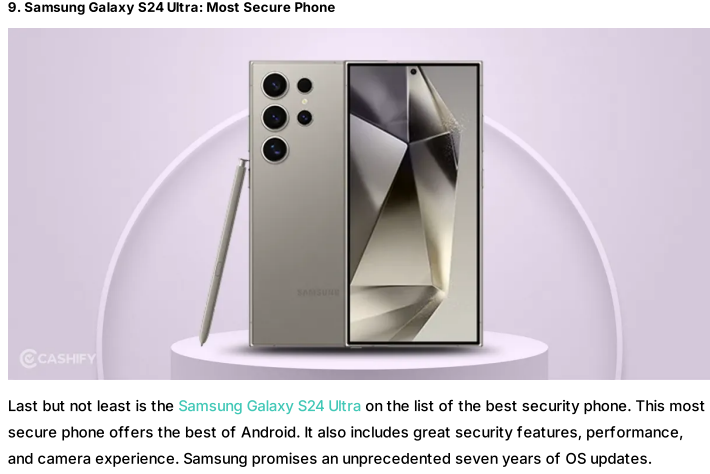
iOS is safe and secure, as you cannot install any third-party apps (unless you live in the EU). This means you can rely only on reliable sources like the App Store. It has strict policies for app developers, preventing malicious apps from being listed. Furthermore, you get encrypted messages and calls through FaceTime and iMessage.

The iPhone 16 Pro Max features a 6.9-inch Super Retina XDR OLED screen with 120Hz (ProMotion) and LTPO support. It has an A18 Pro chipset; it can handle all tasks, including AAA games, with hardware ray tracing.

For photography, there is a 48-megapixel primary sensor. You can also see a 12-megapixel periscope telephoto, and a 48-megapixel ultrawide-angle lens. On the front, there is a 12-megapixel camera with FaceID support.

The iPhone 16 Pro Max is available in a new Desert Titanium colour and is IP68 rated. You also get 45W wired charging apart from faster 25W MagSafe wireless charging. It comes with Qi-2 support.The iPhone 16 Pro Max is available for a price of Rs.1,44,990.

9. Samsung Galaxy S24 Ultra: Most Secure Phone



Last but not least is the Samsung Galaxy S24 Ultra on the list of the best security phone. This most secure phone offers the best of Android. It also includes great security features, performance, and camera experience. Samsung promises an unprecedented seven years of OS updates.

Samsung's Knox security is known for its special security features. These include encryption, that lets you store and secure sensitive data. It also includes hardware and software-level encryption with a special trust zone processor.

Knox Management console that allows you to control settings and security policies. You can install apps if you are a company that needs to manage several devices for its employees.

The Samsung Galaxy S24 Ultra has a 6.8-inch Dynamic AMOLED Quad HD+ display with LTPO and a 120Hz refresh rate. The latest Snapdragon 8 Gen 3 powers the phone, with 12GB of RAM and up to 512GB of storage. It runs on the latest Android 14 based on One UI 6.1. It will receive seven years of OS updates, making it the most secure phone.

The Samsung Galaxy S24 Ultra has a 200-megapixel primary camera with OIS. There is also a 10-megapixel telephoto lens with 3x zoom, a 50-megapixel periscope lens – 5x zoom. You will also find a 12-megapixel ultrawide-angle sensor.

On the front, there is a 12-megapixel selfie camera. The Samsung Galaxy S24 Ultra packs a 5,000mAh battery with 45W wired and 15W wireless charging. It starts at a price of Rs.1,08,100 in India.

10. Murena One: Most Secure Phone In The World

The Murena One is one of the latest additions to the world's most secure phone list. It runs on a custom version of Android called /e/OS. This caters to privacy-conscious users by reducing the amount of data.

The main highlight of /e/OS is that it does not have unnecessary Google apps and services. It offers alternatives that can protect your privacy. You get open-source apps for most of your needs. There is also an app directory that showcases and ranks apps based on personal privacy.

You get a physical switch to disable camera & microphone to protect from surveillance. You get 4G LTE connectivity which is a rarity on most secure phone.

The Murena One sports a 6.53-inch IPS LCD screen with a corner punch hole cutout. It is powered by the MediaTek Helio P60 processor paired with 4GB RAM and 128GB storage.

