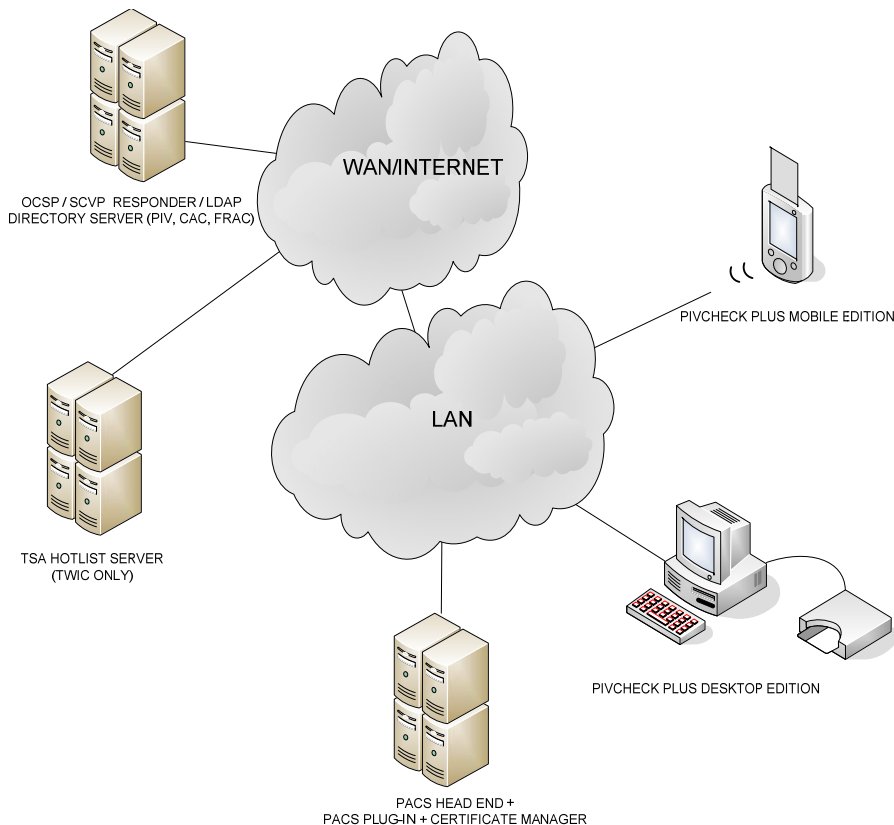


# PIVCHECK PLUS

Workstation and Mobile -based solutions for  
PIV/ TWIC / CAC / FRAC cardholder verification and  
registration into physical access control systems



## Key Benefits:

- Enables FIPS 201-compliant validation of and registration with physical access control systems (PACS). Can update an existing cardholder record, or insert one if one did not already exist.
- Active or passive badge suspension if card certificate serial number is on Certificate Revocation List (CRL) or FASC-N is on TSA Hot List.
- Modular solution providing maximum deployment flexibility.
- Operates with COTS FIPS 201 PIV-II and ANSI INCITS 378-compliant fingerprint capture devices.
- Supports PIV, TWIC, CAC, and FRAC credentials.
- Integrated with several fixed biometric readers. Can send certificate revocation status, TWIC Privacy Key (TPK), etc. to the fixed reader upon request.



Best Integrated System  
HSPD-12/FIPS 201  
Compliance

## Cardholder Validation Solution for HSPD-12 compliance with automated PACS registration and certificate management

**PIVCheck Plus Desktop:** A PC-based solution that provides strong, three-factor authentication, managing the acquisition of cardholder data from a smart card and performing a biometric match against the data stored on the card. Digital certificates are verified using the issuer's validation authority, SCVP or OSCP responder or repeater. All cards are validated using FIPS-201 challenge-response (CAK or PAK) in order to identify forged or cloned cards. *PIVCheck* validates all PIV, TWIC, CAC, and FRAC cards.

