



# dormakaba Keyscan Access Control System User Guide

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**dormakaba Keyscan Access Control System**



## Keyscan Access Control Systems Product Guide

### Specifications

- **Product Name:** Keyscan Access Control Systems
- **Product Type:** Networked access control solutions
- **Integration Options:** Unparalleled integration options with other dormakaba product portfolios as well as third party partnerships
- **Supported Industries:** K-12 school, lodging, multi-housing, senior living, college and university, healthcare, commercial, retail, sports and entertainment, and airport industries

### Product Usage Instructions

#### Identify. Authenticate. Control.

To ensure a secure environment and admit authorized personnel, follow the steps below

1. **Identify:** Use the Keyscan access control systems to accurately identify credentials of individuals seeking access to secured areas.
2. **Authenticate:** Verify the credentials provided by the individuals to ensure they are authorized for access.
3. **Control:** Grant or deny access based on the authentication results.

#### Aurora Access Control Software

dormakaba's Aurora access control software is a key component of the Keyscan access control systems. Follow the instructions below for optimal performance:

1. Install the Aurora software on your system.
2. Register the software online to obtain a license number and unlock number for complete registration and software activation.
3. Explore the many features and integration options provided by Aurora to customize your access control system.
4. Optional licensed modules are available to enhance the software functionality. Purchase and install them separately to expand the capabilities of your access control system.

## Aurora Key Benefits

- No limiting or expansion governors
- No recurring fees
- Ideal for any access control application, regardless of size or complexity

## Add-on Modules

Add-on modules are separate applications that can be installed to further enhance the functionality of the Aurora software. Follow the steps below to install and register add-on modules:

1. Purchase the desired add-on module.
2. Install the add-on module on your system.
3. Register the add-on module online using the license number provided upon purchase.
4. Obtain an unlock number to complete the registration and enable the add-on module.

## FAQ (Frequently Asked Questions)

### • Q: What industries are supported by dormakaba's Keyscan Access Control Systems?

A: dormakaba's Keyscan Access Control Systems support the following industries: K-12 school, lodging, multi-housing, senior living, college and university, healthcare, commercial, retail, sports and entertainment, and airport industries.

### • Q: Are there any recurring fees associated with Keyscan Aurora access control software?

A: No, there are no recurring fees associated with Keyscan Aurora access control software.

### • Q: Can I customize my access control system with Keyscan Aurora?

A: Yes, Keyscan Aurora provides many features and integration options to customize your access control system according to your requirements.

## Keyscan Access Control Systems Product Guide

Smart access means confidence



Secure areas require a reliable access control system for identifying and admitting authorized persons



### **Identify. Authenticate. Control**

- Our mission is to make the lives of our customers smart and secure. Holding true to our mission, we invest in innovation to develop access control solutions that you can trust.
- Keyscan electronic access control systems deliver a broad spectrum of innovative solutions that combine convenience with performance to provide controlled access for all openings. Our systems offer three levels of secure building access:
- identify, authenticate and control. The identify level is the ability to perform electronic identification of all persons moving within a controlled building environment. The authentication level is the software technology to confirm identification of an individual and compare to set permissions assigned to that individual, while the control level grants or denies access based on successful identification and authentication levels.
- Our access systems offer unparalleled integration options with other dormakaba product portfolios as well as third party partnerships offering you enhanced access technologies that provide greater connectivity and performance.
- To ensure our access control solutions perform at the highest level, we partner with a skilled network of service and installation dealers and integrators across North America, and beyond. You can rely on dormakaba for exceptional product support, including installation, retrofit, replacement and maintenance.
- Together with first class aftermarket sales and technical support, our priority will always be adding value for our

customers and esteem to our brands.

dormakaba is a premier provider of total security solutions to the K-12 school, lodging, multi-housing, senior living, college and university, healthcare, commercial, retail, sports and entertainment and airport industries.

- Smart access begins at dormakaba



## **Aurora access control software**

### **Performance and sustainability**

A secure environment demands accurate identification and authentication of credentials when admitting authorized personnel. dormakaba's access systems provide a secure, yet transparent solution for facilities requiring authorized access to secured areas. Our software solutions are the cornerstone of dormakaba's approach to access control.

Integration is a common thread for optimizing access control systems. With an emphasis on performance and sustainability, dormakaba's Keyscan Aurora access control software provides just that.

