

UB-3

The CRYPTOCARD UB-3 is a multi-function token that supports OTP password generation through the LCD display or through the USB interface. It also supports PKI authentication using digital certificates without the need for smart card readers or pre-loaded applications on the desktop.

The UB-3 is an event-based token which generates a new one-time password each time the token is activated. The token is activated by pressing the button beside the LCD display or programmatically through the USB interface.

It can be used to enforce strong authentication through VPN's, firewalls, web applications, and just about anywhere else a static password is used.

This secure storage class device can also be inserted into the USB port of a computer for PKI authentication without the need to install drivers, which makes it not only versatile, but totally mobile.

UB-3 tokens can use the same PC functionality as Smart Cards for Windows domain network log on. However, UB-3s do not require card readers or the added time and effort to deploy them and train users.

Every UB-3 is unique, with an assigned electronic serial number (ESN) and a randomly (or administratively) generated 4096-bit shared secret. The convenient car key-sized form factor is completely portable for ease of use.

One-Time Password

The event-based One-Time Password function of the UB-3 token presents unique 6-digit numbers that can be combined with a PIN for strong two-factor

authentication. The random number generation engine is modular for specific algorithms, including the OATH (Open Authentication) algorithm.

BlackShield ID – Professional Edition

UB-3 tokens are fully supported in BlackShield ID – Professional Edition, allowing administrators to take advantage of time-saving provisioning and workflow automation features such as self-enrollment and self-service.

PKI

The UB-3 token is equipped with an embedded Crypto Service Provider (CSP) and crypto functions for PKI authentication. It has on-board 1024/2048-bit RSA key generation and signing, along with X.509 Certificates.

Total Mobility

Our USB storage class UB-3 token enables pre-installed clients or applications to go where users go, enabling those users to authenticate without the need to install software anywhere, in order to login to a network at any time. The secure storage area of the UB-3 token enables the flexibility to use any computer with just one click.

Secure Certificate Storage

The on-board ACert™ software allows UB-3 token users to take their digital certificates and key pairs anywhere and use them for PKI related activities, such as Windows Smart Card Logon, digitally signed and encrypted email and PDF documents, single sign-on for Web sites, VPNs, etc.



Specifications

Standards Compliance

- Public Key Infrastructure
 - On-board 1024/2048 bit RSA Generation, Signing
 - Microsoft CAPI 2.0 compliant for certificate storage
 - PKCS#11
 - PKCS#12
- Symmetric Key Cryptography: AES 128/256-bit, DES, 3DES, DES-X, MD5, RC2
- SHA-1 (FIPS 108-2)
- OATH (160 bit)
- USB1.1

Hardware

- On-the-fly encryption
- SHA-1
- Optional Extended on-board flash memory to 512K (standard 128K)
- Connector: USB 1.1
- Casing: ABS Plastic

Compatibility

- Windows 2000, 2003, XP, Vista
- Windows Smart card logon
- BlackShield ID – Professional Edition
- A-Cert certificate management

PKI

- PKI Certificate Storage: compatible with leading certificate authorities including Baltimore, Entrust, Microsoft, Verisign, and others.

OTP Generation

- Manual via LCD display
- Programmatic via USB interface

OTP Authentication

- RADIUS
 - VPN
 - Firewall
 - Any RADIUS compliant device or application
- All BlackShield ID Agents including:
 - Citrix XenApp
 - Windows Terminal Server
 - Windows Network Logon
 - Outlook Web Access (OWA)
 - Sharepoint
 - IIS 6 / IIS 7 sites, virtual servers, applications
 - Remote Web Workplace (RWW)

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