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Top 16 Safest Cold Wallets in 2024 – Compare & Choose the Best for Crypto Security

If you're searching for the ultimate security for your cryptocurrency, you've probably heard of cold wallets – a safe haven that safeguards your digital assets by staying offline. Unlike hot wallets, cold wallets minimize hacking risks by remaining disconnected from the internet, making them an unassailable fortress if properly secured. However, navigating the myriad of options can be daunting, especially considering their price tags and complex interfaces.

We've conducted a comprehensive review of the top 16 cold wallets for 2024, comprehensively breaking down their safety credentials, coin compatibility, pricing, and other crucial factors.

Whether you're a crypto novice or a seasoned investor, our guide will help you find the perfect cold wallet that aligns with your needs and budget. Explore our comprehensive reviews and make an informed decision today.

Top 16 Crypto Cold Wallets for Security

Discover the top 16 cold crypto wallets that offer unparalleled security and functionality for your digital assets.

- **Ledger Nano X** – Supports over 5,000 coins and connects to PCs or smartphones via USB-C.
- **Ledger Nano S Plus** – Supports over 10,000 cryptos with CC EAL 5+ security and 2FA protection.
- **Trezor Model One** – Supports over 9,000 cryptocurrencies and connects to PCs and Android phones via USB-A.
- **Trezor Model T** – Supports 9,000+ cryptos like the Model One but comes with a touchscreen and USB type-C.
- **Ledger Stax** – Supports over 5,000 cryptos and comes with Bluetooth, USB-C, and CC EAL 6+ protection.
- **Blockstream Jade** – Bitcoin-only wallet with air-gapped functionality.
- **NGRAVE** – Offers high security with EAL 7 certification, fully offline operation using QR codes, and support for over 1,000 cryptos.
- **BitBox02** – Supports 1,500 coins and has a USB-C connector, secure chip technology, and microSD backup.
- **Coldcard** – Bitcoin-only wallet with a strong focus on simple design and ease of use.
- **OpenDime** – Enables private, one-time-use transactions, mimicking cash-like transfers.
- **CoolWallet Pro** – Supports over 12,000 coins across 30 blockchain networks and also has staking functionality.
- **SafePal S1** – Supports over 100 blockchain networks with a huge number of cryptos and includes self-custody.
- **SecuX V20** – Compatible with web-based applications, USB type-C, and supports over 10,000 cryptocurrencies.
- **Material Bitcoin** – Easy-to-use cold wallet offers a lifetime warranty and free assistance. Shock, flood, and fire resistant.
- **KeepKey** – Works with over 300 blockchain networks and over 7,200 crypto coins.
- **BitAddresses** – Offers a free alternative to typical cold wallets by generating Bitcoin wallet addresses and private keys on paper.

Crypto Cold Wallet: Definition & Benefits

Cryptocurrency cold wallets are the ultimate safeguard for your digital assets, offering unparalleled security compared to traditional hot wallets. Essentially, a cold wallet is a device or a QR code printed on paper that stores cryptocurrencies offline, completely disconnected from the internet. This isolation from the web ensures that your coins and tokens are impervious to hacking attempts, making them an invaluable asset for long-term storage.

In contrast, hot wallets, whether hosted on exchanges or installed on devices like laptops and smartphones, are always vulnerable to online threats. Even if you opt for one of the top-rated hot wallets, there's always a risk of losing your funds, especially when entrusting them to third-party exchanges. That's why it's highly recommended to keep your cryptocurrencies in a cold wallet whenever possible.

Moreover, even if you can't afford a dedicated cold wallet device, you should never store your assets online on an exchange. Instead, transfer them to a hardware wallet or install a secure wallet on your personal device. [cryptocurrency](#) exchanges are prime targets for hackers, while attacking individual devices poses a significant challenge, especially if you don't run your wallet in the background.

Some cold wallets offer additional features that make them even more appealing. For instance, some models allow you to swap or stake your cryptocurrencies, earning passive income while keeping your funds safe. This versatility and enhanced security make cold wallets the ideal choice for anyone looking to protect their digital assets for the long haul.

Best Crypto Cold Storage Wallets: Review & Comparison

Exploring the top cold storage crypto wallets and why they deserve a spot on our definitive list.

ELLIPAL Titan 2.0

Type of Wallet	Hardware wallet with an app and camera
Supported Cryptos	Over 10,000 cryptocurrencies across 52 blockchain networks, including Bitcoin, Ethereum, Solana, and Binance Smart Chain
Fees	Costs $169. Fiat payments are supported by Changelly (fees built into the price)
Mobile App?	Yes
Staking/Interest?	Yes, supports Cardano, Cosmos, Polkadot, and Tezos
Staking/Interest Rate	Up to 10%

The ELLIPAL Titan 2.0 offers unlimited storage, enabling users to create as many wallets as needed. Its compatibility with over 52 blockchain networks and 10,000 cryptocurrencies, including Bitcoin, ERC20, and BSC tokens, ensures broad coverage across the digital asset landscape. Moreover, the ELLIPAL Titan 2.0 app provides a comprehensive suite of features, including integration with Changelly for buying and selling cryptocurrencies with fiat money, staking support across multiple coins, and connectivity to dApps through MetaMask or WalletConnect.