With many features and integration options, it provides a single solution for access control with no limiting or expansion governors or recurring fees. Keyscan Aurora

is ideal for any access control application, regardless of application, size or complexity.

Aurora offers impressive features and integration options, such as

- VMS integration with top video system manufacturers
- Enhanced Lockdown
- Wireless and offline integration with E-Plex electronic locks & support for third-party wireless locks
- dormakaba Community and Ambiance multihousing and hospitality software integrations offering unique 'back-of-the-house' access control solutions
- Active Directory integration
- SMART elevator dispatch system integration (KONE & ThyssenKrupp)
- BioConnect biometric systems integration
- EasyLobby, ISM, Savance Visitor management, and Braxos multifaceted systems integrations, plus more

Some integration solutions are made or provided by partner manufacturers and are not dormakaba products. Contact your sales representative for details.

### **Aurora key benefits include**



- Web client user interface – control your system from any webenabled PC or mobile device
- Enhanced network-based lockdown – ideal for any scenario demanding an emergency response plan
- SAAS – Centrally managed access control
- Software Development Kit (SDK) or API license – for custom integrations
- Multi-language support (English, French, Spanish and Portuguese)



## Aurora optional licensed modules

### Enhanced software functionality

- **Add-on modules**

Add-on modules are installed as separate applications and registered with a license number provided when you purchase the module. When you register your software online you'll obtain an unlock number to complete the registration and enable your software.

- **Aurora web client** – interface allows you limited management of your system from any location using web-enabled computers or devices.
- **SQL Upgrade** – you may upgrade to full SQL database and removing the 10GB limit. Requires server, OS and appropriate licensing for SQL server 2017 64-bit.
- **Optional licensed modules**  
Optional licensed modules are installed during the Aurora installation process. To activate the module for use, you need to register a module's license number provided when you purchased the module.
- **Aurora Enhanced Lockdown**: New software module allows users to initiate custom, network-based, lockdown response scenarios, including E-Plex wireless locks, by clicking an icon on their PC desktop.
- **Video Management System (VMS) module**: allows Aurora users to open and use client software from leading video manufacturers.
- **Intrusion systems module**: DSC MAXSYS and PowerSeries intrusion panels. (\* Does not support PowerSeries Neo.)
- **Biometrics module**: supports functionality with BioConnect and select biometric readers within Keyscan Aurora environments.
- **Active Directory module**: users may be linked to their Active Directory record to expedite system user permissions and day-to-day activities with Aurora.
- **Visitor management module**: when you require a more progressive visitor management system than Aurora's

built-in feature, this allows for integrating leading Visitor Management software.

- **Software developers kit or API:** available application to harness Keyscan Aurora functionality from within another application

## **Networked access control systems**

### **Door controllers**

Our networked access control systems deliver a broad spectrum of innovative solutions that combine convenience with performance to provide controlled access for all openings. Our systems offer security, sustainability and reliability. Security controls building access. Sustainability ensures innovative technology and integration options allowing your system to meet your needs well into the future. Reliability ensures performance keeping everyone secure at all times.

dormakaba's Keyscan CA series door controllers provide maximum system design flexibility. Available in 1, 2, 4, or 8 door module designs, our compatible CA and EC access control units can be unified to satisfy applications for any facility.

The CA controller series will also update or augment aging systems while, in many cases, utilizing existing infrastructure.

### **Door controller features**

- Network TCP/IP ready (with NETCOM)
- Easily configurable reader settings supporting Wiegand protocols
- Up to 6000 transactions retained in transaction buffer with auto-upload protocol if communication is interrupted
- Dual processors
- Power over Ethernet (CA150 only)
- DHCP supported
- Expanded flash memory allows for up to 45,000 credentials with expansion to 90,000\*
- Global communication among multiple controllers, server and sites\*\*
- Accommodates hundreds of time schedules and/or group levels
- Multiple inputs and outputs for expansion capability

with special order hardware requires CIMs and CIM Link communication modules

CA250 2-door control unit Includes

- CA250B ACU board
- 1 – OCB8 relay board
- 1 – DPS-15 power supply
- 1 – black metal enclosure with lock and tamper switch



CA4500 4-door control unit Includes

- CA4500B ACU board
- 1 – OCB8 relay board
- 1 – DPS-15 power supply
- 1 – black metal enclosure with lock and tamper switch



CA8500 8-door control unit Includes

- CA8500B ACU board
- 2- OCB8 relay boards
- 1 – DPS-15 power supply
- 1 – black metal enclosure with lock and tamper switch



### **Elevator floor controllers**

dormakaba's Keyscan EC series elevator floor controllers are designed to secure access to office or residential floors by prompting credential-holders to present their assigned credential when using the elevator. Available in 1 and 2 cab module designs, our compatible EC and CA control units can be unified to satisfy applications for any facility.

