

ST-1 Software Token

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



Maximum Flexibility

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

Security Features

ST-1 tokens are encrypted and installed on a desktop or laptop computer, or a BlackBerry or WinCE device. Software tokens require the use of a secret PIN. If the PIN attempt threshold is exceeded, the token locks and will not generate another password. Administrative reinitialization (local or remote) is required should a token become locked.

Supported Platforms

- Windows 2000/2003/XP
- Red Hat Enterprise Linux
- Novell SUSE Enterprise Linux
- Mac OS X Tiger
- BlackBerry
- Pocket PC running WinCE

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

- Integrated easily into a wide range of VPN Clients, Web Browsers, and Domain/System Logons
- Lower cost than hardware tokens
- Supported Platforms are Windows 2000/2003/XP, Red Hat Enterprise Linux, Novell SUSE Enterprise Linux and Mac OS X Tiger
- Seed keys are not shared with the manufacturer

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

- 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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