

VOLTIX - CRYPTO VAULT

Hardware wallets are clunky

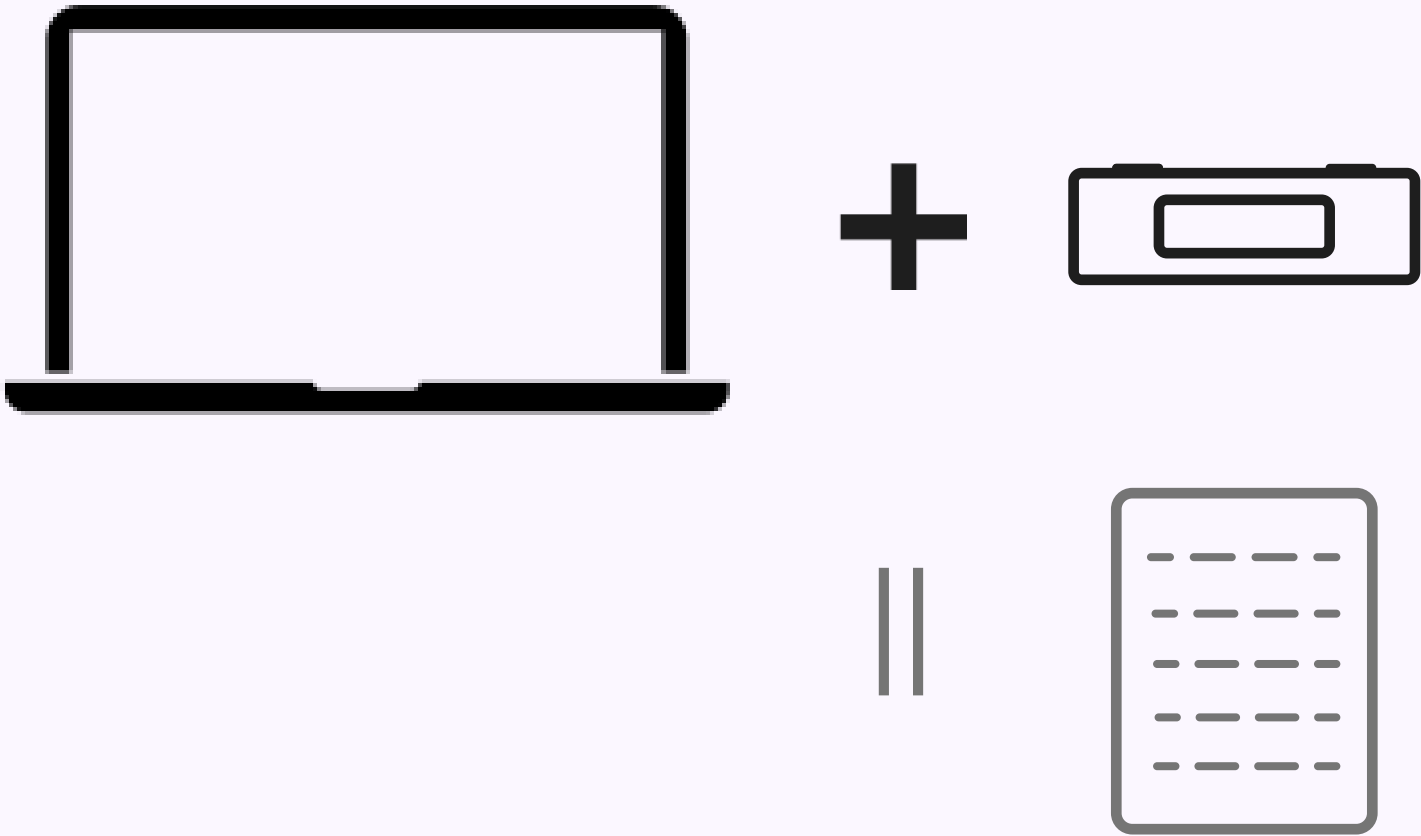
Small screens, small buttons, annoying interfaces. New users are frightened by setting up wallets, updating firmware or signing transactions.

Hardware wallets are honeypots

Traveling with hardware wallets is dangerous - they're obvious what they are. Attacks on hardware wallets are focussed. Some don't even have secure enclaves.

Hardware wallets are dangerous

Lose one key, lose it all. Multi-sig is the solution, but does not work natively on hardware wallets. Users are easily phished, or forget their recovery phrases. Different networks (ETH, BTC, SOL) have different multi-sig solutions, making a single UX impossible.