- **Pros:**
- 100% air-gapped transactions for enhanced security
- Comes with a 4-inch device and a 5M AF camera for convenient QR code scanning
- Transactions are verified by scanning QR codes, ensuring tamper-proof authenticity

- Staking tools with APYs of up to 10% offer lucrative rewards
- **Cons:**
- Fiat transactions are processed by Changelly, introducing a third-party dependency
- Heavier than some other hardware wallets

Ledger Nano S Plus

During the setup process, users are provided with a crucial backup passphrase, a 24-word sequence displayed on the device's screen. Additionally, a PIN is required to authorize transactions, ensuring that your funds remain safe and secure. Should you forget your PIN, the backup passphrase serves as a failsafe to regain access to your wallet.

The offers unmatched flexibility and versatility. In the event of loss, damage, or theft, you can remotely recover your wallet, ensuring that your digital assets remain within your control. This wallet supports over 5,000 cryptocurrencies across multiple networks, including Bitcoin, Polkadot, Binance Smart Chain, XRP, and Ethereum, providing you with the freedom to manage your investments across a wide range of blockchain ecosystems.

Moreover, the integrates seamlessly with Ledger Live, a user-friendly platform that allows you to manage your investments with ease. Additionally, you can leverage staking opportunities to earn passive rewards on your cryptocurrencies, further enhancing the value of your portfolio.

Type of Wallet	Hardware wallet. Also offers a mobile app and desktop software for managing investments.
Supported Cryptos	Over 5,000 cryptocurrencies across multiple blockchains, including Bitcoin, Ethereum, Polkadot, and Binance Smart Chain
Fees	Costs $79. Token swaps, staking, and fiat purchases are provided by third parties.
Mobile App?	Yes
Staking/Interest?	Yes, provided by third parties.
Staking/Interest Rate	Depends on the cryptocurrency and the third party.

- **Pros:**
    - Cost-effective solution for secure cold storage
    - Supports over 5,000 cryptocurrencies, covering multiple blockchain networks
    - Ability to store crypto and NFTs securely
    - Staking tool for earning passive rewards
- **Cons:**
    - Potentially higher fees for some services provided by third parties
    - Fiat payments may require Know Your Customer (KYC) verification

- Upon setup, users are prompted to create a 24-word backup passphrase displayed on the screen, along with a PIN for additional security.
- Without the PIN, transactions cannot be authorized, and in case of its loss, the backup passphrase serves as a recovery mechanism.
- The boasts remote recovery capabilities, ensuring that even in cases of loss, damage, or theft, your funds remain accessible.
- Supporting over 5,000 cryptocurrencies across numerous networks, including Bitcoin, Polkadot, Binance Smart Chain, XRP, and Ethereum, it caters to a wide range of digital asset holders.
- Integration with Ledger Live allows for seamless management of your investments, while staking cryptocurrencies offers the opportunity to earn passive rewards.

Trezor One

Introducing the , a robust and secure entry-level hardware wallet that offers advanced security features without compromising on user-friendliness. Despite its status as an entry-level device, the boasts the same robust security measures as its more advanced counterparts. At the heart of its security is a PIN system that ranges from 4 to 50 digits, ensuring that every transaction is authorized by the user and cannot be remotely compromised. Additionally, users are provided with a 12- or 24-word backup passphrase during setup, ensuring that your funds remain safe and accessible, even in the event of unexpected loss or damage. With the , you can enjoy the peace of mind that comes with using a trusted and secure hardware wallet.

The boasts support for nearly 1,300 cryptocurrencies, encompassing leading coins such as Bitcoin, Ethereum, and XRP. Its robust functionality ensures that your investment is not only secure but also accessible, with the added convenience of a mobile app and desktop software.

• **Affordable:** Costing just $69, the offers an economical yet robust solution for secure cryptocurrency storage.
• **Versatile Compatibility:** Supports a wide range of cryptocurrencies, including the best ERC20 tokens, and integrates seamlessly with Trezor Suite for cross-platform management.
• **Offline Encryption:** Your private keys are always kept offline, ensuring maximum security for your digital assets.

Key Considerations:
• **No Staking:** While the offers robust security and management features, it does not currently support staking.
• **Debit/Credit Card Fees:** Fiat purchases processed via third parties may incur fees of up to 5.75%.

Trezor Model T

Beyond its user-friendly interface, the Model T boasts broader compatibility, supporting USB type-C for easier connectivity and an impressive list of over 167 additional cryptocurrencies compared to Model One. This expansive support ensures that your diverse crypto holdings are safely secured in one convenient device.

One of the standout features of the Model T is its built-in staking tool, enabling you to earn rewards on select coins such as Cardano and Tezos. While [Ethereum](#) 2.0 staking support is still pending, this integration provides a seamless way to leverage your crypto holdings and earn additional returns. Similar to the Trezor One, the Model T enables the purchase and swapping of cryptocurrencies, though these services are facilitated by third-party providers who may charge higher fees. Nonetheless, the wallet offers comprehensive crypto management solutions, including a mobile app and desktop software, enabling you to seamlessly manage your investments on-the-go.

Here's a quick overview of the Model T's key specifications:

Type of Wallet	Hardware wallet with mobile app and desktop software support
Supported Cryptos	Over 1,450 cryptocurrencies, including Bitcoin, Ethereum, and XRP
Fees	GAS fees charged at real-time rate. Fiat purchases processed via third parties with fees up to 5.75%
Mobile App?	Yes
Staking/Interest?	Yes – supports Cardano and Tezos
Staking/Interest Rate	Determined by the proof-of-stake network. GAS fees apply.