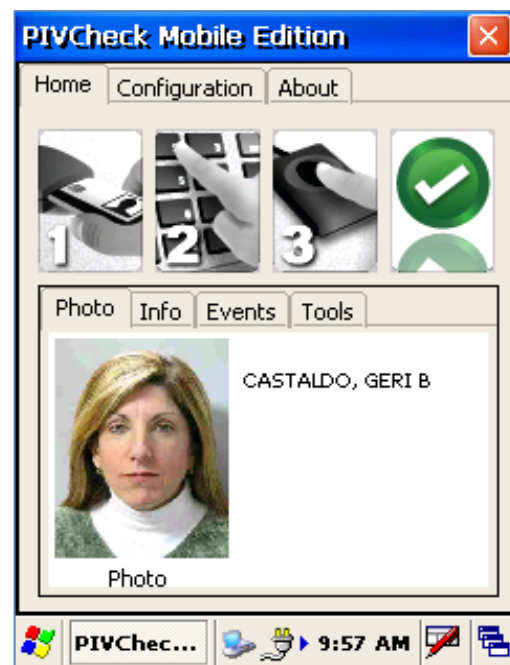
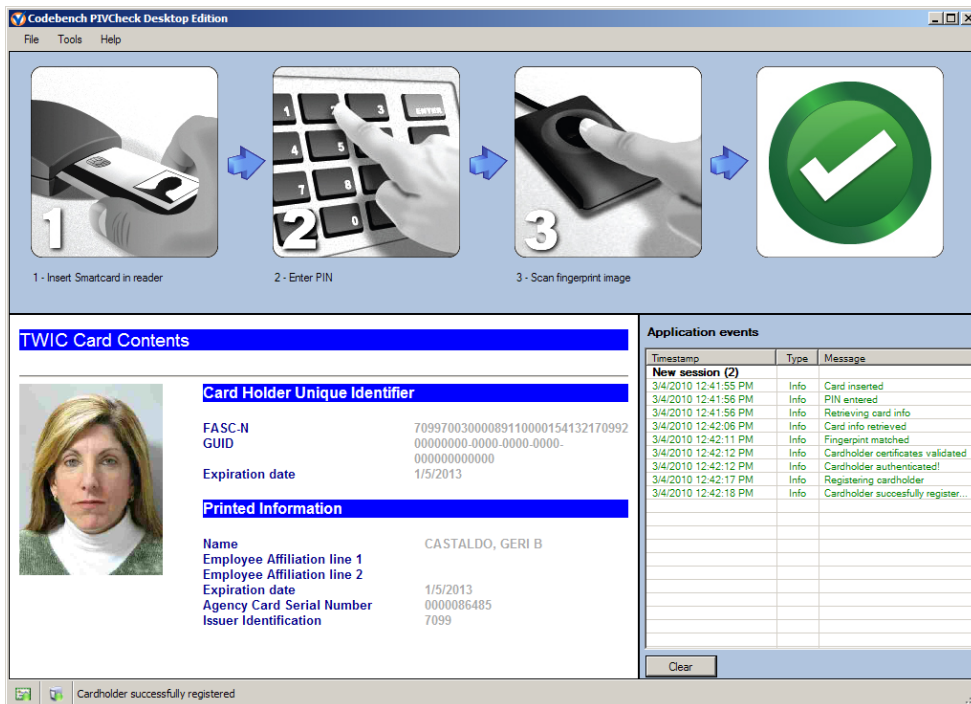
*PIVCheck Plus* provides ability for automated registration of FASC-N, photo and printed information into compatible PACS.

Updates a cardholder record if it already exists in the PACS, or inserts a new record if one does not exist.

**PIVCheck Plus Mobile:** A mobile hardware and software-based solution with the same functionality as *PIVCheck Plus Desktop*, with Ethernet, WiFi, and GSM connectivity. If no network connectivity, cardholder records are encrypted and cached on the mobile reader for revalidation and batch import at a later time.

**Certificate Manager:** A PC-based application that re-validates the imported certificates on a user-defined periodic basis to ensure continued validity. Can suspend a PACS badge associated with a revoked certificate.

**PIVCheck Passage:** A door control module that sends Wiegand 26-, 35-, 48-, 64-, 75- or 200-bit signals to a reader board on PACS controllers from either a PC or a mobile reader.



## PIVCheck Plus 3-Factor Validation Process



**Something you have.** FIPS 201-compliant credential is inserted in reader. Information is retrieved from the card for CAK validation.



**Something you know.** Stored PIN is compared to user entry for validation. PIN is entered via on-screen random keypad.



**Something you are.** Stored biometric is compared to user entry for validation using NIST- and MINIX-certified template generator and matching algorithm.



**Not authenticated.** Occurs if invalid PIN is entered, card is expired/cloned/forged, biometric doesn't match, one or more certificates are revoked, or FASC-N is on TSA hot list.



**Authenticated.** Indicates PIN and biometric matched, card is valid, not expired, certificates are not revoked, and FASC-N is not on TSA TWIC hot list.

### Requirements:

- PIVCheck Plus Desktop:** Operates on Intel-based PC with minimum 1.8 GHz CPU, 1 GB RAM, 40 GB hard disk, and Microsoft Windows XP SP2, Windows 2003 Server, Vista Business Editions with Microsoft .NET Framework 2.0, and Windows 7. Supports Identix BTO-500, Secugen Hamster IV, Lumidigm Venus, Cogent CSD301, MorphoTrak MSO350/1350 fingerprint capture devices and most USB smart card readers.
- PIVCheck Plus Mobile:** Operates on a mobile device with Windows CE operating system, contact/contactless smartcard reader, fingerprint reader. May include WiFi, Ethernet, GSM connectivity.
- PIVCheck Cert Manager:** Operates on Intel-based PC with minimum 1.8 GHz CPU, 1 GB RAM, 40 GB hard disk, and Microsoft Windows XP SP2, Windows 2003 Server, Vista Business Editions with Microsoft .NET Framework 2.0
- PIVCheck PACS Plug-ins:** Operates on Intel-based PC with minimum 1.8 GHz CPU, 1 GB RAM, 40 GB hard disk, and Microsoft Windows XP SP2, Windows 2003 Server, Vista Business Editions with Microsoft .NET Framework 2.0.
- Network:** Requires network connectivity with certificate authorities for real-time card validation. TWIC validation requires Internet connectivity.