What’s new in Version 1.0.20.0

**New Features – REQUIRED NEW FIRMWARE**
- Added FPI Group Range.
- Added Block Holidays.
- Added Has Lockdown Access - Deny access when lockdown is initiated. Also, requires Enhanced Lockdown License.

Aurora Client
- Added the ability to add BEST Wiegand cards to the system from “Card Not In ACU” Transactions.
- Added BEST Available Guest Credentials Report.
- Added ability to disable Active Directory Agent sync.
- Added the ability to copy credential site settings to other sites.
- Added the ability to copy group names and configuration from one site to others.
- Added BEST Credential History Report.
- Added Auto close of Aurora Client option.
- Added a setting for an automatic close timer after a configurable number of minutes of inactivity.
- Added ability to search for the people without credentials on Bulk Update People.
- Added ability to search for credentials unused since selected date in Bulk Update Credentials.
- Added ability to bulk update temporary options for multiple sites instead of one site.
- Added ability to bulk clear temporary options for multiple sites instead of one site.
- Added missing localization when the card number is not valid.
- Added a pop-up on login that directs the user to the help if the database size is over the limit when not using Full SQL.
- Added public X.509 v3 Server Certificate Export Option.
- Added Disaster Recovery option to reset transaction pointers.
- Added option to display if the panel currently has a holiday active via the Access Control Unit Status widget.
- Added Keyscan Aurora Client version when writing to Windows Event Log.
- Added scheduled database backup during the Aurora install with default run on Saturday at 2 am and Delete Backup Older than # days set to 30 days.
- Added scheduled database backup with default run on Saturday at 2 am and Delete Backup Older than # days set to 30 days for all existing Aurora setups that do not have the scheduled database backup.
- Added the ability to export the selected people in People Information Report in csv format.
- Added the BEST door group type information to the hardware setup screen so that the user can see the type of BEST door group they are working with regardless of which tab they are viewing.
- Added support for the new V Series Proximity-PIN Dual Validation lock in Aurora.
- Added a constraint that restricts the number of Guest-Enabled card formats to 1 per Guest Door Group.
- Added user friendly error messages for the BEST Card Format List validation errors.
- Added a message that is displayed when copying temporary group setting, and the user has specified that they do not want to copy groups.
- Added the ability to provide what should be done when copying BEST Options to sites for a credential: only overwrite and do-nothing options supported at this time because all settings are true/false values.
- Updated the Aurora Desktop application to use the .NET Framework version 4.7.2.
• Changed the message displayed when the user can no longer view or edit because they have been removed from the site or the site has been deleted.
• Changed the Copy Groups feature to add a message that informs the user that the information being copied is for all groups and it will overwrite the group information in the sites being copied to.
• Changed logging of all Active Directory Agent setup field changes to be logged in Basic and Enhanced logging level.
• Changed the clone schedules feature to allow the schedule to be cloned to multiple sites.
• Changed the clone schedule feature so that the schedule’s name is cloned.
• Changed the cloned schedule feature so that the new schedules are automatically saved in the new site.
• Changed the clone schedules feature so that the "Global Message" property for Keyscan schedule-types is also cloned.
• Changed the Person tabs (Visits & Transactions) to load information only when tab is selected.
• Changed Bulk Update to separate bulk update for the people and credentials.
• Changed E-Plex signal strength to match the M-Unit values (Good, OK, Weak).
• Changed Global I/O ability to pick panels from different sites.
• Changed the copy Temporary Group setting so that if groups are not being copied, and the group applied as the Temporary Group is not assigned to the credential for the site already, the group will be added to the assigned groups.
• Changed the schedule search grid to show a blank value for the First Person In column if the schedule type is BEST.
• Changed the hardware screen so that BEST doors are sorted to match the order in which they are added.
• Changed the check to see if any BEST lock has exceeded the maximum number of credentials that can be assigned to include pre-populated guest cards, and guest cards with N/A group access levels assigned.
• Changed BEST Door Credential Assignment report to include pre-populated guest credentials in the count of credentials assigned to the door.
• Changed View and Edit Inputs permissions name to View and Edit Auxiliary Inputs permissions.
• Changed csv export in Reader Access Report to show only people with active credentials (if selected).
• Changed the Card Format screen so that if the user indicates that the card format is Guest Enabled, the track automatically changes to track 3 for encoding unless it had been set by the user previously to something different.
• Changed message in Database Maintenance when calculating first and last transaction date if selected site(s) have no transactions.
• Modified to allow the copy Credential Site Settings feature to work with existing credentials as well as new.
• Modified BEST export to limit error messages to 5 lines per problem with an indication of the number of additional error messages not shown.
• Modified the BEST export function so that proper error messages can be displayed to the user about whether the export succeeded and added logs for unexpected errors for troubleshooting.
• Modified the BEST export to pre-populate guest locks with guest credentials, as well as corrected problems synchronizing guest credentials issue code information for deleted guest credentials.
• Modified the timeout values in bulk update functions for people and credentials.
Keyscan Aurora Software

