

# Protiva™

Protecting your network identities



FINANCIAL SERVICES & RETAIL

ENTERPRISE > PRODUCT

INTERNET CONTENT PROVIDERS

PUBLIC SECTOR

TELECOMMUNICATIONS

TRANSPORT



**gemalto**  
security to be free

# Protiva™

## IIIIII A Flexible Authentication Platform

### ■ Static Passwords Are Not Enough

Implementing a strong user authentication system is a necessity today for most organizations, regardless of size. In the future, other methods of user identity protection, including document encryption, digital signatures and mutual authentication, will frequently be used with strong authentication to provide more advanced protection for network users. Based on the growing need for personal digital security, organizations need to take a forward thinking approach that offers the ability to scale and upgrade as their needs expand.

When microprocessor-based smart cards are used for strong authentication, they offer several advantages, including data storage capacity, processing power, portability and ease-of-use. Smart card-based solutions are inherently more secure than other types of security tokens because they can be used to create a unique, non-reusable password for each authentication event, store personal data, and they do not transmit personal or private data over the network. When used for PKI applications, the smart card device provides core PKI services, including encryption, digital signature and private key generation and storage.

### ■ Protiva Strong Authentication Platform

Protiva is a strong authentication platform that was developed to incorporate the strengths of Gemalto's smart card technology. It consists of a family of smart card-based user authentication devices, a browser plug-in, an authentication and customer care server and a self-service user care portal. Protiva runs under Windows and Linux operating systems and is easily integrated with existing network and authentication infrastructure.



**Gemalto's flexible and strong multi-factor authentication solution integrates onetime password algorithms with the inherent security of smart cards for a state-of-the-art answer to the question of trust.**

Protiva offers a family of network access devices for end-users that are portable, convenient and easy to operate. They protect against key logging, shoulder surfing and password crack-

ing, and also help guard against phishing attacks when connected to the network.

Organizations can deploy Protiva for secure user authentication and then evolve to more comprehensive identity protection and network security solutions without being forced to abandon infrastructure investments or change end-user devices. The Protiva platform can be used for one-time password applications and then expanded to support mutual authentication, PKI, and the smart card-based security features in Microsoft's Windows and .NET platforms. The use of open standards and industry-standard protocols enables hardware optimization, and also helps reduce the total cost of ownership.

Protiva uniquely meets the need for enhanced network security and online identity protection with a platform that delivers strong authentication using one-time passwords and the flexibility to implement more advanced user protection services as network security needs expand. Using existing network infrastructure, industry-standard protocols and algorithms, and the same devices and administrative tools, only Protiva addresses the limitations of static passwords now with built-in features to provide more comprehensive digital security solutions in the future.