The EC controller series will also update or augment aging systems while, in many cases, utilizing existing infrastructure.



## Elevator floor controller features

- Network TCP/IP ready (with NETCOM)
- Easily configurable reader settings supporting Wiegand protocols
- Up to 6000 transactions retained in transaction buffer with auto-upload protocol if communication is interrupted
- Dual processors
- DHCP supported
- Expanded flash memory allows for up to 45,000 credentials with expansion to 90,000\*
- Global communication among multiple controllers, server and sites\*\*
- Accommodates hundreds of time schedules and/or group levels
- Inputs and outputs for OCB8 expansion capability

with special order hardware requires CIMs and CIM Link communication modules



EC1500 1 cab elevator floor controller Includes

- EC1500B ACU board
- 1 – OCB8 relay board
- 1 – DPS-15 power supply
- 1 – black metal enclosure with lock and tamper switch



EC2500 2 cab elevator floor controller (Supports 2 Cabs/ 2 readers) Includes

- EC2500B ACU board
- 2 – OCB8 relay boards
- 1 – DPS-15 power supply
- 1 – black metal enclosure with lock and tamper switch



## Small application access control systems

### Keyscan LUNA single door access control

Keyscan LUNA™ is a comprehensive software solution specifically designed for small caliber access control installations that are ideal for today's small businesses. Keyscan LUNA software can now be utilized to program both Single Door Access Control Units (SDACs) as well as select E-Plex offline electronic locks.

A SDAC is designed to secure one door, with up to two readers, and power one electric locking device. It functions on a Wi-Fi point-to-point or WLAN with a PC laptop running LUNA™ software. The same Keyscan LUNA software can also be utilized to program E-Plex offline locks utilizing a handheld M-Unit to upload data to each lock



### SDAC Features

- WiFi point-to-point or WLAN connectivity
- Two reader ports (in/out)
- Dual processors ensure panel operation even during system downloads

- Lock relay – form C dry contacts
- Flexible installation
- Functions with high or standard security credentials
- Requires Keyscan LUNA™ software download from [www.dormakaba.us/LUNAsoftware](http://www.dormakaba.us/LUNAsoftware)

### **Keyscan LUNA™ software benefits**

- Offline support for E-Plex offline electronic locks
- Comprehensive and easy to use
- Encrypted database
- No licensing or recurring fees
- One copy of LUNA™ software can manage 6 SDAC units and unlimited offline E-Plex electronic locks.
- Complimentary download; can be stored on a USB drive
- Selectable filter transaction reports

### **Keyscan CA150 single-door controller**

When it comes to performance, and overall capability, the CA150 is comparable with our full line of access control units. CA150 is ideal for a single-door deployment or to augment an existing system with a need for one additional door.

- Network connectivity with built-in PoE ready TCP/IP module
- PoE† mode to transmit power for reader, strike, and other auxiliary devices, up to 680mA (requires PoE injector).
- DHCP supported
- Dual Processors
- Flash Memory
- Two reader ports
- Requires Aurora software

POE under license with Chrimar Systems Inc., US Patents 8,155,012 – 8,942,107 – 9,049,019.



## **High security readers and credentials**

### **13.56 MHz high-frequency**

- Secure access within a facility is critical to protecting people and the integrity of physical and intellectual

property. Entry points must be monitored and access authenticated. Our selection of high security readers and credentials validate identity and authorize individual access creating secure areas throughout your facility.

- dormakaba offers an attractive selection of high security Keyscan, iCLASS and UHF readers and credentials. Keyscan credentials are available in Keyscan 36-bit format. The iCLASS 13.56MHz credential series are also available in Keyscan 36 bit plus offer Keyscan Elite Key format (excluding Seos).
- dormakaba's 13.56MHz credentials are available as clamshell, ISO graphics quality cards, fob and tag styles. For long-range needs rely on the UHF 933MHz reader and credential series.