- **Enhanced User Interface:** The Model T incorporates a touchscreen, replacing the traditional two-button pad, providing a more intuitive and streamlined experience for processing

transactions.
- **Broad Compatibility:** Supporting USB type-C, the Model T offers enhanced connectivity options compared to the Model One, alongside compatibility with over 167 additional cryptocurrencies.
- **Built-in Staking:** This wallet includes a staking tool that supports coins like Cardano and Tezos, offering users an opportunity to earn rewards on their holdings.

While staking for Ethereum 2.0 is not yet supported, the Model T's comprehensive features and capabilities make it a compelling choice for crypto enthusiasts.

Type of Wallet	Hardware wallet with mobile app and desktop software support
Supported Cryptos	Over 1,450 cryptocurrencies, including Bitcoin, Ethereum, and XRP
Fees	GAS fees charged at real-time rate. Fiat purchases via third-party processors with fees up to 5.75%.
Mobile App?	Yes
Staking/Interest?	Yes – supports staking for coins like Cardano and Tezos
Staking/Interest Rate	Determined by the proof-of-stake network. GAS fees apply.

Ledger Stax

Wallet Type	Hardware wallet with mobile app and desktop software support
Supported Cryptos	Over 5,000 cryptocurrencies across multiple blockchains, including Bitcoin, Ethereum, Polkadot, and Binance Smart Chain
Fees	Costs $279. Token swaps, staking, and fiat purchases are provided by third parties.
Mobile App?	Yes
Staking/Interest?	Yes, provided by third parties
Staking/Interest Rate	Depends on the cryptocurrency and the third party
Storage	Non-custodial

stands apart from its counterparts with its advanced features. Chiefly, it boasts Bluetooth connectivity, enabling seamless pairing with the Ledger Live software for a streamlined user experience. This eliminates the need for cumbersome cables and makes managing your crypto investments a breeze.

Moreover, introduces wireless charging, a rarity in hardware wallets, which ensures uninterrupted use without worrying about battery life. Its curved touchscreen further enhances the usability, making verifying transactions a hassle-free task.

Customizable lock screens add a personal touch to the device, allowing users to personalize their according to their preferences. Embedded magnets ensure secure attachment to compatible surfaces, adding to its portability and convenience.

- **Pros:**
    - Curved touchscreen for enhanced usability
    - Bluetooth connectivity for seamless pairing with Ledger Live
    - Wireless charging for uninterrupted use
    - Customizable lock screens for a personalized experience

- **Cons:**
    - Higher price tag compared to other Ledger models

- Due to its popularity, there's often a waitlist for new buyers

Furthermore, the boasts wireless charging capabilities and a curved touchscreen, significantly enhancing the transaction verification process. The curved display makes it less cumbersome to navigate and verify transactions on the Ledger device.

Additional perks include customizable lock screens and embedded magnets, adding a personal touch to your hardware wallet. While these features may not directly justify the $200 price difference, they contribute to the Stax's popularity among both beginners and experienced users.

Blockstream Jade

Introducing the , an innovative cold wallet that offers unparalleled security and user-friendliness at an affordable price of just $64.99. Tailored specifically for [Bitcoin](#) and Liquid Network enthusiasts, this compact wallet is the perfect choice for those looking for a reliable and secure way to store their digital assets.

Boasting a sleek and compact design, the Jade wallet features a 29 mm IPS LCD display housed in a matte black body. Despite its small size, the Jade wallet maintains full functionality, providing users with an intuitive and user-friendly experience. The focus on security is evident in the wallet's offline key storage, secure element in the hardware, and Multisig Shield technology.

One of the standout features of the Jade wallet is its fully air-gapped transaction capability. This unique feature utilizes an inbuilt camera for QR code scanning and display, eliminating the need for USB or Bluetooth connections, thereby enhancing security. The wallet's open-source software further promotes transparency and allows for community contributions, ensuring continuous improvements and updates.

While the Jade wallet is primarily compatible with Bitcoin and Liquid Network assets such as Liquid Bitcoin (L-BTC) and Liquid-based Tether (L-USDT), it offers a wide range of functionalities. Users can connect the wallet to the Blockstream Green app on both mobile and desktop devices, enabling features like Singlesig and Multisig support, fee control, Tor integration, and the ability to manage multiple wallets.

In addition to its robust feature set, the Jade wallet also includes several unique security measures. The wallet allows users to create spoof wallets, deceiving potential attackers and adding an extra layer of protection. Furthermore, the wallet's self-destructing PIN feature activates after three incorrect entries, ensuring full protection against unauthorized access.

Type of Wallet	Cryptos Supported	Fees	Mobile App?	Staking/Interest?	Staking/Interest Rate
Hardware	Bitcoin, Liquid Network assets (L-BTC, Liquid-based Tether)	None (except initial purchase cost)	Yes, Blockstream Green app	NA	NA

- **Pros:**
  - Affordable and compact design
  - Unique air-gapped transactions for enhanced security
  - Open-source software
  - Multisig support and spoof wallet creation

- **Cons:**
    - Limited to Bitcoin and Liquid networks

NGRAVE

Introducing the , a ground-breaking cold wallet designed specifically for Bitcoin and Liquid Network enthusiasts. At an incredibly affordable price of just $64.99, this compact device offers unparalleled security and ease-of-use, making it a must-have for any crypto enthusiast.

