

## 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

idremote securing all your endpoints

Toronto • San Francisco • Barbados • Dubai • Seoul

[www.identita.com](http://www.identita.com)

# idremote secure VPN and NAC endpoint integrity

## call center automation

Today's VPNs provide a secure and reliable communications pipe to accommodate the needs of offsite employees and remote offices. However, most VPNs fall short of authenticating the identity of those remote users. Dynamically generating a unique one-time password (OTP) using acoustic tones or OTP powered display cards enables IDREMOTE to augment the traditional authentication mechanisms of remote access users. IDREMOTE also secures all routers and access points on wireless networks ensuring no access by unauthorized devices that are within range, regardless of whether employees have temporarily shared login information.

IDREMOTE combines dynamic acoustic or display recognition technology with a credit card-sized internally powered card that emits a different generated sound each time the user activates a pressure-sensitive button on the card. Combining this unique acoustic user signature along with a keypad-entered PIN code known only to the user, Identita's IDREMOTE acoustic powered card achieves positive identification with adaptive two-factor authentication through a telephone or microphone-equipped computing device. In contrast to conventional single-purpose security tokens, IDREMOTE users need only remember *one* passphrase to generate authorization details for accessing multiple accounts with different logins.

## corporate emergency and disaster planning

Identita's IDREMOTE can also play a key role in corporate emergency preparedness and disaster management plans, particularly with securing strategic communication links and disseminating information among employees. Programs like the Corporate Emergency Access System (CEAS) are partnering municipal and corporate resources and promoting simple and secure private access control systems to authenticate critical public-sector employees and private-sector second responders for rapid re-establishment of communications and facilities access. IDREMOTE offers inherent low per-unit cost advantages for rapid and widespread emergency deployments.

The wallet-friendly credit-card form factor promotes user acceptance and encourages users to keep it with them at all times. IDREMOTE's easy programmability and dynamic acoustic recognition through telephones with adaptive two-factor user authentication are extensible to three-factor authentication with the addition of built-in biometric sensors or a magnetic strip for building access. Enabling secure identity management for communications and physical access in a single device, Identita's IDREMOTE offers both cost-effective reliability for daily business use and the flexible functionality needed during emergencies.

IDREMOTE delivers the most cost-effective identity management solution regardless of installed infrastructure, providing two-factor user authentication for virtually all major VPN and terminal services providers including Cisco VPN, Checkpoint VPN, Nortel VPN, Citrix Metarame, ZEN solutions Windows Terminal Services Remote Desktop, and many others. The high per-unit cost of conventional token-based authentication devices serving VPNs and remote terminal services limits their use to smaller deployments and single-purpose functionality.

In contrast IDREMOTE costs a mere fraction of token-based devices, and delivers multi-purpose functionality. IDREMOTE's powered card form factor and low-cost manufacturing process enables the only genuine two-factor identity management device ensuring a uniform and company-wide level of security for remote access that is economically viable for deployments of any size—large or small.

## 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 specifications

### Card Format:

ISO 7810 (0.8 mm x 54 mm x 84 mm)

ISO 7810 Tested & Certified

### Card Specifications:

8/16/32 Bit Crypto-processor

Low Power Consumption

Tamper-proof

Polycarbonate, PVC or Teslin Surface

### Algorithms:

SHA-256

AES 256/512

### Powered Card Types:

Display Card

Audio Card

### Durability:

3-5 years, based on usage

### Personalization Options:

Magnetic Strip

EMV Chip

Contactless Interface (LF, HF, UHF)

Photo ID

Bar-coding

Serial Numbering

Embossing

Foils and Laminates

### Supported Applications:

Checkpoint Secure Remote/Secure Client

Cisco VPN

Nortel VPN

Juniper VPN

Citrix and Windows Terminal Services

### Supported Platforms:

Windows 2000/XP™

MAC OS/X™

Solaris 10

Linux