### **K-SMART3**

Mobile-ready 13.56MHz reader

K-SMART3 is designed to support Keyscan Mobile Credentials and offers unrivaled performance and reliability. It also functions with Keyscan DESFire EV2 and K-SECURE 1K and 4K physical credential series. It is designed to read Keyscan's proprietary elite key and 36-bit credential formats. Together, K-SMART3 and Keyscan credentials offer enhanced security.



### **K-SKPR**

13.56 MHz keypad reader

The new Keyscan smartcard reader and keypad offers users the convenience of a contactless credential with the enhanced security that only a smartcard reader, keypad and credential combination can offer. Use with K-SECURE 1K/4K series credentials.



### **DESFire EV2 credentials**

Keyscan DESFire® EV2 credential delivers high security with a good balance of speed, performance and cost efficiency. Keyscan DESFire EV2 credentials are ideal for diverse applications that demand the highest levels of security. Plus, it provides a range of backward compatibility and can be utilized on an existing Keyscan high-frequency access control system.

### **DESFire EV2 credential series**

- **CSC-2 clamshell card:** CSK-2 Fob
- **CSM-2P ISO graphics quality card:** K-TX2-EV2 4- button wireless transmitter



### **K-SECURE credentials**

K-SECURE series credentials are equipped with numerous anti-counterfeiting, card anti-duplication and robust AES multilayer encryption technologies offering greater security. Complies with international interoperability (ISO14443) standards for 3rd party applications.

### **K-SECURE credential series**

- K-SECURE 1K ISO smart card (1k memory): K-SF-1K smart fob (1k memory)
  - K-SECURE 4K ISO smart card (4k memory): K-TX2-1K 4-button RF transmitter (1k memory)
- (Contact dormakaba Canada for using data sectors.)



## 13.56 MHz iCLASS® Seos® and Ultra high frequency (UHF)

### iCLASS Seos® reader series

Featuring Seos® technology. Seos offers the freedom to use smart cards or smartphones with best-in-class security and privacy protection. Use with KI8KSEOS 8K credentials or HID Mobile Access credentials (SOM models only).

- **iCLASS Seos readers**

R10SO standard reader

R40SO standard reader

RK40SO standard keypad reader

- **iCLASS Seos credential**

I8KSEOS iCLASS seos card credential

- **iCLASS Seos BLE/NFC readers**

R40SOM NFC/BLE reader

R10SOM NFC/BLE reader

RK40SOM NFC/BLE keypad reader

SOM readers also function with HID Mobile.



### UHF long-range reader and credential series

With advanced encryption technology, it delivers a secure ultra-high frequency solution that function seamlessly with Keyscan systems. Built with a rugged housing that protects the antennae and electronics from elements. Once installed, the KU90UHF can be locally configured via Ethernet port and a user-friendly web interface for ease of maintenance. Use with KIUHF ISO UHF credentials or KI4KSEUHF ISO dual UHF and SE credentials.

#### UHF reader

KU90UHF long range reader

#### UHF credentials

KIUHF credential

KI4KSEUHF dual SE/UHF credential

## 13.56 MHz iCLASS® SE and iCLASS® SE Legacy



### iCLASS® SE readers and credentials



Keyscan iCLASS SE goes beyond the traditional smartcard model to offer a secure identity data structure based on Secure Identity Object (SIO), a new portable credential methodology. Use with KC2K2SE clamshell card, KI2K2SE ISO smartcard, or KF2K2SE smart fob credentials.

#### iCLASS SE readers

- KR10SE mullion
- KR40SE single-gang

- KRK40SE with keypad

## **iCLASS SE credentials**

- KC2K2SE clamshell card
- KI2K2SE ISO smartcard
- KF2K2SE smart fob



### **iCLASS® SE Legacy readers and credentials**



iCLASS SE legacy readers and credentials make access control more versatile and provide security through encryption and mutual authentication between the card and reader. They are available for use with existing SE legacy access control environments and must be used with KC2K2SR clamshell card, KI2K2SR ISO smartcard, or KF2K2SR smart fob iCLASS® SE legacy credentials.

## **iCLASS SE readers**

- KR10L mullion
- KR40L single-gang
- KRK40L with keypad

## **iCLASS SE credentials**

- KC2K2SR clamshell card
- KI2K2SR ISO smartcard
- KF2K2SR smart fob



## **Standard security readers and credentials**

### **125 kHz standard frequency**

dormakaba's selection of 125kHz technology readers offer universal compatibility for our 125kHz technology credentials. They are affordable readers featuring multiple mounting options, heartbeat intelligence, and anti-tamper capability and are designed for exclusive use with Keyscan's Present3 and facility lockdown function (firmware may be required). They function with Keyscan and Farpointe 36-bit format credential series.





