

Smart Card and Reader

Foolproof Identification

Logging onto your system is as easy as inserting the CRYPTOCARD into a CRYPTOCARD Smart Card Reader. Remove the card and remove access to your PC.

CRYPTOCARD alleviates the security fears of carrying a laptop by supplying the CRYPTOCARD Smart Card.

The CRYPTOCARD Smart Card is easy to use and fits as easily into your wallet as a credit card. It travels with the user and identifies each user individually, every time they log on.

The CRYPTOCARD Smart Card verifies the user's identity and grants them specific access rights and privileges.

The CRYPTOCARD Smart Card token resides on the Smart Card and is revocable at any time without recovery, making them ideal for large user populations and external consultants needing temporary network access. CRYPTOCARD tokens authenticate users who need access to protected networks and systems.

How Does it Work?

The CRYPTOCARD Smart Card allows the user to be 'recognized' as 'authorized personnel' when connecting to a secure network. Simply insert the card into the CRYPTOCARD Reader and enter the PIN (Personal Identification Number) into the login dialog box on your PC.

Token initialization binds the token to the user via the CRYPTOAdmin Server. After this programming process is complete, the user is ready to go.

A numeric or alphanumeric PIN known only to the authorized user protects the Smart Card against unauthorized use and is entered by



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the user at startup. Exceeding a maximum number of incorrect PIN entries renders the token inoperable.

CRYPTOCARD's CRYPTOAdmin Server generates a unique and unpredictable one-time challenge, requiring a quantified response that can only be generated by a specific user's token. That response is only valid for the current log-on attempt, and immediately discarded after one use, making it useless to hackers.

The token residing on the Smart Card can be used to authenticate the user to a secure server. A token is simply the device through which your Smart Card and the secure server 'talk' to each other.

Third party authentication is enabled by inserting the card into a CRYPTOCARD Smart Card Reader and entering a personal PIN number into the Smart Card Manager. The user will then receive a randomly generated

one-time password. The secure server recognizes this password and the user is then authorized to log on. Each Smart Card can store a certificate that can be used to logon to Windows 2000 using Microsoft CA and/or used to access secure web sites from Windows 95/98/ME/NT4/2000.

Each token and certificate stored on the card will have its own unique PIN. If using a Certificate, the card itself requires a PIN to protect the secret keys stored on it.

The token is programmed with the CRYPTOCARD management server, which works in tandem with CRYPTOCARD's CRYPTOAdmin Application – a Management system for distributed Administration.

For convenience, software tokens can be issued locally or remotely, depending on the organization's security policy.



More Secure...
More Cost Effective

Smart Card and Reader

CRYPTOLogon

CRYPTOLogon is a program that allows you to secure your PC by preventing others from accessing it. When CRYPTOLogon is configured for your PC, you insert the Smart Card into the reader to gain access to the computer. A logon dialog box will appear. Simply enter your PIN into the dialog box. You will then be granted access to your PC. When you remove the card from the reader, you remove all access to your Computer.

The CRYPTOLogon for Windows 2000 Application, used in conjunction with a CRYPTOCard token, is a subsystem that replaces the Windows GINA DLL, which supervises the logon process. CRYPTOLogon implements CRYPTOCard security during Windows 2000 logon. When installed, the CRYPTOCard GINA replaces

Microsoft's logon dialog boxes with a CRYPTOCard logon that communicates with a RADIUS server to authenticate the user.

Benefits of the CRYPTOCard

Economics, convenience, and security

- Allows you to store a CRYPTOCard Token, which positively identifies the **user** attempting to access the network.
- CRYPTOCard Tokens prevent somebody from illegally accessing your network through the use of a guessed or stolen password.
- Allows you to store a certificate that can be used to logon to Windows 2000 using Microsoft CA and/or used to access Secure web sites from Windows 95/98/ME/NT4/2000.

- Allows you to lock your PC by removing the CRYPTOCard from the Reader. No Smart Card – no access.
- CRYPTOAdmin allows you to personalize each token with options including:
 - PIN-enabled with User Changeable alphanumeric PIN
 - QuickLog mode allows secure access with fewer steps
- CRYPTOCard Tokens are quickly accepted by users of all skill levels.
- CRYPTOCard Tokens greatly reduce the need for passwords.
- CRYPTOCard Tokens are economical, and work in tandem with CRYPTOAdmin.
- The CRYPTOCard may be labeled with your corporate logo or pertinent info such as helpdesk numbers, etc.

What the critics are saying...

CRYPTOCARD Corp. has been recognized by Frost & Sullivan as the leader in market penetration for demonstrating excellence in capturing market share within their industry. CRYPTOCARD Corp. has demonstrated strategic excellence in product innovation, and marketing and sales strategies that have resulted in the largest gain in market share over the past 2 to 3 years.

–Security Products Magazine



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* The CRYPTOCARD USB Smart Card Reader, which functions on the Windows 2000 O/S, is PC/SC, FCC, & CE Compliant and EMV Certified.