

# RB-1 PIN-Pad Token

The RB-1 PIN-Pad token is a highly configurable, multi-function authenticator that is ideally suited to users that need the freedom of logging on from any computer, any operating system, and any location. The RB-1 functionality includes the ability to generate digital signatures for electronic or Web-based transactions, along with authenticating voice transactions or instructions



## Maximum Flexibility

With the RB-1, users no longer need to remember or change passwords. Instead, the token generates a new one-time password every time the user authenticates. To prevent unauthorized use, the RB-1 requires the user to enter a PIN using the numeric keypad to activate the token and generate a password.

## Token Initialization and Programming

Using the RB initializer, administrators can easily program the token to achieve the optimum balance between usability 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.

## Replaceable Batteries

RB-1 Key tokens are powered by two replaceable coin-cell batteries, which provide 5+ years of service. Batteries may be easily replaced in the field to extend the service life of the token. A low battery warning appears on the LCD display approximately two months before the batteries are exhausted.

Because CRYPTOCARD tokens never expire, there is no need to periodically repurchase tokens or incur the added cost of administration and redeployment.

## Tamper Proof

The RB-1 incorporates state-of-the-art anti-tampering technologies including the use of volatile static RAM, epoxy encapsulation and active memory erasure.

## Supported Platforms

- Platform Independent

## Authentication Modes

- Event synchronous
- Challenge/Response

## Encryption Algorithms

- AES 128-bit
- AES 192-bit
- AES 256-bit

## Features & Benefits

- Platform Independent
- Generates Digital Signatures
- User Replaceable Batteries—CR 2016
- Tokens never expire - no repurchase necessary
- Tokens can be resynchronized with the server locally without administrator support
- Seed Keys not shared

## 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
- "No PIN" option
- 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 the need to deliver tokens with keys stored on disk or in e-mail
- Keys can be changed at any time
- Key length selection
- Revoked tokens can be re-programmed before redeployment
- Key is randomized with each initialization

## Dimensions

- Length: 85.6 mm (3.4")
- Width: 54.2 mm (2.1")
- Depth: 4.2 mm (0.2")

## Weight

- 30 g (1 oz)

## Warranty

- RB-1 tokens: 5 years
- RB token initializer: 1 year

## Standards Compliance

- FCC & CE Standards Compliant
- ROHS Compliant

## Miscellaneous

- Configurable automatic shutoff (30, 60, 90 seconds)
- Tokens can be resynchronized with the server locally without reinitialization or administrator support
- LCD contrast adjustment
- Custom token branding



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