

# SC-1 Smart Card Token

The SC-1 Smart Card token is a highly configurable software implementation of the RB-1 PIN-Pad token installed on a 64k Java smart card. It is the ideal multi-function authenticator for users that want the advantages of hardware tokens and the convenience and integration of software tokens



## From Door To Desktop

The SC-1 Smart Card Token allows users to enjoy the additional security options of photo ID and proximity door access. Other features include the generation of digital signatures for electronic Web-based transactions, smart card branding and auto-locking of the workstation or log off on token removal.

## Maximum Flexibility

The SC-1 is easily customized allowing each organization to achieve the optimum balance between ease-of-use and security policy. Security parameters such as PIN type, PIN length, number of PIN attempts, cryptographic algorithm, encryption keys, and password complexity are all programmable.

The SC-1 can be easily integrated with a range of VPN clients, Web browsers and domain/system logons using CRYPTOCard plug-ins and agents.

CRYPTOCard offers a PCMCIA SC-1 and USB SC-1 Smart Card token reader/writer. SC-1 Smart Card tokens also interoperate with third-party ISO 7816-compliant reader/writers.

## Tamper Proof

The SC-1 incorporates state-of-the-art anti-tampering technologies including EEPROM flash programming, memory security firewalls and clock management, and voltage and clock frequency sensors.

## Supported Platforms

- Windows 2000/2003/XP
- Red Hat Enterprise Linux
- Novell SUSE Enterprise Linux
- Mac OS X Tiger

## Authentication Modes

- Event synchronous
- Challenge/Response

## Encryption Algorithms

- DES
- 3DES
- AES 128-bit
- AES 192-bit
- AES 256-bit

## Features & Benefits

- Integrated easily into a wide range of VPN Clients, Web Browsers, and Domain/System Logons
- Auto-lock workstation on Smart Card removal
- Supported Platforms are Windows 2000/2003/XP, Red Hat Enterprise Linux, Novell SUSE Enterprise Linux and Mac OS X Tiger
- FIPS 140-2 level 3 Compliant

## Passcode Complexity

- 5, 6, 7, or 8 characters
- Numeric (0-9)
- Hexadecimal (0-9, A-F)
- Base 32 (0-9, Aa-Zz)
- Base 64 (0-9, Aa-Zz, Shift+ 0-9)

## PIN Management

- Token-based PIN
- Server-side PIN
- PIN complexity (numeric, alphanumeric, strong alphanumeric)
- Configurable minimum PIN length
- Disallow trivial PINs (1234, 1111, ABCD)
- Maximum number of consecutive incorrect PIN attempts

## Key Management

- Seed keys do not need to be shared with the manufacturer
- Initialization process eliminates need to deliver tokens with keys stored on disk or in e-mail
- Seed keys can be changed at any time
- Key is randomized with each initialization

## Dimensions for SC-1 Token

- Credit Card Size

## Weight

- Credit Card Weight

## Warranty

- Smart Card: 90 days
- PCMCIA and USB Smart Card readers: 1 year

## Standards Compliance

- ISO 7816
- USB v1.1
- FIPS 140-2 level 3
- Java Card 2.1.1
- Open Platform 2.0.1
- PKCS#11
- CRYPTO API

## Hardware Features

- 64KB EEPROM
- 8-bit CPU microcontroller
- Bi-protocol support: T=0 & T=1
- Temperature range: -25°C to +75°C
- Single power supply: 2.7V to 5.5V
- Clock frequency: 1 to 7.5 MHz
- EEPROM endurance: 500,000 write/erase cycles
- Data retention: 10 years (ambient temperature)
- Exception sensors for voltage, frequency, and temperature

## Multipurpose Security Function Integration

- HID®/MiFARE proximity technology for building access
- Photo ID
- Barcodes
- High coercivity magnetic stripe

## Miscellaneous

- Custom Smart Card branding
- Auto-lock workstation or auto-log off user upon removal



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