

# PIVMAN™ System

## Mobile credential validation

Immediate, mobile identity and privilege checking of millions of cardholders, even without network connectivity.

### Overview

The PIVMAN System consists of server software and handheld devices designed to allow authorized personnel the ability to confidently control access to any site by quickly authenticating and validating the identities and privileges of individuals wishing to enter an area.

These capabilities are critical in scenarios that require accurate information about credential holders, but where network connectivity is unreliable – scenarios such as, natural disasters, homeland security incidents, border control, and perimeter security.

In any of these cases, those tasked with security are presented credentials issued by various organizations. These credentials may include government smart cards, local ID cards, national IDs, passports, and driver's licenses.

The PIVMAN System draws information from multiple independently maintained sources, which it publishes to handhelds in a highly compressed format. This data is used to validate identities, check privileges, and display results.

The highly scalable PIVMAN System is designed to support large numbers of individuals – well into the hundreds of millions. So, the devices can be used everyday for local applications and still provide the critical operational continuity in the event of a disaster.

### Key features

- **Mobile validation** Handhelds perform immediate credential validation (including biometric fingerprint verification based on the FIPS 201 standard), anywhere, requiring no network connectivity or additional hardware.
- **Millions of individuals** Privilege information is stored on the device in a highly compressed, digitally signed Identity and Privilege List (IPL). In this way, privilege and identity information about millions of cardholders from various agencies and organizations is readily available.
- **Multiple, independent databases** Privilege and identity data are sent to the IPL Publisher from existing

databases. Participating independent organizations at the city, regional, and national levels continue to maintain this identity and privilege information in independent databases as they do today.



- **Always up-to-date** The PIVMAN System synchronizes dynamically using public wired or wireless connections, when such a connection is available. At the moment devices are needed, they always contain the latest data.
- **Works when all networks are down** By always storing the most up-to-date identity and privilege information on the device, cardholders can be validated immediately without requiring a network connection to perform the operation.
- **Comprehensive logging** Activity logs are uploaded to the Management Station during synchronization. This data can be used to create comprehensive after-action reports.
- **Third party extensibility** Applications from third party providers are easy to integrate into the PIVMAN System
- **Standards Based** Supports Windows CE and Windows Mobile as well as FIPS 140-2 for cryptographic functions.

### Supported credential types

- US Government issued smart cards, including:
  - FIPS 201-compliant cards
  - First Responder Authentication Credential (FRAC)
  - Transportation Worker Identification Credential (TWIC)
  - Department of Defense (DoD) Common Access Card (CAC)
- Belgian eID card
- Other contact and contactless smart cards
- AAMVA-compliant 2D barcodes (US driver's licenses)