### **K-PROX3**

125kHz reader

K-PROX3 is a reliable and affordable reader featuring multiple mounting options, heartbeat intelligence, and anti-tamper capability. K-PROX3 offers unique features designed for exclusive use with Keyscan's Present3 and facility lockdown function (firmware or programming may be required). Use with CS125-36 clamshell, PSM-2P-H ISO, PSK-3-H fob, or PDT-1-H tag credentials.



### **K-KPR**

125kHz keypad reader

The Keyscan K-KPR reader and keypad provides a sleek finish with clear LED illumination for access granted and denial indications. Use with CS125-36 clamshell, PSM-2P-H ISO, PSK-3-H fob, or PDT-1-H tag credentials.



### **K-VAN**

125kHz vandal and bullet resistant reader

K-VAN is constructed of a solid stainless steel body and fibertex, bullet resistant technology. It's an ideal proximity reader for indoor or outdoor applications where aggressive behavior, crime or high-threat environments could be expected. Use with CS125-36 clamshell, PSM-2P-H ISO, PSK-3-H fob, or PDT-1-H tag credentials.



### **CS125-36 credential**

125kHz vandal and bullet resistant reader

The Keyscan CS125-36 standard proximity clamshell cards are designed to be used with Keyscan proximity readers K-PROX3, K-PROX2, K-KPR, K-VAN as well as most Farpointe and HID 125kHz technology readers.

## **Farpointe 125 kHz readers and credentials**



### **Farpointe Data 125 kHz series readers**



Keyscan iCLASS SE goes beyond the traditional smartcard model to offer a secure identity data structure based on Secure Identity Object (SIO), a new portable credential methodology. Use with KC2K2SE clamshell card, KI2K2SE ISO smartcard, or KF2K2SE smart fob credentials.

## **Farpointe reader series**

- P-620-H (mullion keypad reader)
- P-710-H (enhanced range reader)
- P-910-H (long-range reader)

## **Farpointe credential series**

- PSM-2P-H ISO card credential
- PSK-3-H fob credential
- PDT-3-H tag credential



### 125 kHz technology readers and credentials

For dealers, integrators and end-users who prefer it, we are a HID Platinum Partner. These readers and credentials seamlessly function with Keyscan access control systems and have a host of features plus a range of stylish cover designs.

#### 125 kHz reader series

- HID-6005B (mini mullion)
- HID-5365 (mini prox)
- HID-5395 (slim line)
- HID-5455 (prox pro)
- HID-5355KP (prox pro with keypad)
- HID-5375 (long-range)

#### Farpointe credential series

- PSM-2P-H ISO card credential
- PSK-3-H fob credential
- PDT-3-H tag credential
- 125 kHz credential series:
- HID C1325 clamshell card
- HID C1386 ISO smartcard
- PROXKEYIII fob
- HID 1391 tag



#### Mobile access credentials

##### Access control solutions for a digitized world

Our Keyscan Mobile Credential brings convenience to commercial facilities secured with Keyscan access control systems. System administrators now have the option to issue mobile credentials and authorize access to entrances, elevators, parking areas and other exit/entry points throughout commercial buildings.

Keyscan Mobile Credential is a cloud-based credential delivery app for use with Keyscan access control systems equipped with mobile compatible readers and Keyscan Aurora software or Keyscan LUNA software. The mobile mindset of today's generation demands choice and convenience. We've become an online, on demand, digitized culture that expects interactive technology to deliver intuitive, self-guided and personalized user experiences.

**K-MOB** – Standard Mobile Credentials are available from your preferred distributor. Function with Aurora or LUNA (any version)

K-MOB-10 (10 pack)

K-MOB-25 (25 pack)  
K-MOB-50 (50 pack)  
K-MOB-100 (100 pack)

**K-BLE** – Registered Mobile Credentials must be purchased direct from dormakaba. The RSA key generated from your software (Aurora 1.0.16 or LUNA 1.0 or later); these credentials are programmed to function only with your software platform.