The camera has a 48-megapixel primary, an 8-megapixel ultrawide, and a 25-megapixel selfie. The Murena One has a 4,500mAh battery with a reparability score of 8.5/10. You get a side-mounted fingerprint sensor and an unlocked bootloader out of the box. The Murena One costs €199 (around Rs.17,833) making it one of the most affordable secure phone in this list.

11. PinePhone Pro: Most Secure Phone In The World

The PinePhone Pro is one of the most secure phone that runs on Linux OS instead of Android or iOS. Linux's major advantage is its open-source nature. It makes it more secure than Android and iOS.

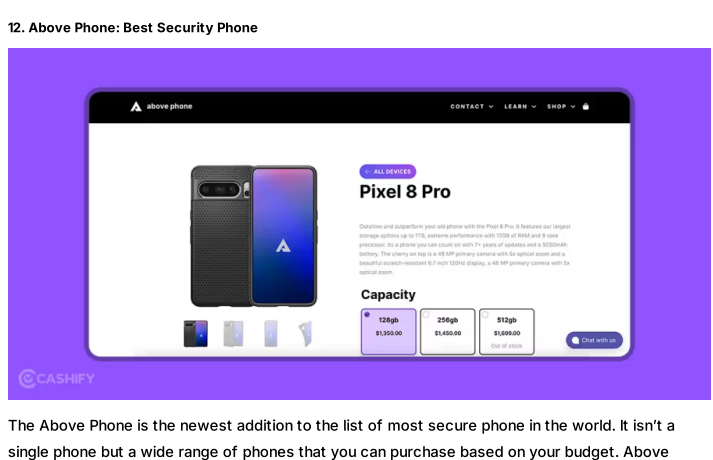
It offers end-to-end encryption and granular control over app controls. This makes it one of the most secure phone compared to a regular Android phone. Despite its entry-level specifications, it has pogo pins on the back to attach add-ons.

The phone receive patches with open-source drivers to run mainline Linux. It is also easy to repair. The company sells spare parts for it, including its screen, case, and cover, so that you can replace them at home. You just need to use a screwdriver and some parts to get started.

The PinePhone sports a 6-inch IPS LCD screen with Gorilla Glass 4 for protection. It is powered by the Rockship RK3399S chipset paired with 4GB LPDRR4 RAM. You get a 13-megapixel Sony IMX258 sensor apart from an 8-megapixel selfie camera.

The phone has LTE, a microSD card slot and Pogopins for adding accessories. It packs a 3,000mAh battery with 15W quick charging support. The PinePhone Pro retails for $399 (approximately Rs.33,000).

12. Above Phone: Best Security Phone



The Above Phone is the newest addition to the list of most secure phone in the world. It isn't a single phone but a wide range of phones that you can purchase based on your budget. Above phone offers a secure version of the Google Pixel 9, Google Pixel 8 Pro, Google Pixel 8, Google Pixel 7A and Google Pixel 6A.

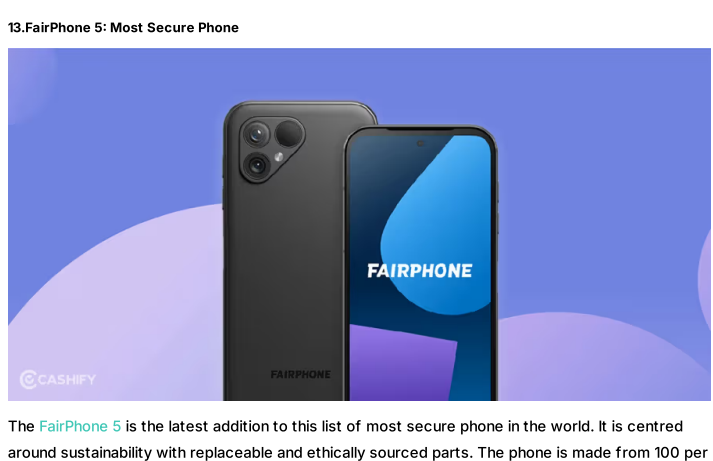
The main focus of the Above Phone is its secure and open-source operating system. It aims to provide without Google's constant overarching breach of your privacy. The above Phone runs on Graphene OS. It replaces Google apps with an open-source privacy-focused apps suite. There are no tracking services, ads or location services working in the background. This makes it the most secure phone.

The Above Phone works with any SIM card, including those with an internet SIM number. It will receive timely, regular, long-term updates. These updates come with verified boot and isolated modem.

