



# Keyscan Aurora software guide

Smart access means  
seamless integration

# Keyscan Aurora access control management software

The flagship Keyscan Aurora access control management software is an innovative high-performance software platform laden with features. It provides a single software solution with robust integration options with many third-party platforms. Keyscan Aurora is the culmination of over 25 years of dedication to electronic access control.

Keyscan Aurora software will drive Keyscan access control systems, regardless of size or complexity, from one door in a single location, to thousands of doors and users in multiple locations around the world. Advanced functions include managing, auditing and controlling door and elevator floor access as well as wireless lock integration, using the same credential throughout your facility.

Keyscan Aurora leverages the expanded processing power and capabilities of the newest line of Keyscan access control units. And, with its redesigned interface, Aurora delivers a whole new and user-friendly experience.

Aurora delivers impressive capabilities and features such as:

- VMS Integration with Milestone, Avigilon, OnSSI, i3 International, Salient Systems, Exacq, OpenEye and more.
- Active Directory integration
- Aurora web client interface
- Integrates with E-Plex wireless locks
- Integrates with select third-party wireless locks
- 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 allows multiple credentials assignable to a single person
- Unlimited user-definable fields
- Impressive global communication (with CIM and CIM-Link)
- Optional licenced Software Development Kit (SDK) available
- English, French, Spanish and Portuguese language support

With no performance-limiting governors or recurring fees, Keyscan Aurora is ideal for small and mid-size access control installations. It can also comfortably support the demands of large, multi-faceted and corporate enterprise-caliber access control deployments.

\* Hardware option available upon special order.





**01**  
**VMS Integration**

Keyscan Aurora features robust integration support for many of the top name VMS, DVR and NVR systems. Among the integration options include Milestone, OnSSI, i3 International, Exacq, Open Eye CCTV and E-Series, Salient Systems, Avigilon, and a generic option for manufacturers conforming to the Keyscan specification.



**02**  
**Wireless lock integration**

Keyscan Aurora 1.0.14 integrates natively with E-Plex wireless locks giving you a true hybrid access control solution using the same credentials with Keyscan access control systems and E-Plex wireless locks. Keyscan Aurora will also integrate with other third-party wireless locks. Contact Keyscan for details.



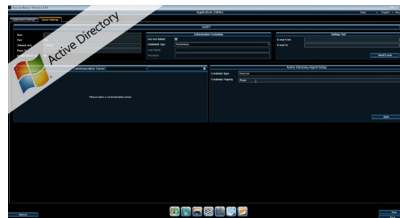
**03**  
**Facility Lock Down**

Aurora allows administrators to trigger a full or partial facility lock down on a moment's notice from any Aurora client, system reader or even by depressing an integrated panic button. This feature offers maximum protection and activation versatility for schools, laboratories or any facility where a threat or hazardous material response plan is demanded.



**04**  
**Photobadging**

This module is included with the base Aurora software. Used to increase facility security by making access badges and card credentials less transferable. You can also capture and import photos and create unique identification badge templates for your facility. It can also trigger images of users to appear on-screen whenever a credential is presented to a reader.



**05**  
**Active Directory**

With Active Directory integration, Aurora users can be linked to their Active Directory record. This offers exceptional login efficiency and expedites system user permissions and day-to-day activities with Aurora. It also offers maximum login control and maintenance for IT departments.



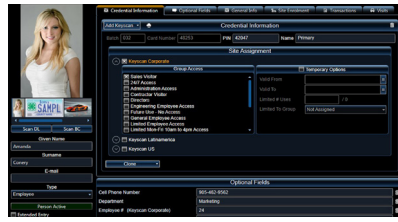
**06**  
**Multi-Threaded Communication**

Keyscan Aurora's communication structure provides simultaneous communication to all IP nodes. Combined with several other communication structure optimizations, Aurora delivers fast and efficient transfers of all software changes to Keyscan access control units.



**07**  
**Schedule Management**

Setting and editing schedules (time zones) has never been easier. Using Aurora's new schedule feature, you can create, edit or merge schedules with 'click and drag' simplicity in just a few seconds. Aurora performs the scheduling tasks in the background. Plus, the seven-day visual interface promotes quick-glance assuredness when setting or monitoring schedules.



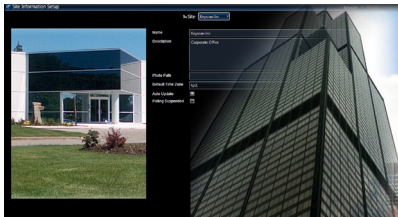
**08**  
**People Management**

The people-centric interface simplifies database maintenance by assigning data and permissions to a person. Aurora now provides the ability to upload and attach multiple photos, an unlimited number of optional user-defined fields, assign multiple credentials and much more all within a single user profile. Site permissions, visitor management, photobadging and live transaction logging can be viewed or managed from a single convenient screen.



**09**  
**Status Widgets**

Designed to maximize custom view preferences set by the user. Aurora users can tailor what Aurora status windows to display and size them to suit their display configuration for fast reference and monitoring tasks. Status widgets can function on a single monitor and is ideal for multiple monitor configurations.



