

ActivCard® Tokens

ActivCard Tokens deliver strong authentication for identifying users and granting secure access to diverse network and Internet-based services.

Highlights

Patented Technology

One-time-use passwords are generated on the token with a standards-based three-variable algorithm.

Easy-to-Use

Users simply enter a PIN on the token keypad to create a secure dynamic password that confirms their digital identity.

Anytime, Anywhere Connectivity

The pocket-size portability enables authentication for employees, partners, and customers from local and remote locations.

High Performance

Proven scalability for large deployments of hundreds of thousands of users.

Optimized for Interoperability

Provides strong authentication for leading networking solutions offered by Check Point™, Cisco Systems®, Microsoft®, Nortel Networks™, VeriSign®, and others.

Best-of-Breed Digital Identity Token Devices

Replacing static passwords with strong two-factor authentication is an essential step for securing corporate networks, applications, and information assets. ActivCard® delivers this capability in the form of easy-to-use tokens. ActivCard Tokens combined with ActivCard AAA Server provide a comprehensive, high performance two-factor authentication solution right out of the box. Millions around the globe have made ActivCard digital identity technology an essential component for securing their online business systems.



Key Advantages

> Increased Network Protection and Transaction Integrity:

- Before a one-time-use password is generated, ActivCard two-factor authentication requires the user to have the token and know the PIN.
- Unlike static passwords, dynamic passwords cannot be reused or guessed.
- Digital signing of transactions certifies data integrity and validates user identity.

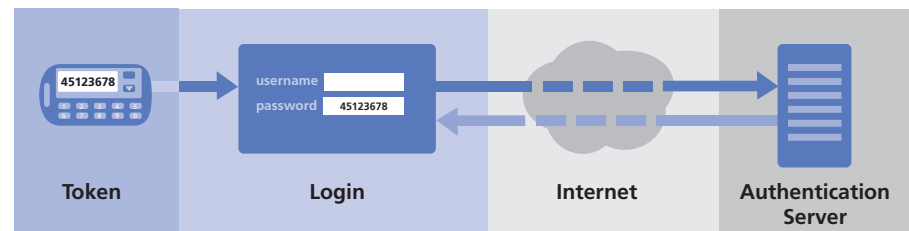
> Streamlined Administration and Authentication:

- Deployed with ActivCard AAA Server, authorized users securely authenticate to VPN and remote access servers, Web-based applications, and other network systems.
- ActivCard Tokens reduce the costs associated with static password maintenance and related security policy enforcement.

> Flexible Deployment for Large Numbers of Users:

- With ActivCard AAA Server, administrators can effectively manage token distribution, initialize tokens, and define user authorization and access rights.
- The same back-end systems that administer ActivCard Tokens also support ActivCard Gold™ smart card clients—delivering a clear bridge and migration path to consolidated PKI, digital signature, and biometric solutions.

ActivCard Token Authentication



User enters PIN on token. Token verifies PIN, generates and displays dynamic password. User enters password into the network login screen. ActivCard AAA Server validates dynamic password and grants user access.

Specifications

Security Services with ActivCard AAA Server Software and ActivCard Authentication SDK

- > Synchronous authentication (patented time-plus-event)
- > Asynchronous authentication (challenge/response)
- > Simplified remote token management
- > Customizable authentication parameters such as password length
- > Data certification
- > Server authentication

PIN Management

- > PIN is selected by user and can be changed anytime
- > Configurable PIN entry protection and automatic lock
- > Administrator initialization option with the ActivCoupler device (optional equipment)

ActivCard Token Specifications

- > Dimensions: 82mm x 52mm x 5mm
- > Weight: 25 grams
- > Life Expectancy: 8 years
- > 12-key keypad (10 number keys and 2 function keys)
- > LCD display of up to 10 alphanumeric characters
- > Replaceable standard lithium battery and back-up battery
- > Low battery detection feature
- > Unique serial number for each token

ActivCard Keychain Token Specifications

- > Dimensions: 62mm x 37mm x 9.5mm
- > Weight: 35 grams
- > Life Expectancy: 4 years
- > 12-key keypad (10 number keys and 2 function keys)
- > LCD display of up to 10 alphanumeric characters
- > Low battery detection feature
- > Unique serial number for each token

Compliance to Standards

- > ANSI X3.92 Data Encryption Standard (DES) algorithm
- > ANSI X9.9 calculation and display of a dynamic password
- > ANSI X9.17 DES key management
- > ANSI X9.19 message authentication
- > ANSI X9.24 DES key derivation
- > ANSI X9.26 sign-on

Compatibility

Please see the ActivCard Web site for the most current information

- > Compatible with leading remote access servers, firewalls, and VPNs

Related Documents

- > ActivCard AAA Server Data Sheet
- > ActivCard Synchronous Authentication White Paper

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