You get hardware-level encryption, offering enhanced protection over regular phones. You also get dedicated killswitches for the microphone, camera, and GPS. It help so you go off the grid anytime. You can get granular control to decide which apps have different permissions.

The Graphene OS on the Above Phone has a custom memory allocator. It erases data to prevent apps from accessing it without permission. Above Phone also offers a privacy suite that you can buy separately. It has VPN, Calendar, Encrypted Chats, and Internet Calls. You will also get Email, Video Conferencing, and Search Engine. Above Phone customized versions of Pixel devices start at price of $650 (around Rs.54,323).

13.FairPhone 5: Most Secure Phone



The FairPhone 5 is the latest addition to this list of most secure phone in the world. It is centred around sustainability with replaceable and ethically sourced parts. The phone is made from 100 per cent renewable energy. It is made using recycled materials to reduce carbon footprint.

When it comes to security, the phone runs on CalyxOS based on Android. It will receive updates until 2031 thanks to its enterprise Qualcomm QCM6490 processor. The company promises at least 4 OS updates after Android 14 and five years of warranty on the device.

The phone offers a clean, privacy-centric experience. It comes with MicroG replacing Google Play services. It means you can cut Google's constant ad targeting and location tracking.

You get a verified boot to ensure your operating system hasn't been tampered with. The FairPhone 5 will receive timely updates making it one of the most secure phone. For protection, there is a side-mounted fingerprint sensor and face unlock.

The FairPhone 5 sports a 6.46-inch Full-HD+ OLED screen with a 90Hz refresh rate. The phone uses the Qualcomm QCM 6490 chipset with 8GB of RAM and 256GB of storage. Moreover, you get a 50-megapixel primary camera and a 50-megapixel ultrawide angle lens.

On the front, there is a 50-megapixel selfie shooter. It packs a 4,200mAh battery with 30W charging support. It is available in three different colours and retails for EUR 699 (around Rs.63,721)

14. IntactPhone Opaque: Most Secure Phone In The World

The IntactPhone Opaque is the newest entry on the list of most secure phone in the world. It brings unique features, such as a secure bootloader with hardware-level security. The phone has trusted hardware with CommuniTake secure boot and drivers.

It runs on IntactOS, a custom-built operating system based on Android 11. The OS is designed from source code to protect users from cyberattacks and is free of bloatware. Furthermore, you get hybrid or no Google services for minimal tracking and privacy.

To enhance your privacy, Intactdialog is an end-to-end Voice over IP calling system that works on 2G,3G, and 4G LTE. It offers end-to-end encrypted messaging based on AES256 encryption. This encryption comes with a 256-bit key length and RSA 2048.

The IntactPhone offers a 6.36-inch Full-HD+ IPS LCD display with a resolution of 2300 x 1080 pixels. It has an octa-core processor clocked at 2.2GHz paired with 8GB of RAM and 128GB storage. It has a triple camera setup with a 12-megapixel primary and a 16-megapixel secondary. On the front, you get a 16-megapixel selfie shooter. It packs a 4,980mAh battery with NFC, fingerprint scanner and GPS. The phone has 5G, LTE, and 3G connectivity and has IP68 and IP69K ratings.

15. OnePlus Open Apex Edition: Most Secure OnePlus Phone

The OnePlus Open Apex Edition is the most secure phone from OnePlus. It comes with a dedicated VIP mode which acts as a hardware-level kill switch. It can turn off the camera, microphone and location of the device.

Furthermore, the VIP mode is not just another software feature. It uses a new independent security chipset certified for CC EAL 5+, making it the most secure phone in the world. It is the only foldable phone in the world that offers such great privacy at just a flick of a slider.

All data in this VIP mode is secure as the phone switches to a private environment for enhanced security. The phone will function normally, but you won't be able to use any of the disabled features.

The OnePlus Open is also one of the most powerful phones on this list. It comes with a Snapdragon 8 Gen 2 chipset paired with 16GB RAM. You get a massive 7.82-inch AMOLED screen on the inside and a 6.31-inch panel on the outside. Both displays offer a 120Hz refresh rate,Dolby Vision support and a peak brightness of 2800 nits.

Moreover, it runs on Oxygen OS 14-based and boasts 1TB of UFS 4.0 storage. You get a 48-megapixel primary camera, a 64-megapixel telephoto and a 48-megapixel ultrawide . All three of them are in collaboration with Hasselblad. They have exceptional photographic capabilities.

