

EtherTrust Crypto Terminal

“Bringing Bankcard Security to Blockchain”



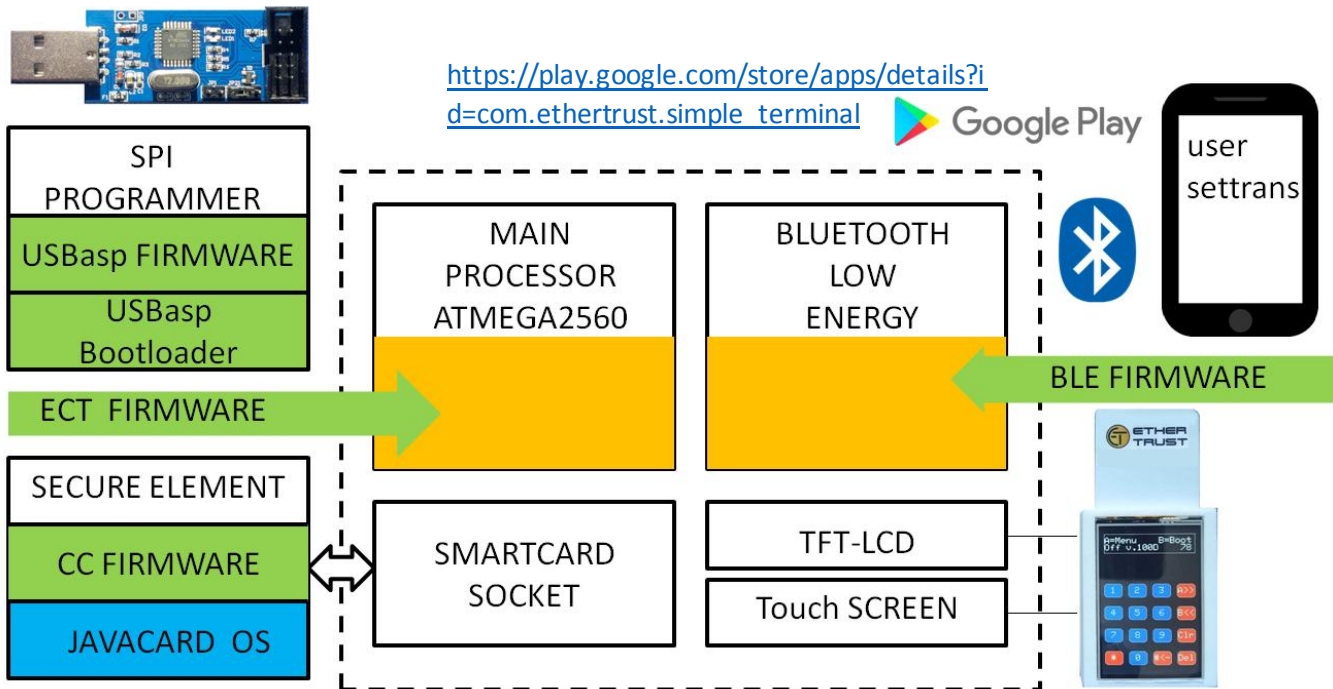
***EtherTrust Crypto Terminal (ECTv2)** addresses in the most comprehensive manner the security concerns associated with crypto currency and blockchain transactions in general, specifically private key theft and compromised terminals and transactions, as evidenced by recent hacks of current market leading solutions.*

http://ethertrust.com/wp-content/uploads/2020/07/spec_terminal_crypto_1_0.pdf

Key Benefits:

ECT provides blockchain application users with the **best transaction security available** on the market

- Prevents key theft: Users **private keys** are stored on an industry certified smart card and **kept off-line at all times**
- Transaction integrity: **Cryptographic signing of transactions is done offline** (or on-line as a less secure option)
- Terminal Integrity: Terminal **firmware can be fully and securely "flashed" prior each transaction**. Terminal firmware is checked by a remote attestation procedure.
- Firmware integrity: The **bootloader** that **executes the "flash"** is **checked for integrity** prior the "flashing"
- Interoperability: compatible with **Windows, Linux, Android and IOS** for network interactions pre and post transaction signature. Supports most leading public blockchain implementations.
- Open technology: commodity **"bare metal"** hardware and firmware



Ethertrust Crypto Terminal Features and functions

- Mobile EMV payment terminal form factor and general functionality (fits in the hand)
- Smart card reader, PIN, touch screen, LCD
- Serial USB, Bluetooth Low Energy, SPI interfaces
- Imbedded main and communication processors
- Removable EAL5+ certified smart card.
- Over 50 commands for terminal and smartcard (ISO7816) management

How does ECT work?

Prior to signing transactions, user generates, computes (BIP32) or imports onto the smart card his private keys using ECT, then removes smartcard

User sets up blockchain transaction on networked PC or smart phone using Ethertrust App

User connects networked device and ECT with USB cable or BLE, and transfers to ECT transaction

User disconnects ECT from networked device, inserts smart card into disconnected ECT enters PIN to sign transaction, removes the smart card from ECT

User reconnects ECT to networked device and executes the transaction using the Ethertrust App

Anticipated MSRP under \$150/150€

About EtherTrust

EtherTrust markets software for secure elements and designs innovative solutions that strengthen the security of Cloud applications. In 2009 it was awarded by the 11th national contest for the support of innovative start-ups organized by the French ministry of research and universities. 19 Avenue d'Italie, 75013 Paris, France www.ethertrust.com