

Software Tokens

Avoid Risks

CRYPTOCARD software tokens provide a foolproof identification method that travels with the user. CRYPTOCARD tokens verify and identify each user individually every time they log on. CRYPTOCARD tokens are ideal for large user populations & external consultants needing temporary network access. CRYPTOCARD ST-1 tokens have all the deployment advantages of software – they reside within each computer and are revocable any time without recovery. The CRYPTOCARD SC-1 token resides on a CRYPTOCARD Smart Card, and the PT-1 resides on a Palm Organizer. CRYPTOCARD tokens authenticate users who need access to protect networks and systems. These tokens authenticate people using certificates in a PKI environment as well as people using VPN's.



SC-1 CRYPTOCARD

How Do They Work?

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

A numeric or alphanumeric PIN (Personal Identification Number), known only to the authorized user, protects all software tokens against unauthorized use and is entered by your 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, one that requires 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 any would-be hacker.

The token is programmed with the CRYPTOCARD management server, which works in tandem with CRYPTOCARD's

CRYPTOAdmin Application – a centralized management system for distributed Administration. For convenience, software tokens can be issued locally or remotely, depending on your organization's security policy.

Ease of Use

Software tokens can be installed on a wide range of platforms, including Linux, Unix, Solaris, Windows 2000/NT/ME/98/95 and the Mac OS 9. You can also install them on ANY platform supporting the Java Run Time Environment 1.1.7+ from Sun Microsystems.

Value - Install Direct From Leading Products

CRYPTOAdmin manages your CRYPTOCARD tokens – think of it as the hub of the wheel. It is included with industry leading products such as Sun/Netscape's iPlanet Portal, Cisco Secure ACS and Red Hat Linux. The cost of using the CRYPTOCARD Strong User

Authentication System becomes simply a question of how many tokens you need to support your user population.

CRYPTOCARD ST-1 -100% Pure Java

CRYPTOCARD's ST-1 pure Java software token is the solution to providing a common installation and user interface across a wide range of platforms, operating systems and environments. It can be electronically deployed as a stand-alone application, combined with other system updates.

The ST-1 runs on the Max OS 9/X.



ST-1 Software Token

Software Tokens

CRYPTOCARD PT-1

Designed specifically for Palm Organizers, the PT-1 is uniquely bound to each authorized user. It incorporates all of the security features of the other CRYPTOCARD software tokens, and includes alphanumeric PIN protection and QuickLog mode.



PT-1 Palm Software Token

CRYPTOCARD SC-1

CRYPTOCARD's SC-1 Smart Card provides two-factor strong authentication right on the card. The CRYPTOCARD is the safest place to store Digital Certificates from leading Certificate Authorities, or a CRYPTOCARD Token, allowing access to many different systems with a single CRYPTOCARD.

Logging onto your system is as easy as inserting the CRYPTOCARD into a Smart Card reader. Remove the card and remove access to your PC. Everything you need is on one credit-card sized device that conveniently fits into your purse or wallet.



SC-1 CRYPTOCARD & Reader

Benefits of CRYPTOCARD Tokens

Economics, convenience and security

- CRYPTOCARD Tokens positively identify the **user** attempting to access the network or resources – a non-repudiation security policy.
- CRYPTOCARD Tokens prevent somebody from illegally accessing your network through the use of a guessed or stolen password.
- CRYPTOAdmin allows you to personalize each token with options including:
 - PIN-enabled with User Changeable alpha-numeric 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.
- CRYPTOCARD Tokens work in tandem with CRYPTOAdmin.
- Easy and economical, CRYPTOCARD Tokens are completely reprogrammable.
- CRYPTOCARD Tokens may be labeled with your corporate logo or pertinent info such as helpdesk numbers, etc.

What the critics are saying...

"This system lends itself to managing a large number of users and tokens in a multi-platform environment that demands flexibility... Couple these points with open-development support and you have a competitive solution in the strong user authentication market. CRYPTOCARD is a solid choice!"

- *Network Computing*, by Timothy M. O'Shea



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