The Jade wallet's sleek matte black body houses a 29 mm IPS LCD, providing a clear and intuitive display that doesn't compromise on portability. But what really sets the Jade apart is its focus on security. With offline key storage, a secure element embedded in the hardware, and Multisig Shield technology, your funds are protected from any potential threats.

A unique feature of the Jade is its fully air-gapped transaction capability. Utilizing an inbuilt camera for QR code scanning and display, this eliminates the need for USB or Bluetooth connections, further enhancing security. 's open-source software also fosters transparency and allows for community contributions, ensuring that the wallet remains up-to-date with the latest advancements in cryptocurrency security.

Despite its small size, the Jade wallet packs a punch in terms of features. It supports Singlesig and Multisig, giving you the flexibility to choose the level of security that suits your needs. You can also control transaction fees, integrate with Tor for enhanced anonymity, and manage multiple wallets all from one device. Plus, with the ability to create spoof wallets, you can deceive potential attackers and protect your real funds.

But perhaps the most impressive security measure is the Jade's self-destructing PIN. After three incorrect entries, the PIN self-destructs, ensuring that unauthorized access is impossible. This, coupled with the Jade's other robust security features, makes it an unbeatable choice for storing your Bitcoin and Liquid Network assets.

Compatibility with the Blockstream Green app on mobile and desktop makes managing your Jade wallet a breeze. You can access your funds, send and receive transactions, and stay up-to-date on the latest market news, all from the palm of your hand.

Here's a quick overview of the Jade's specifications:

Type of Wallet	Cold Wallet
Supported Cryptos	Bitcoin, Liquid Network assets (L-BTC, Liquid-based Tether)
Fees	None (except initial purchase cost)
Mobile App?	Yes, Blockstream Green app
Staking/Interest?	NA
Staking/Interest Rate	NA
Hardware	Offline key storage, secure element, Multisig Shield technology

Pros:

- **Affordable and compact design:** The Jade offers unbeatable value for money, without compromising on features or security.
- **Unique air-gapped transactions:** Ensures enhanced security by eliminating the need for USB or Bluetooth connections.
- **Open-source software:** Fosters transparency and allows for community contributions.
- **Multisig support and spoof wallet creation:** Provides multiple layers of security for your funds.

Cons:

- **Limited to Bitcoin and Liquid networks:** The Jade is not compatible with other cryptocurrencies.

Boasting a fully offline design, the ZERO eliminates the need for USB cables or network connections, ensuring that private key generation and protection occur in an isolated and highly secure environment. Leveraging QR codes for transactions, seamlessly integrated with the Liquid app, this wallet ensures secure and hassle-free transactions.

With support for over 1,000 cryptocurrencies, including major coins like Bitcoin, Ethereum, ERC20 tokens, and even NFTs, the ZERO caters to the diverse needs of crypto enthusiasts. Its user-friendly interface, featuring a high-resolution 4-inch color LCD touchscreen, provides a seamless experience. Additionally, it is powered by a 1200 mAh battery and includes a built-in camera and fingerprint scanner, enhancing security and convenience.

The sleek and durable design of the ZERO wallet is reminiscent of a high-quality smartphone, with water and dust resistance capabilities. Its premium pricing reflects the unparalleled security and advanced features it offers.

BitBox02

Boasting an OLED screen and intuitive touch sliders, the BitBox02 provides a seamless user experience. The addition of a USB-C connector allows for direct and effortless connectivity with computers and smartphones, eliminating the need for additional adapters or cables. Setting up the wallet is a straightforward process, supporting a wide range of operating systems including Windows, Mac OS, Linux, and Android.

During the setup process, users are prompted to create a secure password and backup their wallet on a microSD card, offering a novel approach to traditional seed phrase backups. However, it is still recommended to write down the seed phrase for added security.

The BitBox02's security credentials are unparalleled, featuring a secure chip (ATECC608A) and an open-source framework that allows for rigorous expert inspection. This ensures that the wallet's codebase is free from vulnerabilities and provides users with the utmost peace of mind. The wallet also supports Tor and full-node connections, keeping sensitive data such as IP addresses confidential.

Moreover, the BitBox02 doubles as a FIDO Universal 2nd Factor (U2F) authenticator, enhancing security on various platforms. This multifunctionality, coupled with its USB-C support, makes the BitBox02 highly compatible with modern technology, including phones, laptops, and desktops. Here's a quick overview of the key specifications and features of the BitBox02:

Type of Wallet	Hardware
Supported Cryptos	Bitcoin, Ethereum, Litecoin, ERC20 tokens
Fees	None (except initial purchase cost)
Mobile App?	Yes, BitBoxApp
Staking/Interest?	NA
Staking/Interest Rate	NA

Here are some of the BitBox02's standout advantages:

- **Sleek Design:** With its OLED screen and easy-to-use touch sliders, the BitBox02 offers a sleek and modern design that is both visually appealing and functional.
- **USB-C Connector:** The USB-C connector ensures seamless connectivity with computers and smartphones, eliminating the need for additional cables or adapters.
- **Open-Source:** The open-source framework allows for rigorous expert inspection, ensuring

that the wallet's codebase is secure and free from vulnerabilities.

However, there are some potential drawbacks to consider:

- **MicroSD Backup:** The use of a microSD card for wallet backups might be less familiar to some users compared to traditional seed phrase backups.