The OnePlus Apex Edition packs a 4,805mAh battery with 67W fast charging support. In addition, you get NFC, IR Blaster, stereo speakers with Dolby Atmos and aluminium frame.

16. Google Pixel 9 Pro XL: Most Secure Phone From Google

The Google Pixel 9 Pro XL is the latest flagship phone from Google. It means that you can enjoy the best of security and privacy. Powered by the new Tensor G4 chipset, it is one of the most secure phone in the world. You get the Titan M2 security coprocessor, which can protect your sensitive data.

It has a new ultrasonic fingerprint sensor. This ultrasonic fingerprint sensor is not only faster but also more secure. It has anti-spoofing technology to detect fake fingerprints.

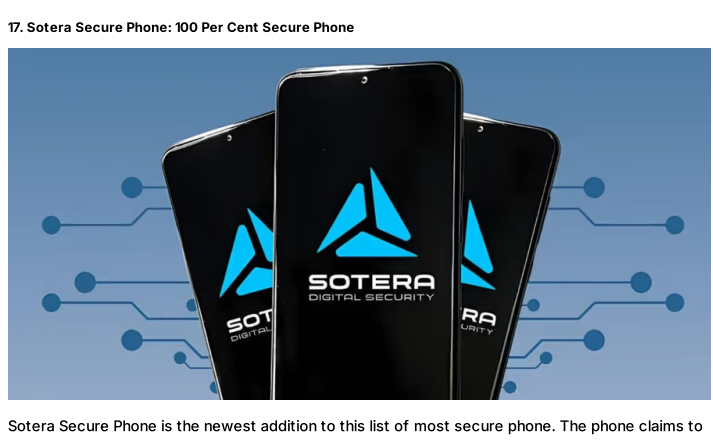
Another reason to buy the Google Pixel 9 Pro XL is Google's promise of seven years of OS updates. The phone runs on the latest Android 15. You get features like Private Space and the ability to hide sensitive notifications.This prevents malicious apps from reading your OTPs.

Offering security features, including sensitive notifications to prevent malicious apps from accessing your OTPs and private space to hide sensitive apps on your device.

The Google Pixel 9 Pro XL deserves to be one of the first choices for those looking for the most secure phone. It has a sharp 6.8-inch OLED display with 120Hz refresh rate and LTPO support.

The Tensor G4 powers the phone paired with 12GB of RAM. You get a 50-megapixel primary, 48-megapixel telephoto and a 48-megapixel ultrawide angle sensor. The Google Pixel 9 Pro XL packs a 5,060mAh battery with 37W wired and 23W wireless charging support. You also get Satelite SOS, UWB, NFC and IP68 rating.

17. Sotera Secure Phone: 100 Per Cent Secure Phone



Sotera Secure Phone is the newest addition to this list of most secure phone. The phone claims to be 100 per cent secure and claims it is the only phone to be qualified for the most secure tag. Sotera runs on the same OS used by the United States nuclear arsenal, military weapon systems and NASA/DOD.

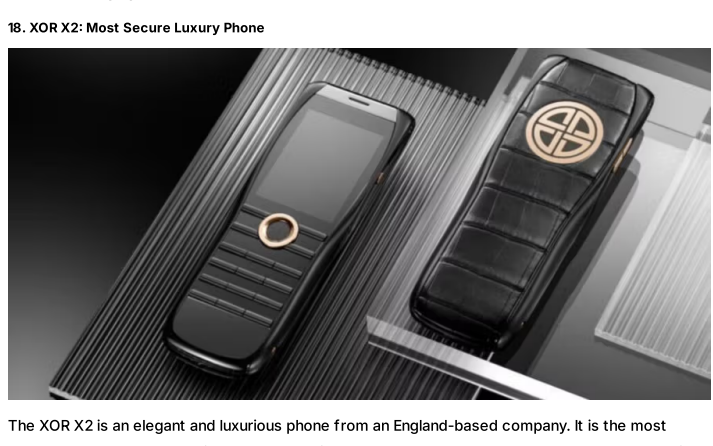
It uses the Integrity 178B operating system. Sotera has three secure aspects: hardware, software, and apps that run on it. The Sotera SecurePhone is the only device with 100 per cent safeguard on all three layers. The phone does not recognize foreign hardware, while NSA rates as the most secure. In addition, all apps on the phone are end to end encrypted with an authentication system.

