

The A-Key® 4500 Token

The Simple, Mobile and Secure Token with Up to 1 Gigabyte of Encrypted Storage

In today's business world, mobility is a key factor in enabling employees to be more productive and corporations to reach markets in ways they have never been able to before. However, with increased mobility comes greater security risk as sensitive corporate data stored on devices and networks become vulnerable to unauthorized access and theft.

Authenex offers the most cost effective two-factor authentication solution that enhances security and mobility through the Authenex A-Key® 4500 token. The A-Key® 4500 token is a password-protected USB token that offers up to 1 GB of encrypted storage for files and applications and also enables secure, OTP, Challenge/Response and PKI (certificate based) authentication and email security. It leaves no footprint wherever it is used, yet enables secure remote login from anywhere in the world. The A-Key® 4500 token is also tamper-proof and provides protection against brute force penetration.



Secure and Immediate Deployment

You can use your A-Key® 4500 token to access essential enterprise applications on an ASAS® System-protected network without installing anything on your machine. Also, customized applications can be stored and launched from the A-Key® 4500 token. This significantly reduces deployment costs, while integrating security features into a single, easy-to-manage platform.

Strong Two-Factor Authentication

The chip-based A-Key® 4500 token and the ASAS® System offer greater flexibility than other solutions, by enabling One-time Password and Challenge/Response authentication from the same token.

Total Mobility

Our storage-class A-Key® 4500 token does not require installation on your PC. You just plug and play, which means you have complete freedom to use your token on any available computer. With our embedded applications, the A-Key® 4500 token also enables you to travel and authenticate from any local or remote computer without having to install additional software on the remote machine.

Secure On-Board User Memory

The A-Key® 4500 token is equipped with up to 1 GB of on-board user memory and can store documents and/or applications. This memory is protected by a user password and on-the-fly encryption.

Self Erase Security Built Into the Hardware

User data inside the A-Key® 4500 token is safe from loss or theft. For added security, the A-Key® token is programmed to self-erase after a configurable number of failed login attempts.

PKI

The A-Key® 4500 token is equipped with embedded Crypto Service Provider (CSP) for PKI-related operations (such as digital signatures, encryption and authentication) using X.509 digital certificates. The A-Key® 4500 token has an on-board 1024/2048-bit RSA key generator. The embedded CSP is MS CAPI and PKCS#11 compliant. With the addition of ACert™ software, the A-Key® 4500 token is the most mobile secure platform for storing and using digital certificates.

Secure Web Logon

My A-Key™ software enables A-Key® 4500 token users to securely store Web logon credentials and automatically log in to Web sites without having to touch a computer keyboard. With keyloggers on an estimated 50% of all computers, My A-Key™ software on the A-Key® 4500 token is not just convenient, it is necessary.

A-Key® 4500 Token Specifications

■ Features:

- Total Mobility
- On Board User Memory Area up to 1 GB
- On-The-Fly Encryption
- Self Erase Mechanism
- One-time Password
- Personal Password Manager (Optional)
- Public Key Infrastructure (PKI) (Optional)
- Challenge-Response (Optional)

■ Standard Compliance:

- Public Key Infrastructure
 - On Board 1024/2048-bit RSA key-pair generation
 - X.509 Digital Certificates
 - MS CAPI compliant
 - PKCS#11
 - PKCS#12

■ Hardware:

- On-board Security Processor
 - V4000 Series Processor (Authenex proprietary)
 - Hardware Encryption
 - RSA Key generation
- On Board Flash Memory Options
 - 128 MB
 - 256 MB
 - 512 MB
 - 1 GB
- Interface
 - USB 2.0
- Operating Temperature
 - -10° to 60° C
- Storage Temperature
 - -20° to 70° C
- Humidity rating
 - 0 to 100% without condensation
- Display
 - 6-Digit Numeric LCD
- Battery Life
 - 5 years

■ Physical Characteristics

- Casing
 - Casing: ABS Plastic
- Dimensions
 - 58.0mm x 23.0mm x 10.3mm
- Weight
 - 6.5g

■ Operating Systems:

- Windows 2000 Professional and Server
- Windows XP Home and Professional
- Windows 2003 Server

■ LAN, Remote, OWA and IIS Access

(With Authenex ASAS® Authentication Server):

- Dial-up to a remote server with MS RRAS and RADIUS
- VPN with: Check Point™, Cisco Systems®, Microsoft®, Netscreen™, Nortel®, Safenet™ and/or others using RADIUS
- SSL VPN
- Secure Web Access
- Network Login for MS Windows 2000 and 2003 Servers and XP Home and Professional Editions
- Citrix Web Interface 3.0

■ PKI Certificate Storage:

- Compatible with leading Certificate Authorities including: Baltimore™, Entrust®, iPlanet™, Microsoft®, Verisign, and others
- X.509 Certificates

■ Personal Password Manager

- Microsoft Internet Explorer

■ Authenex SDK:

- ASAS Authentication API
- ASAS Management API
- A-Key® API



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