At the heart of its functionality lies a USB-C connector, enabling seamless connectivity with computers, laptops, and even smartphones. Setup is straightforward, supporting a wide range of operating systems including Windows, Mac OS, Linux, and Android. The process involves creating a secure password and backing up your wallet on a microSD card, a unique approach that eliminates the need for traditional seed phrases, though writing down the seed phrase is still advisable for added security.
In terms of security, the BitBox02 stands tall. It utilizes a robust secure chip (ATECC608A) and boasts an open-source framework, allowing experts to thoroughly inspect and enhance its security profile. Furthermore, it supports Tor and full-node connections, keeping your sensitive data like IP addresses confidential. What's more, the BitBox02 doubles as a FIDO Universal 2nd Factor (U2F) authenticator, bolstering security on various platforms.
Here's a quick overview of the key specifications and features:

ColdCard

At the heart of the wallet lies its air-gap support, which enables it to operate entirely offline. This crucial feature provides a robust defense against online threats, ensuring that your Bitcoin remains secure and inaccessible to hackers. By eliminating the need for an internet connection, the wallet ensures that your funds are protected from the ever-evolving landscape of cyberattacks.
Further enhancing the wallet's security is its Micro-SD support. This innovative feature simplifies the backup process, allowing users to easily back up their wallet's seed phrase without the need to write it down. This eliminates the risk of losing or misplacing your seed phrase, ensuring that you always have access to your Bitcoin in the event of a lost or stolen wallet.
The wallet also boasts unique security features that set it apart from other cold wallets. The Duress Pin allows users to open a secondary wallet in case of emergency, providing a decoy option to deter potential attackers. Meanwhile, the Brick Pin can be used to [Render](#) the device unusable in extreme circumstances, offering an extra layer of protection for your digital assets.
In terms of design, the Mk4 model features a USB-C connector, improving its compatibility with various devices. This ensures that you can easily connect and interact with your wallet, regardless of the device you're using. Additionally, the device's clear plastic case adds to its physical security, allowing users to detect any tampering or unauthorized access attempts.
Here's a
Type of Wallet
Hardware

Supported Cryptos
Bitcoin only

Fees
None (except initial purchase cost)

Mobile App?
No

Staking/Interest?
No

Staking/Interest Rate
NA

- **Pros:**
    - Air-gap support for high offline security
    - Micro-SD support for easy backups
    - Unique security features like Duress and Brick Pins

- **Cons:**
    - Limited to Bitcoin

Opendime

This one-time-use wallet enables users to load Bitcoin once for secure offline storage and transactions. The latest v4 version further enhances its tamper-proof features, ensuring the utmost security of your digital assets. 's key advantage lies in its ability to facilitate private and anonymous transactions, much like cash, offering increased privacy and helping alleviate scalability issues by reducing network load.

Transactions through are entirely free, excluding the initial cost of purchasing the device. However, it's crucial to note that once the private keys of the wallet are exposed, it becomes unusable as a Bitcoin wallet and should be disposed of securely. This single-use nature underscores 's focus on secure, physical transactions, perfect for users primarily involved in Bitcoin.

Here's a quick overview of 's specifications and features:

Type of Wallet	Hardware (One-time use)
Supported Cryptos	Bitcoin only
Fees	None (except initial purchase cost)
Mobile App?	No
Staking/Interest?	No
Staking/Interest Rate	NA

The pros of using include:

- **Private and Anonymous Transactions:** Facilitates private, cash-like transactions, enhancing privacy.
- **Simplicity and Portability:** Boasts a user-friendly design that is small, lightweight, and easy to carry.

CW Pro

Type of Wallet	Hardware wallet with a mobile app for managing investments
Supported Cryptos	Over 12,000 cryptocurrencies across 27 blockchain networks, including Bitcoin, Ethereum, BNB, Polkadot, Cardano, and Solana
Fees	Token swaps and other DeFi tools are determined by the connected dApp
Mobile App?	Yes, native mobile app for iOS and Android

Staking/Interest?	Yes, supports staking on multiple PoS coins
Staking/Interest Rate	Determined by the chosen proof-of-stake network
Additional Features	Bluetooth connectivity, WalletConnect compatibility, lightweight credit card-like design, USB connector for smartphones

offers an intuitive native mobile app for iOS and Android, enabling users to initiate transactions seamlessly. The app connects to the device via a secure encrypted Bluetooth connection, eliminating the need for cumbersome USB cables or Wi-Fi. This not only enhances security but also provides a convenient and portable solution for on-the-go transactions.

With compatibility with WalletConnect, allows users to connect to popular decentralized applications (dApps) like OpenSea and UniSwap. This gives users access to a wide range of decentralized finance (DeFi) tools and services, all while maintaining the security of their private keys.

The device itself boasts a lightweight and credit card-like design, making it easy to carry and store. Despite its compact size, it packs powerful features, including support for over 12,000 cryptocurrencies across 27 blockchain networks. This extensive coverage ensures that users can manage and transact their favorite digital assets, regardless of the network they belong to.