**10**  
**Site Management**

Aurora allows you the ability to create and manage a person's data through a single people management screen, across multiple sites or locations. This increases productivity by allowing site-by-site partitioning without extraneous efforts. It is ideal for large system deployments with multiple sites and locations.



**11**  
**Multi-language Support**

Keyscan Aurora offers support for English, French, Spanish and Portuguese language user interfaces.



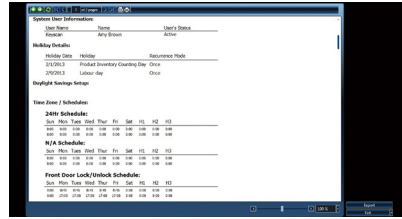
**12**  
**Active Mapping with Integrated Floor Plans**

Active mapping provides visual representation and control using floor plans and device icons. The feature allows door status, alarm points, input status and IP cameras to be incorporated and activated on the map. The mapping editor and navigating tools makes it an intuitive platform for access control and mapping integration.



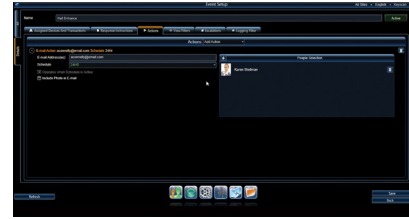
### 13 Global Communication

Utilizing Communication Interlink Modules (CIM) and the CAN Bus protocol, Aurora offers advanced Global Communication capability. Panels independently communicate schedule toggling, anti-passback status, input and output triggering as well as the lock down capability across all interconnected panels.



### 14 System Task Scheduling

A quick and easy to set up scheduling feature will automatically back up the system database or generate transaction reports as you specify. When you complete the time and days of the week to run a backup of the database or run the transaction report, Aurora will take care of the rest. Aurora can also email a PDF version of the transaction report and/or email a confirmation notice when the activity has been performed.



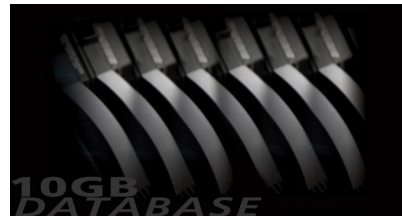
### 15 Event Management

Users can set 'event and response' actions with a priority sequence. When set, events such as intrusion, low battery or even unauthorized access attempts will generate a response in accordance with the set priority sequence. This includes automated email notification to authorized staff.



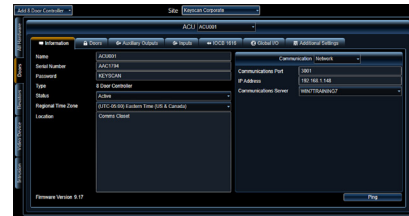
### 16 Software Installation

Aurora has a simplified procedure to make installation efficient and easy. Once installed, there's a convenient one-time online registration process to unlock Aurora and any subsequent Add-On and Optional Licensed modules.



### 17 Expandable Database

Aurora is built with a robust database platform with 10GB available. It supports full Microsoft SQL for even larger databases. The platform is optimized to ensure the highest level of performance and speed.



### 18 Hardware Setup and Management

Conveniently configure and review all door and elevator floor hardware along with all auxiliary outputs, inputs, IOCB1616 settings, global I/O and additional settings all from one consolidated setup screen.



### 19 Visitor Management

Included with the base Aurora software, you can easily schedule, track and generate full reports on all visitors to your facility. Plus, with Aurora Photobadging you can make visitors identifiable with printed access cards, or adhesive ID badges printed from any Aurora client. (printer sold separately)




# Keyscan Aurora Add-On and Optional Licensed Modules

Keyscan Aurora software features add-on and optional licensed modules designed for software integration and enhanced overall system functionality

## Add-On Modules

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



**01 Aurora Web-Client (web-based access control)**  
Aurora's web-client interface add-on allows you limited management of your access control system for any of your facilities at anytime, from any location, using any web-enabled computer or mobile device. It remains the ideal solution for those who need mobility.




**02 Aurora SQL Upgrade**  
Aurora supports upgrading to a full SQL database removing the 10 GB limit and giving you many more options, features and benefits. Requires server, OS and appropriate licensing for SQL Server 2012.

## Optional Licensed Modules

Aurora optional licensed modules are installed during the Aurora installation process. To activate any optional licensed module for use, you need to register a module's license number provided when you purchase the module.



**01 Video Management Software Integration (VMS)**  
Aurora offers a new and robust VMS platform integration\*. When licensed, allows Aurora users to open and use client software from leading manufacturers such as Milestone, Avigilon, i3 International, OnSSI, Open Eye, Salient, and Exacq.



**02 Intrusion Integration**  
Aurora allows increased integration with DSC MAXSYS and PowerSeries intrusion panels\*. Aurora is designed to accommodate other leading intrusion or security product lines such as the DMP XR550DN series as well as providing Aurora users with even more versatility.