The Sotera Secure Phone offers end-to-end encryption for calls and messaging and plenty of security features. It also has a remote wipe, password management, and auto wipe after entering an incorrect PIN. The device is validated by Netragard, a global leader in vulnerability research.

The Sotera SecurePhone sports a 6.3-inch IPS Full-HD+ IPS display with a 19:5:9 aspect ratio. It runs on the MediaTek P60 processor with 6GB RAM and 128GB storage. The phone runs on the Integrity 178-B operating system. It isolates the operating system from messaging/calling apps.

It has a 3.5mm headphone jack and a USB-C charging port. In addition, you get a 4,000mAh battery with fast charging, dual SIMs, and dual microphones for HD audio.

18. XOR X2: Most Secure Luxury Phone



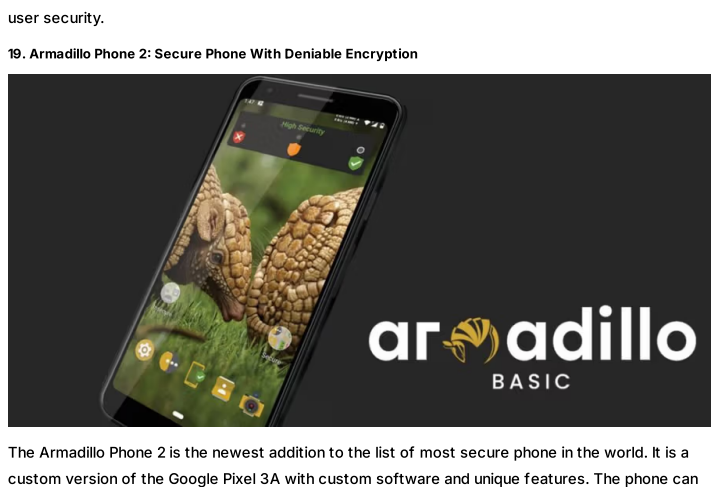
The XOR X2 is an elegant and luxurious phone from an England-based company. It is the most compact yet secure phone in the world and is targeted towards those who want the best possible experience. It is made from Grade 5 titanium, a scratch-proof Sapphire crystal screen, and calfskin leather. The phone has an unparalleled design.

Not only does the phone have a distinguished design, but it is also the most secure phone. It uses the company's new XOR Shield technology. It includes SIM filtering and fake BTS detection for finding malicious commands. Furthermore, the phone has XOR Peer, remote control, and new encryption technology.

Using the XOR Peer license platform, you can communicate via secure peer-to-peer channel. You can do that with two or more XOR phones or any other phone. You can manage your XOR account and grant/revoke access to different phone users. The XOR phone is perfect for businessmen. You can use it to create a private, exclusive network for their needs.

The XOR X2 is one of the few luxury phones with a Smart Bluetooth feature to monitor users' health. The XOR X2 is the epitome of luxury. It offers an elegant design without compromising on user security.

19. Armadillo Phone 2: Secure Phone With Deniable Encryption



The Armadillo Phone 2 is the newest addition to the list of most secure phone in the world. It is a custom version of the Google Pixel 3A with custom software and unique features. The phone can defend you against hackers and spyware. It does that by stopping attacks via Wi-Fi and cellular networks.

Furthermore, in case someone compels you to unlock your phone, you can log in as a fake user. If an attacker forces you to reveal your password, you can give a fake one. This is because the phone has unlimited users with fake data and full data encryption. The Armadillo Phone 2 can also bypass censorship and metadata surveillance. It has the option to remove cameras and microphones for enhanced privacy.

The Armadillo Phone 2 uses a network to bypass firewalls. All connections here use pinned connections for better security and privacy. This Armadillo Phone 2 has packaging with proper inspection.

It runs on a hardened version of Graphene OS with a deniable encryption. You can also enter a wipe password to delete on your phone, apart from the ability to wipe it remotely. Furthermore, the phone can also erase the data if it is not unlocked after a specific time. Some security features include Radio Sentinel, Wi-Fi Sentinel, RAM Sentinel and Theft Sentinel.

You can also buy accessories for the Armadillo Phone 2 to take your privacy to the next level. These include a high-security Armadillo SIM card and anArmadillo Pouch to block signals. There is also an Armadillo Shield screen protector for privacy. The Armadillo Armor case can block the fingerprint sensor, camera, and microphone.