Use rich hardware

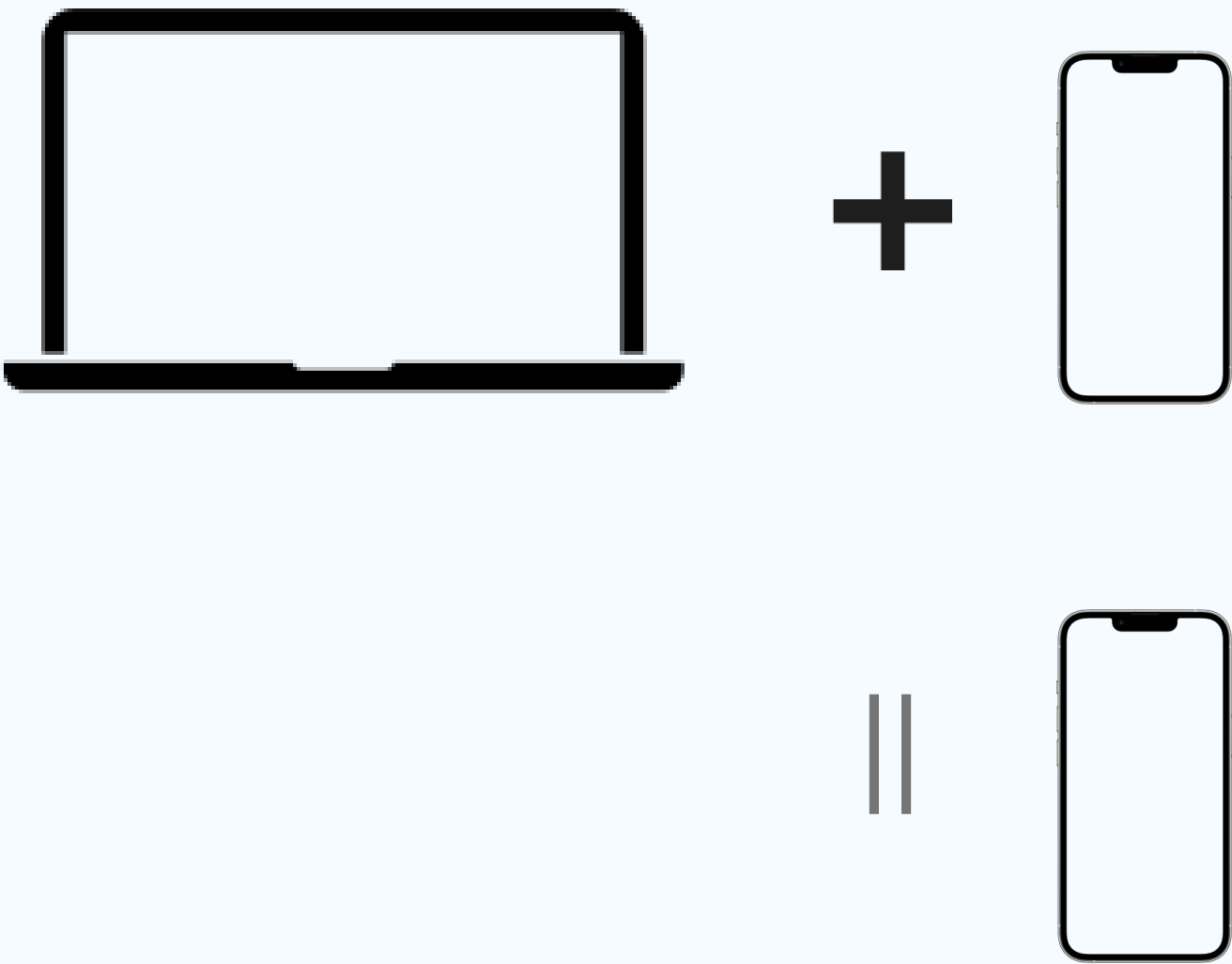
A modern computer or mobile has an elegant and easy to access user experience. It has secure enclaves, cameras, touchscreens and connectivity.

Use familiar hardware

All users know how to use modern devices and they are not honeypots on first glance.