- **Pros:**
    - Supports over 12,000 cryptocurrencies across 27 blockchain networks
    - Offers a native mobile app to streamline transactions
    - Bluetooth connectivity to avoid Wi-Fi and USB cables
    - Staking tools for multiple proof-of-stake (PoS) coins
- **Cons:**
    - Does not offer desktop software

SafePal S1

The intuitive process of setting up transactions on the app or browser extension, supported by iOS, Android, Chrome, Edge, and Firefox, makes it easy for users to initiate transfers. Once the transaction details are entered, the generates a unique QR code that can be scanned using the device's built-in camera. This added layer of verification ensures that only the authorized user can confirm and execute the transaction by entering their PIN on the device.
One of the standout features of the is its broad support for various cryptocurrencies. It covers a diverse range of network standards, including Bitcoin, Ethereum, Fantom, Optimism, Polkadot, Polygon, and Binance Smart Chain. This comprehensive coverage allows users to manage and transact in over 30,000 cryptocurrencies across multiple networks, including some of the most emerging cryptocurrencies in the market.
The table below summarizes the key specifications and features of the :

Type of Wallet	Hardware wallet with built-in camera
Supported Cryptos	Over 30,000 cryptocurrencies across multiple networks
Fees	Token swap fee is 0.3%. Fiat payments go through Simplex and average at 3.5-5%.
Mobile App?	Yes
Staking/Interest?	Yes, staking and yield farming tools provided by Binance Earn
Staking/Interest Rate	Varies depending on the cryptocurrency and product
Storage	Non-custodial

The boasts several advantages that make it an excellent choice for cryptocurrency enthusiasts:

- **Air-Gapped Signing Mechanism:** Avoids internet, cable, and Bluetooth connections, minimizing security risks.
- **QR Code Verification:** Transactions are verified by scanning a unique QR code, ensuring only authorized users can confirm them.
- **Broad Cryptocurrency Support:** Supports over 30,000 cryptocurrencies across multiple networks, including emerging cryptocurrencies.
- **Built-in Binance API:** Allows for seamless trading and staking through Binance Earn.
- **Affordable:** Costs only $49, providing excellent value for money.

However, it's worth noting that the has a few limitations:

- **No Desktop Support:** The wallet is currently only available as a mobile app or browser extension.
- **Token Swap Fee:** There is a 0.3% token swap fee associated with transactions.

Pros and Cons

- **Pros:**

    - Air-gapped signing mechanism avoids internet, cable, and Bluetooth
    - Transactions are verified by QR codes
    - Built-in Binance API for trading and staking
    - Affordable pricing

- **Cons:**

    - No desktop support
    - 0.3% token swap fee

SecuX V20

At the heart of the lies a robust 2.8-inch touchscreen interface, significantly larger than most cold wallets in its category. This expansive display enables users to effortlessly process transactions and keep track of their portfolio balances, including the cryptocurrency type and number of tokens held. The intuitive interface ensures a seamless experience, even for those new to the world of cryptocurrency.

To ensure the utmost security, the employs a multi-layered authentication process. Users initially input transaction details on the accompanying app or website, leveraging the secure Bluetooth connection for seamless data transfer. Once the transaction details are set, users must physically interact with the device to confirm the transaction by entering their unique PIN. This physical authentication step adds an extra layer of security, preventing unauthorized access and ensuring the integrity of transactions.

Moreover, the also supports USB type-C connectivity, offering users additional flexibility and convenience. Additionally, during the setup process, users are provided with a backup passphrase, further enhancing the wallet's resilience against potential threats.

The is a non-custodial wallet, meaning users retain complete ownership and control over their cryptocurrencies. This ensures that users' funds remain safe and secure, without the involvement of any third-party intermediaries.

Type of Wallet	Hardware wallet with an app and web-based interface for managing transactions
Supported Cryptos	Over 10,000 cryptocurrencies across 300 blockchains, including Bitcoin, Solana, XRP, and Ethereum
Fees	Costs $139. Users can buy selected cryptocurrencies with a debit/credit card (service provided by Coinify)
Mobile App?	Yes
Staking/Interest?	Yes, but currently only supports FIO tokens. APYs not published by .

- **Pros:**
  - Transactions confirmed over Bluetooth or USB type-C for secure and convenient data transfer
  - Supports more than 300 blockchains and over 10,000 cryptocurrencies, catering to a wide range of investors
  - Large touchscreen interface provides an intuitive and seamless user experience
- **Cons:**
  - Staking is currently only supported for FIO tokens
  - Uses Coinify for fiat money payments, introducing a third-party dependency

Material BITCOIN

Looking for a secure and reliable cold wallet to store your Bitcoin, Ethereum, and [USDT](#) tokens? Introducing , a top-tier cold wallet designed to safeguard your digital assets with unmatched security and durability. As one of the safest cold wallets in 2024, offers a unique solution for both beginners and advanced traders alike.

Unparalleled Security
sets itself apart by utilizing no electronic components, thus eliminating the risk of cyber-attacks. Constructed from AISI 304L steel, this wallet is fire, flood, and shock-resistant, ensuring your assets remain protected in any scenario. The private key, generated by a key engine, is robotically engraved onto the wallet's steel plate, and then removed from the system's memory, guaranteeing complete security.

Ease of Use
Whether you're new to the crypto world or a seasoned trader, provides you with tutorials, instructions, and free assistance to make your life easier. To deposit crypto tokens, simply scan the QR code on the physical device, and proceed to transfer funds to the scanned wallet address. 's automated manufacturing process ensures that your private keys remain private, as the wallet does not store or view them.

Comprehensive Features
This cold wallet comes with a lifetime warranty, ensuring peace of mind and hassle-free usage. If the legibility of the private key worsens over time, will replace your wallet free of cost. Additionally, the platform offers access to multiple cold wallets, such as Material Ether for Ethereum and Material USDT for USDT tokens, allowing you to diversify your holdings. For those who prefer a DIY approach, a DIY wallet option is available, enabling you to engrave your own seed phrase.