20. 4Freedom Phone: Most Secure Phone With Modern Design

The 4Freedom Mobile Phone is the latest addition to the list of most secure phone in the world. It uses a custom software called 4FreedomOS that does not rely on Google apps and services.

You get custom hardware to prevent attacks and military-grade encryption. The device has security that surpass NSA standards for security as well. The phone gets signed security updates from the brand.

The company also offers its own subscription. So, even network operators won't be able to track your current location. This includes access to 4Freedom apps, free international calling, and one phone number. You get end-to-end encrypted calls apart from AI-managed phone security.

The 4FreedomPhone also has a modern design with a corner punch hole and slim bezels. It has a 48-megapixel primary, an 8-megapixel telephoto, and a 5-megapixel ultrawide.

The MediaTek P60 processor powers the phone paired with 8GB RAM and 128GB storage. In addition, you get a 4,500mAh battery with 18W fast charging support.

21. Sikur One: Most Secure Phone With Zero Trust Philosophy

SIKUR One
Ready for any Android device
SIKUR
The security mindset

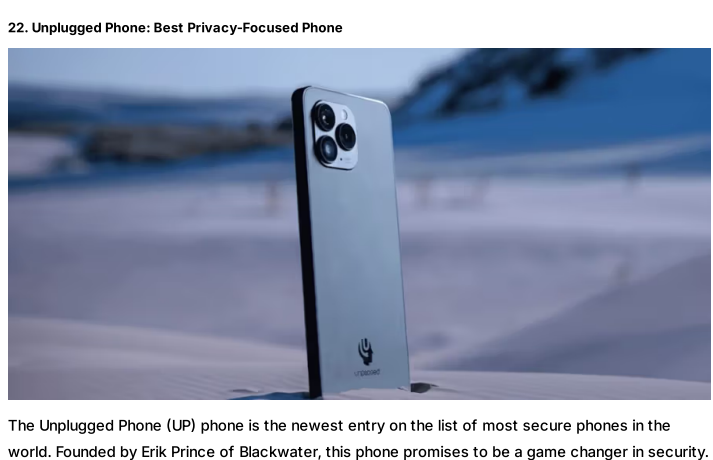
The Sikur One takes a unique approach to security, making it the latest entry on this list of most secure phone in the world. The phone is manufactured in collaboration with Brazilian company Multilaster. It relies on the Zero Trust approach.

This philosophy means you cannot trust anyone within an organization, so you must take a cautious approach to security. Hence, the Sikur One is made for those with sensitive data who work in a government or corporate setting.

The device's users will need to authenticate themselves using an authentication token function. Moreover, the phone is secure against malware and phishing, and it can be remotely wiped and cleaned in case it gets lost or stolen. It offers end-to-end encryption with total security, as users cannot install apps from third-party stores. Location data and USB file transfer are disabled for enhanced security.

The Sikur One features a 6.5-inch HD screen and is powered by an octa-core processor. It comes with 4GB of RAM and 128GB of storage, expandable via a MicroSD card slot. For optics, you get a triple camera setup with a 13-megapixel primary and a 5-megapixel selfie shooter on the front. All of this is backed by a 4,000mAh battery with 4G, Wi-Fi and Bluetooth for connectivity.

22. Unplugged Phone: Best Privacy-Focused Phone



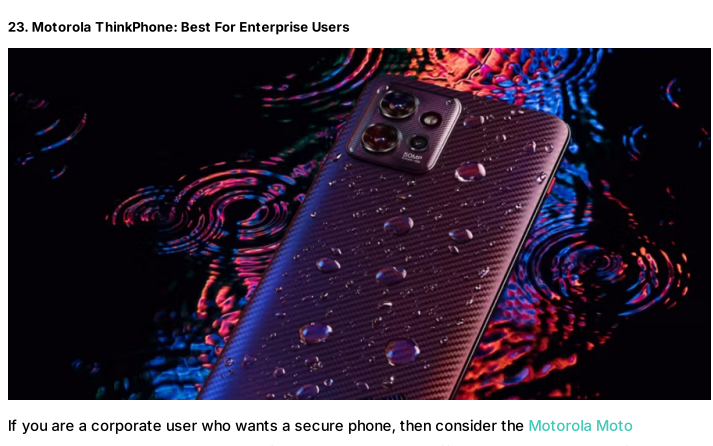
The Unplugged Phone (UP) phone is the newest entry on the list of most secure phones in the world. Founded by Erik Prince of Blackwater, this phone promises to be a game changer in security.

