



# ST-1 Software token for BlackBerry Devices

The ST-1 Software token for BlackBerry is a highly configurable software implementation of the RB-1 PIN-Pad token that is installed as a service on end-users BlackBerry Device. It is the ideal multi-function authenticator for organizations that want the protection of two-factor authentication without the overhead and cost of purchasing additional hardware tokens.



## Maximum Flexibility

The ST-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.

There are two ways to install the BlackBerry token:

- over-the-air (OTA)
- via BlackBerry desktop software.

## Security Features

ST-1 tokens are encrypted and require the use of a secret PIN. If the PIN attempt threshold is exceeded, the token locks and will not generate another password.

## BlackBerry Requirements

- Blackberry OS System: 4.0.0 or later
- J2ME Compatible device (MIDP-2.0 & CLDC 1.1)
- Blackberry 7xxx series or newer device

- Blackberry RAM: 1MB of free memory
- The Blackberry's TLS (Transport Layer Security) to have its TLS Default configured for Handheld

## Supported Platforms

- Platform Independent

## Authentication Modes

- Event synchronous
- Challenge/Response

## Encryption Algorithms

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

## 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)

## Features & Benefits

- Highly configurable
- No overhead and cost of purchasing hardware tokens
- Token Deployment “over-the-air” or through BlackBerry Desktop Software
- Platform Independent
- Tokens can be resynchronized with the server locally without administrator support.

## 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 the 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

- Does not apply to Software Tokens

## Weight

- Does not apply to Software Tokens

## Warranty

- Does not apply to Software Tokens

## Standards Compliance

- Does not apply to Software Tokens

## Miscellaneous

- Tokens can be resynchronized with the server locally without reinitialization or administrator support.

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