Pricing and Compatibility
The standard wallet, suitable for storing Bitcoin, retails at just $89. While the wallet does not support staking or interest earnings, it is ideal for those looking to hold their assets for the long-term. Please note that does not have a mobile app and does not charge any fees for its services.

In a Nutshell
Here's a quick overview of 's key features:

Type of Wallet	Hardware wallet with a QR code for processing transactions

Supported Cryptos	Bitcoin, Ethereum, Tether
Fees	No
Mobile App?	No
Staking/Interest?	No
Staking/Interest Rate	N/A

Pros

- Easy-to-use wallet equipped with tutorials and free assistance
- Provides a lifetime warranty
- Uses no electronic components, eliminating cyber-attack risks

Cons

- Supports a limited number of cryptos
- Better suited for long-term asset holding

KeepKey

stands as the premier cold wallet solution for securely storing BTC, ETH, and USDT tokens. In an ever-evolving digital landscape, where cyber-security threats are constantly looming, offers unparalleled protection and peace of mind. As one of the safest cold wallets in 2024, it boasts a unique design that eschews electronic components, effectively shielding it from cyber-attacks. Crafted from AISI 304L steel, is built to last. This robust material ensures your wallet is fire, flood, and shock-resistant, safeguarding your digital assets in any eventuality. Whether you're a beginner just dipping your toes into the crypto waters or a seasoned trader with years of experience, offers tutorials, instructions, and free assistance to make your cryptocurrency journey smoother.
To begin depositing your crypto tokens on , all you need to do is scan the QR code on the physical device. Once scanned, investors can proceed to transfer funds to the corresponding wallet address. follows an automated manufacturing process that ensures it does not store or have access to your private keys. Instead, a key engine generates the private key, which is then engraved onto the wallet's steel plate using a precision robotic process. After the engraving is complete, the private key is securely removed from the system's memory, ensuring maximum security.
This top-tier cold wallet comes with a lifetime warranty, giving you added confidence in its durability and reliability. If the legibility of your private key ever fades, will replace your wallet free of cost. On this comprehensive platform, you can also access a range of other cold wallets, including Material Ether for storing Ethereum and Material USDT for safeguarding USDT tokens.
For those with a DIY mindset, offers a custom wallet option that allows you to engrave your own seed phrase. This personal touch adds an extra layer of security and customization to your crypto storage experience. For storing Bitcoin specifically, the standard wallet is your go-to choice, retailing at a competitive price of just $89.
Here's a quick overview of 's key features and specifications:

Type of Wallet	Hardware wallet with a QR code for processing transactions
Supported Cryptos	Bitcoin, Ethereum, Tether (USDT)
Fees	Standard wallet costs $89
Mobile App?	No
Staking/Interest?	No
Staking/Interest Rate	N/A

- **Pros:**
    - Easy-to-use wallet with tutorials and free assistance
    - Lifetime warranty for added durability
    - No electronic components, eliminating cyber-security risks

- **Cons:**
    - Supports a limited number of cryptocurrencies
    - Better suited for long-term asset holding

BitAddress

To utilize , simply create a wallet, transfer your Bitcoin to the designated address, and then print the address and public keys onto a secure sheet of paper. Ensuring the paper is kept in a safe location is crucial to maintaining the integrity of your digital assets.

With , you can enjoy the benefits of a paper wallet's inherent offline security. Unlike digital wallets, paper wallets are not susceptible to online threats, making them an excellent choice for those seeking a more traditional yet effective means of Bitcoin storage. However, it's important to note that QR codes must be printed accurately before transferring funds to avoid any potential issues. It's worth mentioning that specializes solely in Bitcoin, ensuring a focused and streamlined experience for users. Here's a quick overview of 's key features and considerations:

Type of Wallet	Paper Wallet
Supported Cryptos	Bitcoin
Fees	None
Mobile App?	No
Staking/Interest?	No
Staking/Interest Rate	N/A

- **Pros:**
    - Free cold wallet solution
    - Ability to create an unlimited number of Bitcoin addresses
    - Private keys can be printed as a QR code for easy access

- **Cons:**
    - Transferring funds can be cumbersome
    - Supports only Bitcoin

Crypto Wallets: Why Choose a Cold Wallet?

Unparalleled Security Through Offline Storage

One of the most significant benefits of a cold wallet is its offline nature. Unlike hot wallets, which are constantly connected to live servers, cold wallets remain disconnected from the internet, eliminating the risk of remote hacking attempts. This crucial safeguard ensures that your funds are protected from the vast majority of cyber threats, as most cryptocurrency scams occur when individuals are connected to the internet. Furthermore, cold wallets are typically installed on physical devices, where the private keys are encrypted within the device itself, rather than being

generated remotely, providing an additional layer of security.

Enhanced Control With Physical Authorization

Most cold wallets require physical authorization for any transaction to be executed. This means that in order to transfer funds to another location, someone must have access to the physical device itself and know the specific PIN or other security measure set up by the user. This two-factor authentication process ensures that only authorized individuals can access and use the funds stored in the cold wallet, greatly reducing the risk of unauthorized transactions or theft.

Minimizing the Risk of Online Vulnerabilities

By keeping your crypto assets offline in a cold wallet, you significantly reduce the risk of falling victim to online vulnerabilities and exploits. Hot wallets, which are connected to the internet, are constantly exposed to potential threats such as phishing attacks, malware infections, and other cybercrimes. However, with a cold wallet, your funds are stored securely offline, away from these potential dangers.

