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BitMint HardWallet

Introducing New Technology

to Achieve

Sustained Offline Payment of Digital Money

The leading solutions that rely on tamper resistance hard wallets, are vulnerable to:

- (i) superior tampering, and (ii) counterfeit wallets.

The BitMint HardWallet, by contrast, is based on the innovative idea of quantum-randomized nanotechnology, utilizing public-ledger technology.

- ⇒ The BitMint HardWallet comes with built-in scalable resistance to tampering – so it stays one step ahead of its attackers.
- ⇒ The BitMint HardWallet scalability insures its defense against counterfeiting – through open-ended increased counterfeiting difficulty.
- ⇒ The BitMint HardWallet is a closed enclosure containing the money and the payment software. The secure software erases all money paid out; double spending is prevented.
- ⇒ The BitMint HardWallet is pre-charged and recharged by the Mint.
- ⇒ The BitMint HardWallet is paid from another BitMint HardWallet thereby creating a trusted off-line payment regimen for as long as the Internet is compromised.
- ⇒ The BitMint HardWallet exploits state of the art nanotechnology and recent development in quantum randomness.

□ BitMint's HardWallet is 3D printed, feeding on quantum-randomness, while each Hard Wallet is characterized by billions of physical embedded properties, a subset of them is kept in a public ledger, that is published by the Hard Wallet's manufacturer.

□ Users synchronize with a public ledger before the Internet shuts down and download it into their Hard Wallets. For population segments that are permanently excluded from Internet access, the ledger will be downloaded to their Hard Wallets in advance by the provider.

□ Values are stored locally in the Hard Wallet and transferred peer-to-peer without ever having to be online. BitMint's HardWallet will readily split offline the amount of cash it holds, making smaller payments as needed. Very convenient also for non-technology savvy users.

□ The HardWallet authentication and the payment are executed by a quick touch of payer's and payee's Hard Wallets, achieving payment finality.

□ Any tampering attempt will skew the results of the measurements and fail.



Off-line is defined as a lack of Internet connection and no access to electricity.

Off-line payments means that the payer and the recipient should be able to validate that the locally stored digital money are genuine and execute a transaction within seconds, making the payment final.