K-BLE-10 (10 pack)

K-BLE (50 pack)

### Benefits of Keyscan Mobile Credentials

- Non-intrusive with simple one-time mobile device registration.
- Mobile credentials remain secure and protected behind password or biometric security of a mobile device.
- Quick, one-time, on-boarding process for K-MOB standard mobile credentials.
- No manufacturer 'cloud' portal account required.
- User can store up to 10 mobile credentials on a single device.
- Unique site code also available.

### How to Purchase

Standard Keyscan Mobile Credentials can be purchased through Distribution. Contact your preferred distributor for details.

K-BLE Registered mobile credentials requiring the RSA Key generated by Aurora or LUNA software can only be purchased direct from dormakaba. To inquire, contact our mobile credential administrator at 1 888 539-7226.



### Wireless RF access systems

## Keyscan K-RX wireless receiver and transmitters



### Keyscan K-RX Wireless Receiver & Transmitters

The Keyscan K-RX wireless receiver is a good selection for parking garage, gate and other long-range applications. Functions with K-TX2, K-INTX2 or K-TX2-1K (13.56MHz) transmitter fobs from up to 200 feet. Transmitters can also function as a fob within your facility.

### Available receiver and transmitters

- K-RX wireless receiver
- K-TX2 4-button wireless transmitter (HID coil)
- K-INTX2 4- button wireless transmitter (indala coil)
- K-TX2-1K 4- button wireless transmitter (13.56MHz) (for use with K-SMART3, K-SMART and K-SKPR high security readers)
- K-TX2-EV2 4- button wireless transmitter (DESFire EV2) (for use with K-SMART3 high security readers only)
- K-TX2-1KB 4- button wireless transmitter (SRK) (for use with Keyscan SRK readers for use in Multihousing/Lodging integrated applications)



## Wireless, offline and keyless lock systems

### E-Plex Series & PowerPlex 2000



- **E-Plex 7900 wireless & offline RFID locks**

E-Plex 7900 series electronic RFID locks are available in mortise, cylindrical and exit trim options and function with a host of high or low frequency credential options including Keyscan mobile credentials. E-Plex 7900 integrates with both Keyscan Aurora or LUNA software allowing you to augment your access control system with wireless or offline electronic RFID locks. E-Plex 7900 offers reliable security and versatility for any access control applications (programming offline locks with Aurora or LUNA requires M-Unit handheld).

Available models

**E-Plex 7900** :RFID functions with 13.56 MHz smart card credentials see Keyscan Price Book for available models



- (Programming offline locks with Aurora or LUNA requires M-Unit handheld)



- **E-Plex series wireless & offline locks**

E-Plex® series electronic RFID locks integrate with Keyscan Aurora or LUNA software and function with high or low frequency credential options. It is an easy option to augment a Keyscan system with wireless or offline electronic RFID locks using same credentials throughout your facility.

Available model

**E-Plex 5700**:Functions with 125 kHz proximity credentials

see Keyscan Price Book for available credentials

**E-Plex 3700**:Narrowstile model – functions with 125 kHz proximity credentials see Keyscan Price Book for available credentials

(Programming offline locks with Aurora or LUNA requires M-Unit handheld)



- **PowerPlex 2000 keyless self-powered lock**

The self-powered electronic lock generates its own power through PowerStar™ technology, making it the most efficient and versatile electronic lockset available with virtually no maintenance costs. No batteries. No wires. No problems.

PowerPlex puts the power of total access control in your hands.

Available models:

**P2031KK**: Self-powered electronic keyless lock

**P2031KB**:Self-powered electronic keyless lock – No cylinder (Best)

## Control and peripheral products

### Communications and TCP/IP modules



- **NETCOM2P TCP/IP Plug-on Communication Adapter**

Networking a Keyscan access control unit is made easy by using the Keyscan NETCOM2P plug-on adapter.

Designed to plug directly onto the CIM to establish network connection OR can plug directly onto ACU board for

direct network connectivity.

Also available as off-board module with DIP switch settings (NETCOM2). Encrypted version also available AES Rijndael 256 bit (NETCOM6P).



- **CIM (Communications Interlink Module)**

A CAN Bus communication network control module. Designed to provide optimized server to access control unit (ACU) communication and give users a new ACU to ACU network providing inter-panel communication for global functions. The CIM also includes enhanced device-based diagnostics and improved communication speeds.



