IDWallet™ Biometric Cryptocurrency Platform

Biometric identification and authentication is a stable field of science, dealing with the determination or verification of individual identity using physiological characteristics.

Biometric characteristics, unlike codes or passwords, cannot be lost, forgotten or transferred and are always in possession of the individual.

The ideal biometric identification technology should be highly accurate, non-invasive, simple to implement, and resistant to spoofing. Identita has developed its revolutionary IDTouch™ technology to answer the need for a cost-effective, user-friendly biometrics system that provides maximum reliability and confidence.

Identita's IDTouch™ technology is based on the ECG characteristics of the living body. These signals are naturally emitted by different systems of the human body (such as the heart and the nervous system) and share numerous common characteristic features.

Identita's breakthrough method, tested on numerous subjects, has been statistically proven to show superior results over existing biometrics technologies and products. Based on these results, Identita is developing cost-effective biometrics authentication products for mass market consumer applications and homeland security uses.

What's Inside!

- IDPuck™ Secure Wallet
- Up to 16 Cryptocurrencies with individual private key!
- ECG-Based Biometrics
- 100% LIVENESS detection
- ARM A5 @ 533MHz
- ARM® TrustZone®, secure boot + storage + RAM
- Bluetooth 4.0/BLE Dual Mode
- 4GB ECC NAND FLASH
- 256bit Hardware AES
- Hardware ECC 192/384bit Crypto & Key Storage management
- Highspeed USB 2.0 HS full device emulation
- Full TCP/IP connection to/from USB via CDC Ethernet emulation
- Complete bare-metal firmware stack with encrypted drive/directory management with secure encrypted API access to the keys/storage on Windows/MAC/Linux
- Run any Blockchain application with zero footprint deployment
- Bitcoin, Litecoin, Bitcoin Cash, Bitcoin Gold, Zcash, DASH, Ethereum, Ethereum Classic, ERC-20, Monero(TBD) and Saratoga
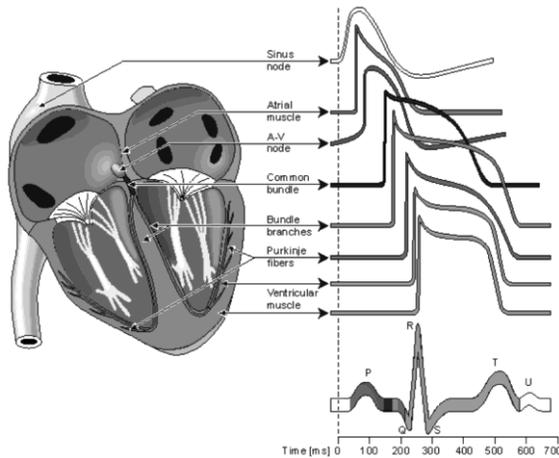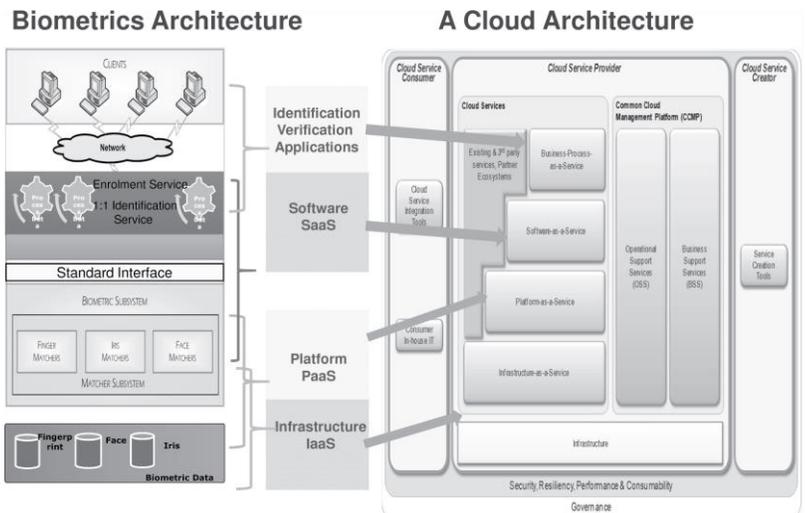- 800mAh rechargeable battery

Figure 1: Waveforms of certain cells found in the heart.

Technical Requirements

Size:
- 7 x 7 x 1 mm.

Crypto-processor:
- ARM 733MHZ
- 32MB DDR4
- Full 256bit Hardware AES
- ARM® TrustZone®, secure boot + storage + RAM
- 2GB-128GB ECC NAND FLASH
- ECC 192/384bit Hardware crypto & key storage management

Algorithms:

- SHA-256
- AES 256
- ECC 192 (Custom Curves Supported)

Power/Battery Life:
- 3-5 years based on usage (replaceable)
- USB powered

Options:
- ECG
- Fingerprint
- 3D Facial
- Bluetooth
- Encrypted Nand Storage

Applications:
- Cryptocurrency Hot/Cold Wallet
- Identification
- Time & Attendance
- Border Security
- Access Control
- Vehicle Access Control

Certifications:
- UL/FCC/CSA,CE

About our Technology

Identita provides unbreakable, turn-key identity authentication solutions to organizations requiring absolute customer identification.

Security, and in particular identity verification, is the foundation of virtually all personal transactions, from phone banking to Government service delivery. The inability to provide absolutely secure, irrefutable identification of individuals costs financial institutions billions of dollars annually, prevents innovative development of enterprise VOIP applications, and undermines the consumer confidence necessary for the widespread adoption of electronic commerce.

Identita's solutions are not only extremely secure, but are also the most highly cost-effective identity authentication systems available – typically half the cost of other solutions and offering a much higher level of security. Identita's solutions can be deployed rapidly across existing infrastructure and integrate seamlessly with existing security frameworks and protocols.

Identita's comprehensive Identity Management Platform enables your organization to easily deploy and manage secure identities and reliably maintain consistent identity data across your company to control access—and to control how access is used. Safely extend access to sensitive corporate resources to employees, partners, suppliers, and customers. Manage who or what application has access to what parts of your business. Achieve more effective corporate governance, and provable legislative and regulatory compliance.

About Identita Inc.

Identita is a boutique security firm specializing in access control solutions. We offer a complete credential management solution including both hardware tokens and client server application software. The company's research and development has culminated in the creation of breakthrough next-generation powered smart cards in a credit card format. Identita currently manufactures an audio smart card and a display card (OTP) in this credit card format. We have released a biometric card which is the first and only card of its kind to identify the user via ECG signals unique to the registered cardholder. We have also released a Mobile OTP solution. Building on our expertise in embedding electronics into small formats, including authentication and secure communications, Identita has also developed custom products for clients around the world. The company's solutions can be used for corporate security, E-commerce, education, government, healthcare, banking, finance, gaming, and mobile industries to name some. Browse our web site and then contact us to discuss your requirements.

Identita Inc.
1-207 Edgeley Blvd
Vaughan, ON, L4K 4B5

http://www.identita.com