# Biometrics & Smart Cards

## Integrated Biometric and Smart Card Management

Biometrics and smart cards are two of the most powerful security solutions available today. While there is an assortment of products on the market purporting to offer high security, not all of them provide the optimal experience for the user. Lenel has developed OnGuard Biometrics & Smart Cards to help customers leverage their OnGuard systems to support industry leading biometric and smart card technologies. This solution offers customers a seamless enrollment and verification experience, to simplify management and optimize security while providing added functionality.

## Biometric Templates

Using biometrics adds a layer of protection beyond the use of cards and PIN at specific access points. Cardholders who must use biometrics for secure-area access can enroll their fingerprint, hand geometry or iris data easily and securely using OnGuard ID CredentialCenter. System administrators that add biometric verification capabilities to secured doors and desktops use a single point of enrollment for all cardholders. Rolling out OnGuard Biometrics & Smart Cards involves capturing the cardholder's biometric data, managing it in a secured database, and storing the template. The cardholder's biometric template is securely managed, ensuring that the individual's personal data will not be compromised.

## Secure Cards

The enhanced security offered by smart cards has increased their popularity. Although magnetic stripe and proximity cards are easier to manage than traditional locks and metal keys, their vulnerability is that someone who can obtain the card-based data can reproduce the cards. By contrast, smart cards perform a procedure known as mutual authentication, which requires the smart card and the card reader to identify each other before data can be communicated. While proximity merely waits for a signal from a badge and automatically transmits data for verification, smart cards work in conjunction with readers to safeguard biometrics and other data on the card.

## Standard Features

- Fast, efficient, enrollment using OnGuard ID CredentialCenter
- Biometric verification
- Single networked system
- Access decisions made at the panel or credential level, even when off-line with the database server
- Centralized reporting and audit trail
- Share biometrics between PACS & LACS for login to user's directory accounts

## Benefits

- Increases security
- Eliminates multiple systems and databases
- Reduces total cost of ownership

## Support

Supports template-on-card and template-on-server data models

Supports biometric readers from:

- Morpho (L-1; Bioscrypt)
- IrisID iCAM 7000 series
- Schlage Handkey
- HID bioCLASS
- Sagem Morpho
- Suprema/Entertech

Supports card readers from:

- HID (iClass, Mifare, Desfire)
- Xceed ID (Mifare, Desfire)

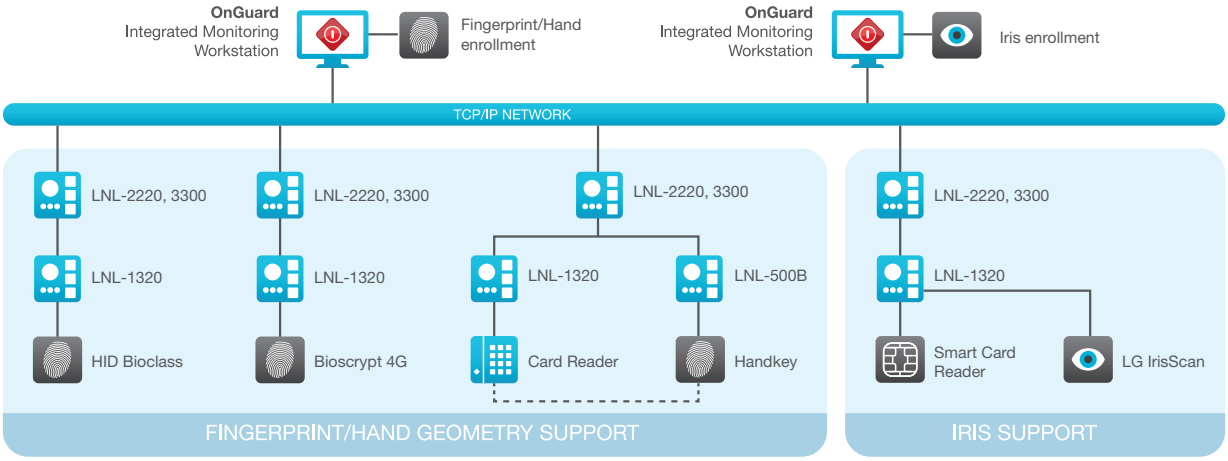
Supports encoders from:

- HID (iClass)
- Digion (Mifare)
- Inline encoders built into printers (see price book)

Supports smart card enrollment from:

- OmniKey (Mifare, PIV)
- RFIDeas (Mifare, iClass, PIV)

# Biometrics & Smart Cards




## Smart Card Profiles

The ability to use a smart card for multiple applications besides security presents new opportunities for users. A magnetic stripe card contains a unique identifier that is accessed whenever the card is used—in vending machines, at doors, etc. By contrast, a smart card can support multiple, independent applications, each of which is protected by its own software key stored on the card. Each different application protects its own data, but all data is stored on one physical card. An advantage of the OnGuard solution is its ability to perform in-line encoding of multiple applications on a smart card during cardholder enrollment or badge printing.

## OpenCard Format

OnGuard can produce smart cards that can be used across multiple systems. Lenel technologies can produce and read a variety of standard card formats, including a variety of government smart card formats. Additional formats allow creation of iCLASS, MIFARE, DESFire, and magnetic badges that are compatible with many standard readers. This eliminates the need for third-party card encoding software in most cases.

## L-1 (Bioscrypt) Support

OnGuard offers a fully-integrated, fingerprint authentication access control application reader for distributed controller and smart card solutions by integrating with the Bioscrypt V-Flex, V-Smart and V-Station fingerprint readers. Card holders' fingerprints are captured during enrollment, and either downloaded to the ISC (Intelligent System Controller) or directly written to a smart card using standard contactless smart card technology. Once users are enrolled for Bioscrypt physical access control products, they are automatically enrolled for use in Bioscrypt VeriSoft logical access control system. VeriSoft is seamlessly integrated with OnGuard, and allows desktop users to actively maintain their password profile for access to an assortment of network and software applications and web sites.

## IR - Schlage Recognition Systems Support

OnGuard provides advanced hand geometry support using Schlage HandKey, HandKey II, and ID3D hand geometry readers. Schlage readers utilize field-proven technology that maps and verifies the size and shape of a person's hand. Each hand template requires only 9 bytes of information, for fast enrollment and minimal data storage in the OnGuard database and at the ISC (Intelligent System Controller).

## Iris ID Support

OnGuard provides advanced iris verification support for customers seeking to establish the highest level of access control. By seamlessly integrating iris technologies from LG Electronics, OnGuard supports storage of iris templates on HID iCLASS 16K contactless smart cards for local verification. Users can enroll and receive their encoded credentials via OnGuard ID CredentialCenter.

lenel.com

(866) 788-5095



OG_SS_BS_0515