



# Keyscan Access Control Systems Product Guide

Smart access means  
confidence

# Keyscan Networked Access Control Solutions

## Security. Sustainability. Reliability.

dormakaba stands for security, sustainability and reliability. 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 exceed your demands and expectations. The commitment to develop innovative yet practical products is what differentiates dormakaba. Our Keyscan networked access control solutions are powerful examples of our dedication to providing premium access control systems that perform as designed throughout the life of your building.

*"The commitment to develop innovative yet practical solutions is what differentiates dormakaba."*

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 trust dormakaba for exceptional product support, including installation, retrofit, replacement and maintenance.

We will continue to deliver systems that define security and convenience. Together with first class aftermarket sales and technical support, our priority will always be adding value for our customers and esteem to our brands.



# Keyscan Aurora Access Control Management Software

Our passion for developing high performing software solutions is the cornerstone of dormakaba's approach to access control. We combine technology with functionality to form a holistic concept with a high level of safety, control and efficiency—making access in life, smart and secure.

Technology is the common thread in optimizing access control systems. With an emphasis on innovation and sustainability, dormakaba's Keyscan Aurora access control software is a high-performance software platform. With many features and integration options, it provides a single software solution for access control with no performance-limiting or system expansion governors or recurring fees. Keyscan Aurora is ideal for any access control applications regardless of size or complexity.

Advanced features include managing, auditing and controlling door and elevator floor access as well as integration support for wireless locks and SMART elevator system technologies. Aurora can support a hybrid hardwired and E-Plex wireless system with full control and audit capability, using the same credentials throughout your facility.

Aurora delivers impressive capabilities, features and support such as:

- VMS Integration with Milestone, Avigilon, OnSSI, i3 International, Salient Systems, Exacq, OpenEye and more
- E-Plex and select Schlage wireless locks integration
- Active Directory integration
- Support for Keyscan and HID mobile access solutions
- SMART elevator system integration
- Aurora web client interface
- Centrally managed access control
- Upgrade to full SQL server
- Optional licensed and add-on modules for enhanced and added functionality
- Ten (10) assigned groups to a single credential holder
- Support for 45,000 credentials (up to 90,000\*)
- People-centric methodology
- Unlimited user-definable fields
- Optional licensed Software Development Kit (SDK)
- English, French, Spanish and Portuguese language support

\*Hardware option available upon special order.



**01** Aurora Schedules



**02** People-centric interface



**03** Multi-language support



**04** Wireless lock integration



**05** Active mapping with integrated floor plans



**06** VMS and CCTV integration

# Door Controllers

Keyscan door controllers give you unmatched access control system design flexibility. Our Keyscan CA series access control units will satisfy virtually any new access control system application or augment any existing Keyscan systems while, in many cases, utilizing existing infrastructure including credentials.

## Keyscan CA series door controllers feature:

- Network TCP/IP ready (with NETCOM)
- Easily configurable reader settings supporting many Wiegand protocols
- Up to 6000 transactions retained in transaction buffer
- Auto-transfer protocol uploads transaction buffer when communication is re-established after an interruption
- Dual processors
- Expanded flash memory allows for 45,000 credentials (90,000 with special order hardware)
- Lock down and global communication among multiple ACUs, server and sites (requires CIMs and CIM Link)
- Removable terminal blocks
- Accommodates 512 time schedules and 511 group levels
- Multiple inputs and outputs for expansion capability



**CA8500 8-reader access control unit**

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



**CA4500 4-reader access control unit**

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



**CA250 2-reader access control unit**

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

## CA150 – Single Door PoE Equipped 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 powers reader, strike, and other auxiliary devices, up to 680mA.
- DHCP supported
- Dual Processors
- Flash Memory
- Two reader ports



# Elevator Floor Controllers

The Keyscan EC series elevator floor controllers are designed to secure office or residential floors by prompting credential holders to present their assigned credential when using an elevator. Our elevator floor controllers leverage the same architecture and software as the CA series door controllers.

**Keyscan EC series door controllers feature:**

- Network TCP/IP ready (with NETCOM)
- Easily configurable reader settings supporting many Wiegand protocols
- Up to 6000 transactions retained in transaction buffer
- Auto-transfer protocol uploads transaction buffer when communication is re-established after an interruption
- Dual processors
- Expanded flash memory allows for 45,000 credentials (90,000 with special order hardware)
- Global communication among multiple ACU/ECUs, server and sites (requires CIMs and CIM Link)
- Removable terminal blocks
- Accommodates 512 time schedules and 511 group levels
- Multiple inputs and outputs for expansion capability



**EC2500  
2 Cab Elevator Floor  
Access Control Unit**

Supports 2 Cabs with 2 readers  
(8-floor control, expandable to 16 with optional OCB8 relay boards)

Includes:

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

Best suited for two elevators servicing all floors and does not require individual unique control (eg: service elevator)



**EC1500  
1 Cab Elevator Floor  
Access Control Unit**

(8-floor control, expandable to 40 with optional OCB8 relay boards)

Includes:

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

Best suited for elevator banks that require unique floor control such as service elevators.



**SMART elevator system integration**

Keyscan systems can also integrate with select SMART elevator passenger management systems from KONE. These innovative elevator dispatch systems manage building traffic by grouping passengers, for the same destinations, into the same elevator.

- Improves efficiency of building and elevator traffic.
- Reduces waiting and travel times.
- Passengers present their existing Keyscan credential to an elevator kiosk to utilize the system.
- Keyscan Aurora authenticates user permissions and floor access to grant or deny access to destination floors.
- Provides a full report on all elevator activity through Keyscan Aurora reporting structure.

Contact your Regional Sales Manager for full details and requirements.



# Keyscan 13.56MHz Reader Series



## K-SMART3 Mobile-Ready Reader

K-SMART3 offers unrivalled performance and reliability when coupled with Keyscan K-SECURE credential series featuring Keyscan's proprietary elite key and 36-bit formats for enhanced reader and credential encryption. K-SMART3 means high-caliber access control with the freedom to use smart cards or your smartphone.

- Compatible with legacy K-SMART readers using K-SECURE 1K & 4K credentials; as well as ISO 14443 contactless non-proprietary smartcards (reading card serial number only).
- Support for Keyscan mobile credentials with no added programming.
- Will function with non-Keyscan access control systems\*.
- Simple 2 in 1 unit supports mullion or single gang installation applications.

\* Dedicated features must be turned off using K-PC-2 programming card when used with Keyscan PC1095 panels or all non-Keyscan systems.



## K-SKPR Smartcard Reader & Keypad

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.

- Built-in support for smartcard security and encryption
- Keypad offers dual verification security
- A built-in "heartbeat" monitors reader communication advising end-users if any type of tamper or malfunction is detected
- Designed to function with Keyscan K-SECURE 1K and 4K, K-SF-1K, K-TX2-1K or ISO 14443 (CSN) type credentials.



## K-SMART Smart Card Reader

This Keyscan contactless smartcard reader offers users the convenience of a contactless credential with the enhanced security that only a smartcard reader and credential combination can offer.

- Built-in support for smartcard security and encryption
- A built-in "heartbeat" monitors reader communication advising end-users if any type of tamper or malfunction is detected
- Designed to function with Keyscan K-SECURE 1K/4K, K-SF-1K, K-TX2-1K or ISO 14443 type credentials.