

Security Features Page	Security across the whole ecosystem: Trezor is all you need to use Bitcoin safely.
On-device confirmation	Protect yourself from malware attacks by confirming all actions using your wallet's on-board touchscreen or buttons.
Firmware verification	The bootloader always verifies the firmware signature. The firmware is only run if correctly signed by SatoshiLabs. Otherwise, a warning is shown.
Isolated design	Trezor keeps your private keys safely isolated from online attacks.
PIN-protected	Unique design scrambles your keypad layout to prevent onlookers or malware from discovering your PIN.
Secure update	The bootloader erases the device memory if the firmware signature is invalid. Downgrading to a vulnerable firmware version also wipes the memory.
Passphrase support	Trezor supports BIP39 passphrases , which are never stored or remembered on the device. These provide protection against physical hardware attacks.



**Reliable backup
& recovery**

Your recovery seed protects you against theft, loss or destruction of your device. Simply restore the recovery seed, and your wallet is back.

**Advanced
distributed
backup**

Use Shamir backup, developed by SatoshiLabs, to split your recovery seed into multiple shares that must be combined to access the device.

**State-of-the
-art encryption**

Trezor devices use the latest encryption standards and technologies, rigorously tested and scrutinized by a global team of security experts and researchers, achieving greater protection thanks to our open-source ethos.

