Telos ID

MOBILEAssure™

Handheld Authentication Software

Overview

Telos ID's MobileAssure Handheld Authentication Software uses three-factor authentication to verify personal identification on handheld devices. This involves using a hardware based access control token, such as a smart card based identification card, a PIN to access the credentials held on the smart card and a fingerprint reader to verify the biometric value held in a central database. This strong multi-factor authentication capability makes MobileAssure the appropriate choice to meet the security and authentication requirements of the most demanding applications.

The MobileAssure Handheld Authentication Software can be used either online or offline and can quickly switch between each operation. When connected to a network, the software will allow real-time network verification and data reporting. In addition online operations can provide multifactor authentication with various forms of IDs including driver licenses and locally generated IDs.

The offline mode allows the handheld to read the PIV and CAC card chip, verifies the person's pin to the smartcard and displays the person's name, picture (if available), organization and expiration date stored on the card. In addition, the operator has the option to do a fingerprint match to the fingerprint stored on the card. The software can provide secure authentication worldwide with no supporting infrastructure other than the ability to recharge the battery of your handheld device.

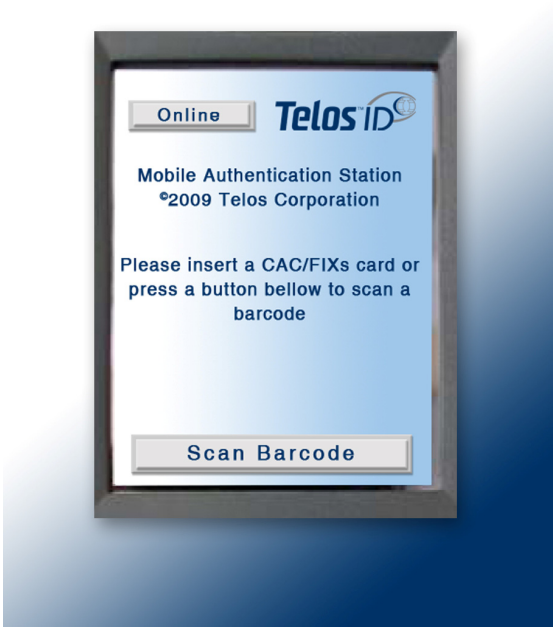
In addition to authentication using the smartcards, the software can read barcodes on DOD CAC, PIV, SPOT, DBIDS, TESLIN and other PIV interoperable cards or custom solutions where applicable. The information encoded in the barcode will be displayed including the picture on a TESLIN card.

When network connectivity is available, users can use the Online Mode. Working with the customers, Telos ID can design custom solutions based on customer requirements and available network resources. Several examples are shown below.

In the online mode using an OCSP responder (Online Certificate Status Protocol) on the network, the ID can be verified to ensure the cards certificate has not been revoked, adding an additional level of security.

Another online feature is server mode. In this mode the MobileAssure Handheld Authentication Software allows one to three factor authentication with a number of ID cards using a networked database in real time. The software can read 1D or 2D barcodes, the contact interface on a smartcard, or the contactless interface on a smartcard using the ISO 14443 standard. The handheld connects over the network to a database serving as the authoritative source of authorization information. The operator scans a person's ID card and the handheld device will connect to the server and pull down the subject's picture and other stored information. The operator also will have the option to verify the person's fingerprint. A PIN can also be required as an additional level of authentication. The power of this solution is the ability to customize the application to meet the security requirements of the customer. This customization does require an integration step for data formatting and specific interface protocol.

Driver Licenses: This option adds the ability to read encoded information on US drivers licenses (bar code or magnetic stripe) on your Handheld. Note: Not all hardware platforms support magnetic stripe readers. With this option you can quickly display all information encoded on the driver license. If data logging is requested, it can be added to archive the specific information.



Telos ID (Telos Identity Management Solution, LLC) | 19886 Ashburn Road, Ashburn, VA 20147-2358 | 1.800.70.TELOS | 1.800.708.3567 | Fax 703.724.3867 | www.telos.com

The table below depicts the card type and interface read along with the biometrics presented and displayed on the corresponding integrated mobile device.

Card/Interface	Picture	Fingerprint	Card Verification	Card Data
CAC PIV / contact	Yes	Yes	Yes	Yes
CAC old / contact	Yes	Yes	Yes	Yes
CAC PIV contactless	Yes	Yes	Yes	Yes
PIV Interoperable / contact (TWIC, etc)	Yes	Yes	Yes	Yes
FIXS / 2D barcode	Yes	Yes	Yes	Yes
CAC / 2D barcode	Yes	Yes	Yes	Yes
Teslin / 2D barcode	Yes	Yes	Yes	Yes
DBIDS / 2D barcode	Yes	Yes	Yes	Yes
US Driver's License / 2D barcode	Yes	Yes	Yes	Yes

Note 1: Picture container is optional under PIV standards.

Note 2: Capabilities shown in **GREEN** require online connection to registration databases

Hardware Supported:

All listed hardware supports reading bar codes, contact and contactless PIV and CAC cards, fingerprint capture, and docking station. A unique capability of MobileAssure is its ability to interface with a wide variety of handhelds. Acting as a secure middleware layer, MobileAssure provides the ability for customers to quickly move between hardware platforms as the requirements of the application change or as new equipment and new capabilities become available. New or custom hardware platforms can be added easily after a MobileAssure integration is completed.

Hardware Platform	Description
Crossmatch Be. U Mobile	Windows CE 5.0
Symbol MC75	Windows Mobile 6
DAP 3242	Windows CE 50
DAP magnetic stripe reader option	Option to support reading magnetic stripe on driver's licenses. Must be ordered with device.

Telos ID (Telos Identity Management Solution, LLC) | 19886 Ashburn Road, Ashburn, VA 20147-2358 | 1.800.70.TELOS | 1.800.708.3567 | Fax 703.724.3867 | www.telos.com