Powered by LibertOS, a proprietary OS made to preserve your privacy and data security. It includes a wide suite of apps, including UP Messenger, UP Antivirus and UP VPN. You can also set an emergency passcode to wipe all your data and inform your close contacts.

The phone has a dedicated kill switch that turns off all the microphones and cameras. It does it while disconnecting the battery and other circuits. No one will be able to track your phone after it is fully switched off. Unplugged offers a third-day return policy for a full refund. The phone is compatible with all major carriers in the US, including AT&T and T-Mobile.

When it comes to hardware, the UP phone has a 6.67-inch Full-HD+ display with Gorilla Glass. It has an octa-core processor paired with 8GB RAM and 256GB of storage. It is expandable via microSD card. The phone runs on LibertOS and comes with dual SIM and e-SIM support. It has a 108-megapixel primary, 8-megapixel ultrawide and a 5-megapixel macro.

23. Motorola ThinkPhone: Best For Enterprise Users



If you are a corporate user who wants a secure phone, then consider the Motorola Moto ThinkPhone. This device is designed for corporate users. It offers Thinkshield security for mobile users with AI defence systems. It comes with government certifications, and a dedicated incident response team.

Thanks to Moto KeySafe, all your data, such as PINs, passwords and cryptographic keys are safe. for enhanced security. Not only can it withstand internal security threats, but it is strong for external damage. It comes with Corning Gorilla Glass Victus and MIL-STD 810H certification.

You also get a companion app to sync and share your data with your ThinkPad laptop. The phone has an elegant design and powerful specs to match. You get a 6.55-inch pOLED screen with a 144Hz refresh rate. It has a Snapdragon 8+ Gen 1 processor paired with up to 12GB of RAM. It ships with Android 13 and offers up to 512GB of storage. There is a 50-megapixel dual camera. It has a 5,000mAh battery with 68W wired and 15W wireless charging support.

Most Secure Phone Based On Your Work Sector And Use Cases

After seeing this list of most secure phone in the world, it's easy to get confused when it comes to deciding which one is the best for you. To simplify your decision, you can take a look at the table below:

Sector	Most Suitable Phones	Reasons
Military & HLS Agencies	Bittium Tough Mobile 2C,Katim R01, Above Phone	These phones come with military-grade protection. There is dual operating systems for data separation and monitoring for threats. You can also find modes to disable wireless networks, camera, and microphone.
Government Organizations	K-iPhone,Solarin from Sirin Labs	Both phones provide high encryption, physical security switches, and VoIP. This is ideal for encrypted communications.
Healthcare Sector	Purism Librem 5, Samsung Galaxy S24 Ultra	The Purism Librem 5 offers layered security protection. It also has hardware kill switches for cameras and microphones. There is a Linux-based open-source operating system. It ensures high privacy and control over data. The S24 Ultra offers Knox security and an S-Pen, making it ideal for those in the healthcare sector.
Financial Institutions	Sirin Labs Finney U1, Google Pixel 9 Pro XL	Sirin Labs Finney U1 offers blockchain technology with a crypto wallet. Google Pixel 9 Pro XL has Titan M security chip and security updates. This ensures data protection for financial transactions.
Legal Firms	Blackphone PRIVY 2.0, Apple iPhone 16 Pro Max	The Blackphone PRIVY 2.0 uses a custom Silent OS for encrypted phone calls, texts, and video calls. It comes with end-to-end encryption and a no-log policy. This ensures confidentiality and security for sensitive legal communications. The Apple iPhone 16 Pro Max brings encryption features and timely updates.

Tips For Enhancing Smartphone Security

Choosing the most secure phone is just the first step; it's also important to take some measures to protect your device. Even the safest phones can be vulnerable if not used carefully. Here are some practical tips to help keep your phone safe from hacking and data breaches.

Keep Your Software Updated

Regularly updating your phone's operating system and apps is essential to fix security flaws that hackers can exploit. Turn on automatic updates or check for new versions frequently to ensure your device stays protected against the latest threats.

Use Strong Passwords and Two-Factor Authentication

Always create strong, unique passwords combining letters, numbers, and symbols. Avoid using the same password across accounts. Use biometric options like fingerprint or facial recognition for easier, secure access. Enable two-factor authentication (2FA) whenever available to add an extra verification step for better security.