- Modified the unregistered software message so that it is only displayed after a connection can be established with the database.
- Corrected a problem that occurred when navigating back to person page after the person was deleted that caused the application to report something unexpected occurred.
- Corrected a problem that occurred when navigating back to site information page after the site was deleted that caused the application to report something unexpected occurred.
- Corrected a problem that caused the “Not Used” option to vanish if both a template and back template were selected in user preferences.
- Corrected a problem in User Preferences failed to display new card templates as options in Default Print Card Templates if user preferences were opened first and card templates added later.
- Corrected a problem validating card & batch card types that should not contain HEX values in batch field.
- Corrected a problem that displayed BEST Guest Common Doors in the Guest Access for a credential and displayed doors that did not belong to the site.
- Corrected issue of schedule without time periods not shown in Site Setup Report.
- Corrected a problem retrieving the room that a BEST guest credential has direct guest access to if the card number matches the BEST guest start number for a door.
- Corrected issue in Enhanced Lockdown when Master user does not have Can Lockdown permission.
- Corrected issue of updating from Aurora version prior to 1.0.15.0 if there is significant amount of transactions.
- Corrected issue of Aurora crashing and log file not showing in Import people when credential number is not valid.
- Corrected issue of bulk update crashing when bulk adding the credentials to the groups on the sites that credential already has groups assigned to and credential PIN is not set (Duplicate PIN issue error message was shown).
- Corrected deletion issue of credentials in Bulk Update if no site is selected and all credentials check box is selected.
- Corrected a problem in the BEST export that caused locksets to follow schedule hours defined for holiday type 1 and holiday type 2 on holidays configured as type 3.
- Corrected a problem cloning a credential that failed to copy the temporary group assignment to the new credential in enterprise licensed systems.
- Corrected a problem running Aurora with some Windows 10 themes that displayed selected, unfocused list items with a white background and white text.
- Corrected a problem copying and pasting blocks of time for new and existing schedules that caused the pasted block to be incorrectly pasted to Sunday.
- Corrected a problem that prevented the user from using the scroll bar in the Add Hardware drop down menu to select an item at the bottom of the list.
- Corrected a problem in editing BEST Card Formats that would sometimes display the validation message pertaining to Wiegand card number length for a Magnetic Stripe card format.
- Corrected a problem in the Aurora Desktop application that prevented user preference information from updating upon hitting the refresh button.
- Corrected a problem that displayed a successful message for a BEST export that failed.
- Corrected a problem that sometimes caused BEST Door Groups to fail to save when changes were made to card format assignments.
Keyscan Aurora Software

- Corrected a backwards compatibility problem saving site holidays using an Aurora Client running version 1.0.17.0 against a system that has been upgraded to 1.0.18.0 or 1.0.19.0
- Corrected a problem that would not correctly save an Elevator bank change.
- Corrected csv export in Reader Access Report to include only active credentials when Include people with active credentials check box is selected.
- Corrected issue when Master user without Delete Hardware Permission attempts to delete the site.
- Corrected issue when user with Add Visit but without Edit Visit permission tries to edit just added visit.
- Corrected issue when user with Edit Hardware permission but without Edit Inputs permission can edit inputs.
- Corrected issue when user without Edit Partitions can edit intrusion partitions.
- Corrected a problem in calculating the Next Guest Start Number when copying an existing guest BEST door with ranges from one door group to a new door group that has no doors yet.
- Corrected an issue on the Software Registration screen that cut off the Enterprise Lockout License name running the Aurora Desktop Application in lowest resolution.
- Corrected a problem in the copy credential site settings that failed to copy the limited uses value if it was set and focus was not removed from the field.
- Corrected a problem validating credential with no groups assigned to it for new credentials with new credential site assignments.
- Corrected a problem in the Copy Credential Site Settings that occurred if the system has the enterprise license registered and the credential site settings being copied had no temporary group applied to it.
- Corrected a problem that failed to clear the temporary group during the copy credential settings operation if overwrite temporary settings was selected.
- Corrected issue of underscore in group name not shown in Person page.
- Corrected problems related to hiding/showing copy controls based on credential type in the Copy Credential Site Settings feature.
- Improved the time it takes to save BEST Door Groups when making changes to card format assignments.