- **CIM-Link (Global Network Connectivity Module)**

The Keyscan CIM-Link is a TCP/IP companion module, which incorporates multiple CIM CAN Bus communication loops into a single global infrastructure via LAN/WAN network.



- **OCB8 Form C relay board)**

The OCB8 is for use with Keyscan controllers when you need a dry contact closure for auxiliary equipment, such as additional floor control for Keyscan elevator floor controllers. Also allows added auxiliary outputs to Keyscan CA4500 and CA8500 door controllers to trigger response such as sirens, alarms, strobe lights or further restrict access.



- **IOCB1616B Input and Output Expansion Board**

Used for additional input and output capabilities. IOCB1616B provides 16 additional inputs and 16 additional open collector outputs for to CA4500 and CA8500. May be remote mounted up to 4000 ft from the control panel. Ideal for monitoring exit only doors, glass breaks, motion detectors and any other sensing device throughout your Keyscan system. Also available with a separate metal enclosure and power supply board (Part no. IOCB1616).



- **WIEEX2 Wiegand Extender Board**

When circumstances dictate a long cable run between control panel and reader, exceeding 500 feet, rely on the Keyscan WIEEX2 Wiegand Extender. Converts the Wiegand signal to standard RS485 and provides a communication range of up to 4000 feet between WIEEX2 receiver and WIEEX2 transmitter while using standard CAT5 cable between units.

## **Integrated software solutions**

### **Integration is more than the sum of all parts**

- dormakaba has a proven track record of understanding and solving the complex challenges of integrated building access and security. Our goal is to provide sustainable access solutions that create a safety-forward culture for protecting people and property.



- Our suite of access management software platforms are engineered to function in tandem. We offer reliable solutions designed to support the growing demand for integrated access technologies that provide greater connectivity and performance.
- Our comprehensive product portfolios are powerful examples of our dedication to providing premium security and access systems that perform as designed throughout the life of your building.

### **Aurora integration solutions for unique multihousing and lodging applications**

Keyscan Aurora integrates with dormakaba's Community and Ambiance access management software platforms. This integration is designed for unique back-of-the-house access control for multihousing or lodging properties. Whether you are managing a hotel/resort or market rate apartments, privatized student housing or senior living facilities, dormakaba now offers a centralized interface to manage all aspects of property access control from individual living spaces to property perimeter.

- Automatically add or remove resident authorization and access points secured by Keyscan in real-time
- Streamline day-to-day resident access management
- Offers key control from anywhere
- Enhance resident convenience with mobile access
- Easy installation with no additional encoding required



### **SMART elevator systems integration**

Keyscan Aurora systems can also integrate with select SMART elevator passenger management systems from KONE & ThyssenKrupp. These innovative elevator dispatch systems provide huge advantages, including

- Improved efficiency of building and elevator traffic and waiting time
- Grouping passengers, for the same destinations, into the same elevator
- Authenticated Keyscan Aurora user permissions to grant or deny access to destination floors
- Provides full reporting on elevator activity and usage through the Aurora or system reporting structure



### **dormakaba makes access in life smart and secure**

dormakaba's integrated electronic access & data portfolio of products merge security with convenience for occupants while monitoring activities of all visitors to any facility



### **Biometrics**

Keyscan Aurora software now integrates with BioConnect software to give you functionality with biometric readers for your access control system. Biometric security devices provide ultra-high level of security, at the right places, they adjust dynamically to the level of authentication necessary for ever-changing threat levels.



### **Video management systems (VMS)**

This integration module allows Keyscan Aurora software users to access VM software features and/or retrieve video feeds through a viewer in the Aurora interface. When licensed, Keyscan Aurora software interface couples access control and video management into one convenient platform.



### **Active Directory**

Keyscan Aurora features expanded license for Active Directory integration. With the new Keyscan Aurora release, people may be linked to their Active Directory record. Active Directory expedites system user permissions and day-to-day activities with Aurora including addition of people, revoking of access privileges, assignment of site, group permission, and person information synchronization.

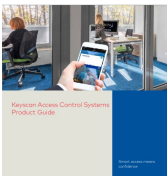
- dormakaba USA Inc. 6161 E. 75th Street Indianapolis, IN 46250
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- 888.539.7226
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## Documents / Resources

	<a href="#">dormakaba Keyscan Access Control System</a> [pdf] User Guide Keyscan Access Control System, Access Control System, Control System, System
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## References

- [User Manual](#)

### Manuals+, Privacy Policy

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