Manage App Permissions Carefully

Only download apps from trusted sources like official app stores. Review the permissions each app requests and revoke any that aren't necessary for the app's function. This limits access to your sensitive data and reduces privacy risks.

Secure Your Network Connections

Public Wi-Fi networks are often unsafe. Avoid doing sensitive tasks such as banking over them. If you need to use public Wi-Fi, connect through a VPN to encrypt your data. At home, protect your Wi-Fi with a strong password and modern encryption like WPA3 to prevent unauthorized access.

Enable Remote Tracking and Data Wiping

Activate features like Find My iPhone or Find My Device to locate your phone if it's lost or stolen. Learn how to remotely lock or erase your device to protect your personal data from falling into the wrong hands.

Be Cautious with Links and Attachments

Phishing attacks use fake links and attachments to steal your data. Don't click on links or download files from unknown or suspicious sources. Watch out for messages that pressure you to act quickly or ask for personal information.

Regularly Back Up Your Data

Backing up your data regularly using cloud services like iCloud or Google Drive protects you from data loss if your phone is damaged or stolen. For extra security, keep an offline backup on your computer or external drive.

Frequently asked questions

Which phone is most secure?

The Purism Librem 5 is the most secure phone in 2025, offering three dedicated killswitches to turn off most of its functions. It runs on PureOS with a built-in VPN and lifetime software updates. You also get a unique design that isolates the cellular modem from the rest of the CPU.

Is iPhone the most secure phone?

While iPhones are generally known for their privacy, they are susceptible to attacks. Some of these attacks include spyware such as Lightspy and Pegasus.

Which phone cannot be tapped?

Phones like the Bittium Tough Mobile 2C and the Purism Librem 5 cannot be easily tapped. They offer hardware-grade encryption apart from complete data separation. This makes it one of the most secure phone.

Is Samsung more secure than iPhone?

Currently, iPhones are more secure than Samsung. They receive more timely updates and have more robust privacy controls. However, Samsung also offers features like Knox security for security and encryption.

Which secure phone runs on the latest operating system?

The Google Pixel 9 Pro XL is the most secure phone on this list that runs on the latest Android 14. It will receive seven years of OS updates. It also has a dedicated Titan M2 chip for security.

Is Google or Apple more secure phone?

Currently, Apple has more secure phone due to their tight control of the operating system. There are also some good privacy and security features.

Can iPhone be hacked?

Yes, iPhones are also susceptible to hacks and vulnerabilities. These include cyberattacks as well. Adopting a good security practices is important to keep your data secure.

Which is the most private phone?

The Blackphone PRIVY 2.0 is the most private phone with a no-log policy. It means the manufacturer can't check calls, messages, etc.

Is there any unhackable phone?

Unfortunately, there is no unhackable phone. Every smartphone is prone to hacks and spyware attacks. You can use a phone with hardware-grade encryption to get protection from hackers.

Which phone has the best security?

There are a lot of the best security phones in the world that are safe from hackers. Some of these include, Bittium Tough Mobile 2C, K-iPhone, Solarin from Sirin Labs, Purism Librem 5, Sirin Labs Finney U1 and others.

Which Android phone is safe?

The Google Pixel 9 Pro XL is currently the most secure phone. It comes with 7 years of OS updates directly from Google and Titan M2 chip for security.

Final Thoughts

That's it- these cutting-edge, top-of-the-line smartphones are among the best options available to keep your sensitive data safe and secure. Each of these highly secure phones comes with its own set of unique, advanced features designed specifically to protect your personal and professional information from prying eyes and potential threats. Additionally, it's worth noting that some of these devices are available only through special orders, which means you'll need to reach out directly to the manufacturer or an authorized distributor to purchase one. Others operate on a subscription-based model, allowing you the flexibility to pay as you use the service, which can be ideal for short-term or highly specialized needs.

Ultimately, the "most secure phone" for you will depend entirely on your specific requirements- whether you're a privacy-conscious individual looking to minimize tracking, a business executive handling sensitive corporate data, or simply someone who values the peace of mind that comes with knowing your device is as secure as modern technology can make it. No matter which device you decide to invest in, always keep in mind that maintaining security also requires ongoing effort: regular software updates, strong and unique passwords, and practicing good digital hygiene are all crucial habits to ensure your phone remains protected against emerging threats.

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