Aurora SDK

- The Aurora SDK has been updated to use utilize the .NET Framework version 4.7.2.
- To avoid incompatibility problems across the Aurora product line, the underlying components used by the Aurora SDK have been compiled to target an x86 platform. This is especially important to note for any integration applications using the SDK hosted under IIS since it may be necessary to create an application pool that has 32 Bit applications enabled and uses an appropriate ASP.NET framework version to support the 4.7.2 .NET Framework version requirement.
- Modified the login process so that the SDK checks if it can connect to the database before proceeding.
- Corrected a backwards compatibility issue that would sometimes fail to authenticate a user with valid credentials after the SDK updated the database to the version required to support it until the SDK was fully unloaded and reloaded after the update.
- Corrected a problem that reported that the SDK license is not registered when the SDK fails to connect to the Aurora Database.
- Corrected a problem that would fail to detect a registered SDK license if the license was registered with Aurora after the SDK was loaded.
Keyscan Aurora Software

Aurora Migration Tool
• Clear invalid dual custody settings when groups are not set for the specified modes.

Aurora Web Client
• Added the ability to copy credential site settings from to other sites for new credentials.
• Added the ability to see and change Has Lockdown Access to web.
• Added message stating the user will not be logged out due to inactivity on status screens when they are automatically refreshing.
• Add the ability to set the User Preference that enables/disables adding new credentials to all sites the person is enrolled.
• Added support for copying BEST properties when copying credential settings by site information.
• Added support for the "Do Nothing" option when copying credential settings by site information.
• Added support for copying credential settings by site information for existing.
• Updated JavaScript resources to jQuery 3.3.1.
• Updated the Aurora Web application to use the .NET Framework version 4.7.2.
• Updated the Aurora Web application to use MVC 5.
• Updated Web resources to match latest Aurora Desktop resources.
• Corrected a problem in the E-Plex Group Access Levels page that treated E-Plex doors like a Reader.
• Corrected a problem that prevented user preference information from updating upon hitting the refresh button.
• Corrected a problem with backwards compatibility that occasionally occurred in the Aurora Web application was corrected in a special case when the Aurora Web client was used to update the Aurora Database and the result would be that the user that caused this to happen would not be able to log in with valid credentials.
• Corrected a problem that prevented customers from adding mobile credentials introduced in version 1.0.19.0.
• Modified Aurora Web styles and controls to accommodate MVC 5 controls and updated jQuery resources.
• Modified the E-Plex status page so that it displays the updated signal strength values.
• Modified to allow the copy Credential Site Settings feature to work with existing credentials as well as new.
• Applied correction for BEST room availability bug fix in base class library.
• The Aurora Web application has been modified so that it will detect a recently registered Web License in Aurora without needing to restart the webserver after the license was registered.

Aurora Communications
• Changes to support new firmware options.

Aurora Agent
• Added clean-up of software connections that have been inactive for 10 minutes.
• Added Keyscan Aurora Agent version when writing to Windows Event Log.
• Changed clean-up of inactive software connections at the start of the agent from 20 to 10 minutes.
• Removed clean-up of inactive software connections at midnight.
E-Plex Communications
- New E-Plex Server & HMS Services.

Aurora Enhanced Lockdown
- Added option to disable lockdown.

Aurora Database Maintenance
- Added the ability to clear the transactions in chunks.
- Added the ability to see software connections.
- Added the error trapping when SQL Server is updated successfully.
- Added Keyscan Aurora Database Maintenance version when writing to Windows Event Log.
- Modified Database Maintenance application to not use a Client License during login process.