

Advanced crypto privacy technologies

Technology	Type	Benefit	Example
Paid VPN (Virtual private network)	Networking	Anonymous Internet use	Mullvad (because with Free VPNs, YOU'RE the product)
Hardware-based second factor authentication	Security	Prevents theft due to stolen passwords	Onlykey
Hardware wallets	Cryptocurrency	Ensures only you control your money	Trezor model T, Ledger Nano S Plus
Zero knowledge proofs	Advanced Cryptography	Perfect privacy and anonymity	Pirate Chain privacy cryptocurrency (While Bitcoin is secure, it is NOT private or anonymous)
Air gap	Networking	Prevents theft due to a network connection	Cold storage laptop (After OS install and update, Wifi card is removed, and it is never plugged into any network via a cable)
Cold storage laptop	Cryptocurrency	Ensures only you control your money	Generic, cheap 4GB laptop, removed Wifi card, glitter nail polish on case screws, running Linux, hosting sign-only Pirate Chain wallet
Atomic swaps	Cryptocurrency	Eliminates dependency on centralized exchanges like Coinbase	Qortal
Truly decentralized exchanges	Cryptocurrency	Avoids government regulations and control	Qortal
Multiple blockchains/ cryptocurrencies	Cryptocurrency	Combines security and wide-spread adoption with privacy and anonymity	Pirate Chain, Qortal, Bitcoin, Litecoin
Perfect forward	Networking	Advanced	Tor

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secrecy		anonymous Internet use	
Dark net hidden services	Networking	Anonymous blockchain network access	Tor Hidden Services
Self-hosted Lite wallets	Cryptocurrency	Connect hardware wallet directly to your own full node	Sparrow Wallet
Multiple full (pruned) self-hosted nodes	Cryptocurrency	Prevents linking of non-private crypto transactions	Pirate Chain, Qortal, Bitcoin Core, Litecoin Core

Privacy-preserving, SAFE trade paths:

A. Incoming path: Dirty Bank (\$USD) -> Dirty Coinbase (\$LTC) -> Dirty Hot wallet (\$LTC)
-> Dirty Qortal (\$LTC) -> Dirty Qortal (\$QORT) -> Dirty Qortal (\$ARRR)
-> Pirate Chain hot wallet (\$ARRR)

B. Outgoing hot path (To merchants only, NOT TO COINBASE): Pirate Chain hot wallet (\$ARRR)
-> Clean Qortal (\$ARRR) -> Clean Qortal (\$QORT) -> Clean Qortal (\$LTC)
-> Clean hot wallet (\$LTC) ----> Merchant (\$LTC)

C. HODL path: Pirate Chain hot wallet (\$ARRR) -> Pirate Chain cold wallet (\$ARRR)

D. Outgoing cold path (To merchants only, NOT TO COINBASE): Pirate Chain cold wallet (\$ARRR)
-> Clean Qortal (\$ARRR) -> Clean Qortal (\$QORT) -> Clean Qortal (\$LTC)
-> Clean hot wallet (\$LTC) ----> Merchant (\$LTC)

E. Cash out path: Do the reverse of "A", starting with either cold or hot Pirate Chain wallet (\$ARRR)