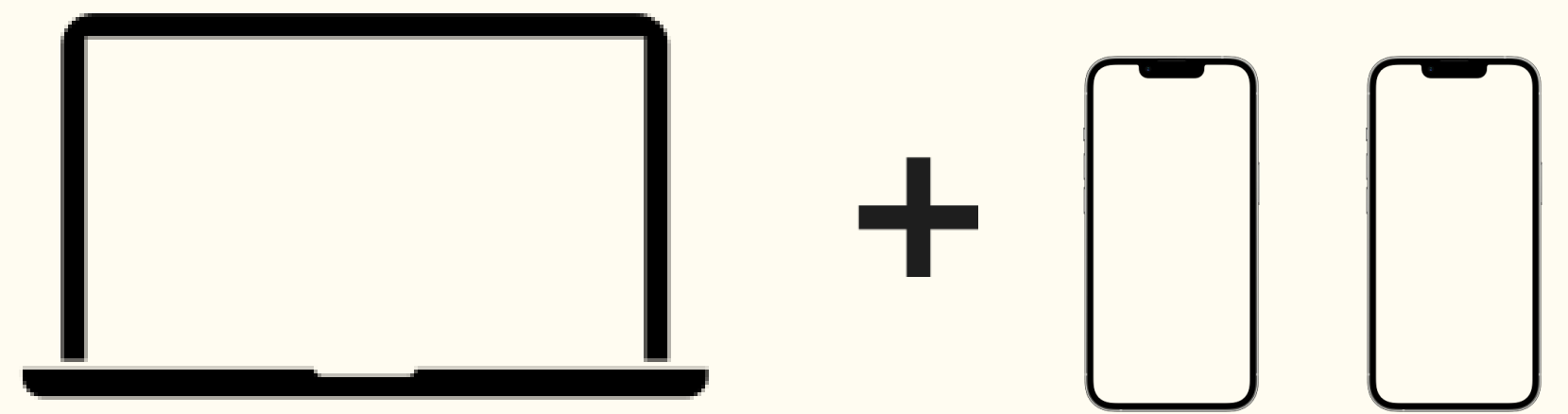
Use Threshold Signatures

With three devices, an extremely robust 2of3 threshold-signature scheme can be built, compatible natively to all crypto networks. One device is the coordination node, the other is the signer, one is the backup. No expensive multi-sig setups. No single key is vulnerable.



Set Up

Get 3 devices of any (desktop, laptop, mobile). 3rd device can be friend or partner's device. Download apps to each device. Save recovery phrases.

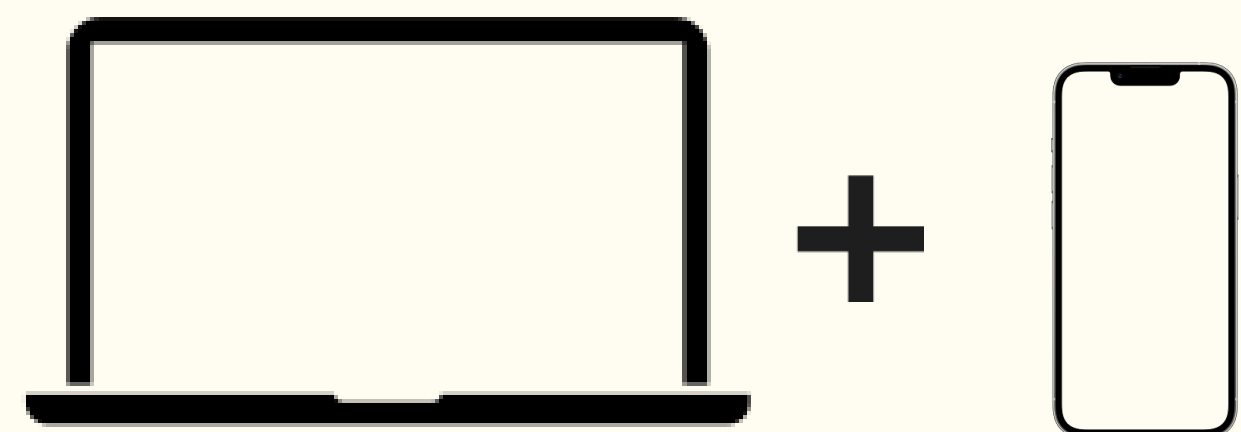


Vault Generation

One device is the coordination node, the other two complete key-gen using a local networking protocol. Key-gen can only be done in-person.

Transaction Signing

One device builds transaction data (send, swap, DeFi function call). A second device confirms the transaction on a local network. Must be done in-person. First device broadcasts.



Swap Fees

Being a multi-coin, multi-chain wallet; users will want to swap between. Affiliate fees can be charged on swaps. This is sustainable (see Metamask, Trust, Asgardex)

VOLTIX Recovery Service

VOLTIX can provide the third node in the 2of3 TSS vault for an annual fee. Large users who can't trust their own setup will choose this (see ZenGo, Unchained, Ledger for validation of this model).

VOLTIX Custody

Being a TSS Vault expert would enable providing custody solutions to institutions who require that (see Fireblocks, Anchorage, Bitgo for validation of this model).