Convenience and Portability

Despite their enhanced security features, cold wallets are also convenient and portable. Many cold wallet devices are designed to be small and lightweight, allowing you to easily carry them with you wherever you go. This portability ensures that you can access your crypto assets quickly and securely, even when you're on the move.

Remote Recovery Capability

A significant advantage of cold wallets is their remote recovery feature. In the event of a lost, damaged, or stolen wallet, users can leverage a backup passphrase, typically a string of 12 or 24 random words, to regain access. This allows the importation of private keys, enabling the retrieval of cryptocurrencies and their subsequent transfer to a new wallet. However, it's crucial to safeguard this passphrase, as losing it would result in permanent loss of funds.

Full Custody of Funds

Cold wallets pride themselves on offering users complete custody of their funds. This means that only the user has access to their private keys, providing an added layer of security against third-party interference. With full custody, investors can rest assured that their cryptocurrencies are safe and under their sole control.

Support for Diversification

Best Cold Wallets: Functionality & Operation

At the heart of cold wallets lies their offline nature. Unlike hot wallets, which are connected to the internet and vulnerable to potential hacks, cold wallets operate entirely offline. This fundamental difference is what sets them apart and makes them a preferred choice for long-term storage of cryptocurrencies.

One of the most significant security features of cold wallets is the need for additional authentication steps before any transaction can be initiated. Unlike hot wallets, where access can often be gained with a simple password or PIN, cold wallets require users to enter a PIN or pass through another

security measure before funds can be sent to another address. This added layer of security significantly reduces the risk of unauthorized access and theft.

The way cold wallets communicate with blockchain networks offline varies depending on the manufacturer. Some cold wallets utilize Bluetooth technology, allowing users to connect their devices to a dedicated application while remaining offline. Others opt for a more traditional USB cable connection, ensuring a secure and reliable [LINK](#) between the wallet and the blockchain.

One example of a cold wallet that utilizes QR codes is the Safepal S1. When initiating a transaction, the Safepal S1 displays a unique QR code. Users then need to scan this code using the Safepal S1 app on their smartphone or another compatible device. This process verifies the transaction details and ensures that the funds are sent to the correct address.

The key advantage of cold wallets lies in their ability to keep cryptocurrencies safe and away from hackers. By storing private keys offline, cold wallets eliminate the risk of these sensitive credentials being compromised online. This added layer of security makes them an ideal choice for storing large amounts of cryptocurrencies or for long-term investments.

However, it's important to note that cold wallets are non-custodial. This means that users have complete control over their private keys and are responsible for managing them securely. While this gives users more autonomy and flexibility, it also means that there is no central authority or custodian to help if the private keys are lost or misplaced.

To mitigate this risk, users should always take the necessary steps to secure their private keys. This includes writing them down on paper and storing them in a safe and secure location. Additionally, users should consider using multiple backups and storing them in different locations to further protect against any potential loss or damage.

Wallets vs Cold Wallets: Compare & Optimize

Discover the key differences between hot and cold wallets: their blockchain interaction, security features, and investor usage. Compare and choose the right wallet for your crypto needs.

Cryptocurrency Traders: Active & Thriving

Active cryptocurrency traders seeking efficient and speedy transactions rely heavily on hot wallets. These wallets enable real-time transactions without the need for a physical device, making them the ideal choice for those looking to actively buy and sell cryptocurrencies. By simply accessing the hot wallet app, software, or browser extension, traders can swiftly complete their transactions. For investors interested in the top crypto presales or DeFi products, hot wallets offer the advantage of purchasing coins faster than cold wallets, ensuring they don't miss out on lucrative opportunities. Hot wallets are the go-to solution for active traders seeking convenience, speed, and security in the crypto world.

Cryptocurrency Investors: Long-Term Strategies

Long-term cryptocurrency investors with extensive portfolios favor cold wallets for security. These wallets are less prone to hacks, ensuring the safety of your investments. Unlike active traders, long-term investors engage in fewer transactions, making cold wallets a practical choice. Simply transfer your coins to a secure cold wallet and patiently wait for the optimal selling price. Maximize your

crypto holdings with a trusted cold wallet solution.

Crypto Storage in Cold Wallets: Which Cryptos are Compatible?

Unlock the potential of your cryptocurrency investments by choosing the right cold wallet. The range of cryptos you can store varies with the wallet's manufacturer, from Bitcoin-exclusive to over 10,000+ cryptocurrencies. Compatibility extends beyond Bitcoin's blockchain, supporting ERC20 tokens and diverse networks like TRC20, TRON, and more. Enhance your crypto transactions by leveraging these wallets' ability to handle specific coins across various protocols. Safeguard your digital assets with a cold wallet tailored to your needs.

Crypto Storage Capacity in Cold Wallets Explained

Unlock the full potential of your crypto holdings with a cold wallet! While you can store an unlimited amount of tokens per unit, it's important to note that not all cryptocurrencies are supported. Bitcoins, for instance, can be safely stored indefinitely in a cold wallet. But when it comes to other tokens like Solana, popularity doesn't always guarantee compatibility. Ensure you check the supported networks before purchase and explore the option to manually add custom tokens. Maximize your crypto storage options and safeguard your digital assets with a comprehensive cold wallet solution.