## Other Optional Licensed Modules

- Active Directory Integration
- Software Developers Kit
- Additional Client/Web License
- Additional Client/Web License 5-pack
- Additional Client/Web License 10-pack
- Reverse Network Single
- Reverse Network 5-pack
- Reverse Network 10-pack

Contact your Electronic Access and Data (EAD) Regional Sales Manager for more information on available Keyscan Aurora Optional Licensed and Add On Modules.

\*May require additional hardware and software. Does not support PowerSeries Neo

## The Keyscan Aurora User Interface

The Aurora user interface has been completely redesigned to enhance productivity and save time. This functionality is found with Aurora's new quick-launch buttons.



### People Management

This section provides access to all functions required to add, edit and manage your database of credential-holders, visitors, documents, credentials and access levels assigned.



### System Settings Management

Perform system maintenance and day-to-day tasks such as adding, editing and managing system users, optional information fields, holidays, card design templates, application utilities and data import/export options.



### Site Settings Management

Site setting preferences allow you to quickly program and edit new or existing site information, program new and existing hardware, add optional information fields, manage groups, Present3 commands, active maps and floor plans.



### Video Integration

This optional module allows video management, IP camera and DVR/NVR integration from leading manufacturers. Plus, continued support for multi-monitor capability continues to be an ideal solution for workspace environments and monitoring stations.



### System Status Management

System Status preference is where Aurora users can set, customize and/or view status of all devices, enforce a lock down and search for various transactions.



### Active Mapping and Floor Plans

This section allows you to open and interact with active maps and floor plans for one or all of your sites in Keyscan Aurora. Active mapping supports 2D and 3D maps and/or master floor plans.

 Windows 10



### OS Support

Aurora operates in Windows 7, Windows 8, Windows 10 (professional) Windows Server 2008 R2 and 2012 environments. For full PC and operating system specifications, visit [www.keyscan.ca](http://www.keyscan.ca).

### Aurora Hardware Compatibility

Is your Keyscan access control hardware Aurora ready? If you purchased and installed "blue" Keyscan ACU Boards with firmware version 9.20 or higher, your hardware is compatible to run Aurora. Otherwise, you require a system firmware chip upgrade. For more information on door and elevator floor controllers, contact your EAD regional sales manager or visit our website at [www.keyscan.ca](http://www.keyscan.ca)



Contact your Electronic Access and Data Regional Sales Manager or call 1.888.539.7226 to get your copy of Keyscan Aurora Access Control Management Software.

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## Keyscan Access Control Unit Features

Access Control Unit	CA150	CA250	CA4500	CA8500	EC1500	EC2500
Doors/Elevator Floors Supported	1 door	2 doors	4 doors	8 doors	1 cab (up to 40 flrs)	2 cabs (up to 16 flrs)
Reader Ports	2 (in/out)	2	4	8	1	2
Multi ACU Compatibility	Yes (Ethernet)	Yes	Yes	Yes	Yes	Yes
System Status LEDs	Yes	Yes	Yes	Yes	Yes	Yes
Dual Processors	Yes	Yes	Yes	Yes	Yes	Yes
Flash Memory	Yes	Yes	Yes	Yes	Yes	Yes
Power Fail Output	NA	Yes	Yes	Yes	Yes	Yes
Floor Monitor Inputs (supervised)	NA	NA	NA	NA	Yes	Yes
<b>Inputs</b>						
Request to Exit (RTE) Inputs (supervised)	1	2	4	8	NA	NA
Door Contact Inputs	1	2	4	8	NA	NA
Auxiliary Inputs (supervised)	2	8	16	16	NA	NA
I/O Input Expansion (with IOCB1616)	NA	NA	64	64	NA	NA
<b>Outputs</b>						
Auxiliary Output Relays	1	2	4	8	NA	NA
Expansion Auxiliary Output Relays	NA	NA	8	8	NA	NA
I/O Outputs (with IOCB1616)	NA	NA	64	64	NA	NA
Door Output Relays	1	2	4	8	NA	NA
<b>Capacity</b>						
No. of Credential-holders	45,000 (90,000*)	45,000 (90,000*)	45,000 (90,000*)	45,000 (90,000*)	45,000 (90,000*)	45,000 (90,000*)
Transaction File Buffer	6000	6000	6000	6000	6000	6000
Schedules	256	256	256	256	256	256
Blocks	512	512	512	512	512	512
Group Levels	511	511	511	511	511	511
Holiday Dates	64	64	64	64	64	64
<b>Connectivity</b>						
Ethernet Ready	Equipped	Optional	Optional	Optional	Optional	Optional
PoE - Power over Ethernet* (IEEE 802.3af)	Equipped	NA	NA	NA	NA	NA
Global Integration ((CIM Required)	Network/ Server Dependent	Capable	Capable	Capable	Capable	Capable
CMAC Reverse IP	Equipped	Optional	Optional	Optional	Optional	Optional
Serial Communication	Yes	Yes	Yes	Yes	Yes	Yes



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