

about identita

Identita provides unbreakable, turnkey 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 applications, and undermines the consumer confidence necessary for the widespread adoption of electronic commerce.



Identita
sound identity solutions.

Identita

idprox network and building access control

Toronto • San Francisco • Barbados • Dubai • Seoul

www.identita.com

idprox network and building access control

smart building management

Manage and monitor building access and area physical security using Identita's IDPROX Enterprise Network and Building Access Control solution. IDPROX provides enterprise-class, two-factor plus identity management. Integrating building access with network data security, IDPROX delivers single-system identity management for both physical and logical security using an advanced powered smart card-based technology using patented one-time password (OTP) technology.

unified network access control

Establish a single consolidated repository for all authentication credentials, managed with centralized control of access privileges for both physical and logical resources. Create, modify, and delete user identities for flexible and scalable access control, from enabling individual tenants in multi-tenant buildings to manage and monitor their own security, to large-scale nationwide systems for managing and monitoring sites through geographic partitioning. Ultra-secure, IDPROX creates a unified network access control policy for centrally managing and monitoring all physical access location and status information and all data network and remote access within an organization.

idprox - under the hood

Identita's IDPROX Enterprise Network and Building Access Control solution supports full database partitioning. Partitions enable a large system to be divided into smaller entities, with each entity (for example, multi-tenant buildings) managing its own security needs. IDPROX consists of three modules:

- Server Module—acts as a gateway to the IDPROX security database, and links together all the IDPROX modules
- Polling Station - monitors all security events and alarms, and manages communications, configuration settings, and physical control of the door controllers and locks
- User WorkStation (UWS) GUI - provides a point-and-click software environment for users to navigate the system

With IDPROX, unlimited partitions can be created in ten levels. System operators can be assigned specific partitions, allowing monitoring and control capability options (no view/view only/ alarm acknowledge only/full control) for a defined space, or part of the system (example: a defined set of doors). This prevents unauthorized access by operators to parts or aspects of the system not relevant to their job.



ultra-secure two-factor user authentication

Identita's EchoSystem-based IDPROX access management system also enables worry-free network logins with a credit card-sized powered smart card using patented one-time password (OTP) technology. Unlike static passwords that can be easily hacked, Identita's powered smart card generates a different unique password for each login session using a digital PIN code or a digital audio tone instead of a conventional username-and-password combination. The digital PIN code displayed on the card's digital readout is activated with a pressure-sensitive button on the card, and is keyboard-entered by the user for secure two-factor authentication.

dynamic acoustic user recognition

Identita's IDPROX powered card includes adaptive two-factor user authentication with onboard dynamic acoustic recognition technology. Each time a user presses the card button, the card emits a unique acoustic user signature to enable authentication with a microphone-equipped computing device or through a telephone. Depending on the application, IDPROX automatically records and compresses the digital audio signal containing the binary sequence and relays the signal to the authentication server. The authentication server demodulates the signal to extract and check the user's PIN/passphrase, then grants appropriate access to the application.

idprox software features

A central database on the server able to support up to 1 million cards	Login and authority rights to the software can be set for each user
Unlimited number of card profiles	Back end Database: SQL Server 2000
Unlimited number of operators	Front end: GUI based user-friendly interface based on client server technology for Windows 2000/XP environment
Central on-line data storage of historical transactions, expandable as system resources allow	Third party interface : ASCII flat files with coma-separated values as per requirement
Each card can be tracked separately	Architecture: 3 Tier (User, Business & Data services) to ensure scalability
Multiple issue levels per card, only one of which shall be active at any given time	Configuration: Full set-up & programming of all door controller functions
Door Open Too Long / Door Left Open alarm	Card Database: Stores photo image of cardholder along with other relevant data
Door open time uniquely definable for each door	Card profiles: Unlimited with respect to single cards or batch of cards.
Detailed data entry fields in card master	Archival: Daily automatic archival based on defined time
Backup and restoration facilities for master and transaction data	Roll call: Provides list of card holders in the premises. Also allows locating a user based on last transaction sound identity solutions

about our technology

With research and development facilities in Canada and its international offices in Barbados, Identita creates identity management solutions involving hardware tokens and client server application software. Identita's EchoSystem platform is a multi-token aware identity management back-end with a complete suite of application modules to meet the requirements of virtually all verticals.

Identita has developed unique proprietary handshake protocols to counter phishing, using Public Key Infrastructure (PKI) and digital certificates. Identita currently manufactures an acoustic one-time password (OTP) powered card, an OTP display card (embedded, flexible display on the front of the powered card), and will soon release biometric and GPS cards. Identita's solution goes beyond traditional powered card implementation. Its credit card-sized format enables the inclusion of other technologies such as magnetic stripe, proximity chips, EMV chips, bar code, RFID and picture ID.

Identita licences RAMP (Reaction Assisted Moulded Process) Technology, an exclusive manufacturing process. This versatile electronics packaging technology uses patented low-temperature, low-pressure reaction injection moulding techniques to securely integrate electronics into small form factors such as powered cards, smart tags, key fobs, memory cards and other portable electronic devices. RAMP technology can be used with PVC, Polycarbonate, Teslin™ (i.e. synthetic paper), and a range of other materials for specific properties and applications.

Identita's powered card technology, combined with the RAMP manufacturing process, represents the future in powered card technology. This affordable, high-end security solution delivers secure end-user devices that are easy to carry and use and backed up by the EchoSystem platform – a platform that delivers all the strengths of typically expensive authentication and identity management systems through a single management console. Strong encryption, x.509 certificates, directory support and multi-customer management make EchoSystem the next generation product of choice.

technical requirements

Size:	ISO 0.8 mm x 54 mm x 84 mm
Crypto-processor:	16 Bits 8K EPROM Tamper-proof Polycarbonate, PVC or Teslin Surface
Algorithms:	SHA-1 Time for Signature Capture and Demodulation <1s
Acoustic encoding:	PC & Telephone Signal Under 8000 Hz Playing Time: Approximately 1 Second
Durability:	3-5 years, based on usage
Options:	Magnetic Strip External ISO chip Proximity Chips (Mifare, HID, etc.) Photo ID Bar-coding
Applications:	Outlook 2000 and Above Outlook WebAccess Lotus Notes GroupWise
Certifications:	ISO 7816 Compliant Tested Eclipse Labs Manufacturing facilities are VISA/MasterCard secured facilities OATH Member