Feature Description Document

Configuring IXM Link for Schneider

Purpose

This document outlines the process of configuring IXM Link to sync users between Invixium's IXM WEB and Schneider's access control system – Access Expert.

Applies to

TITAN	TFACE	TOUCH 2	SENSE 2	MERGE 2	MYCRO
All Devices	All Devices	All Devices	All Devices	All Devices	All Devices

Description

IXM Link is a licensed module in IXM WEB that helps to synchronize the user database between IXM WEB (from where biometric enrollment for users is performed) and leading Access Control Panel Software (from where access rules for the users and the organization are managed).

This FDD will describe how to set up and configure IXM Link if you are using Schneider's Access Expert to keep IXM WEB users in sync with Access Expert by using its APIs to import and export users and their cards.

Schneider Module Activation

The option to activate Schneider (Access Expert) License is available under the **License** tab.

STEP 1

Select **Settings** icon on top right of the page >> Click on **About IXM WEB** >> Click on **copy to clipboard** button next to **MACHINE KEY.**

Request a **License** by sending email to support@invixium.com. Paste the copied machine key in the email.
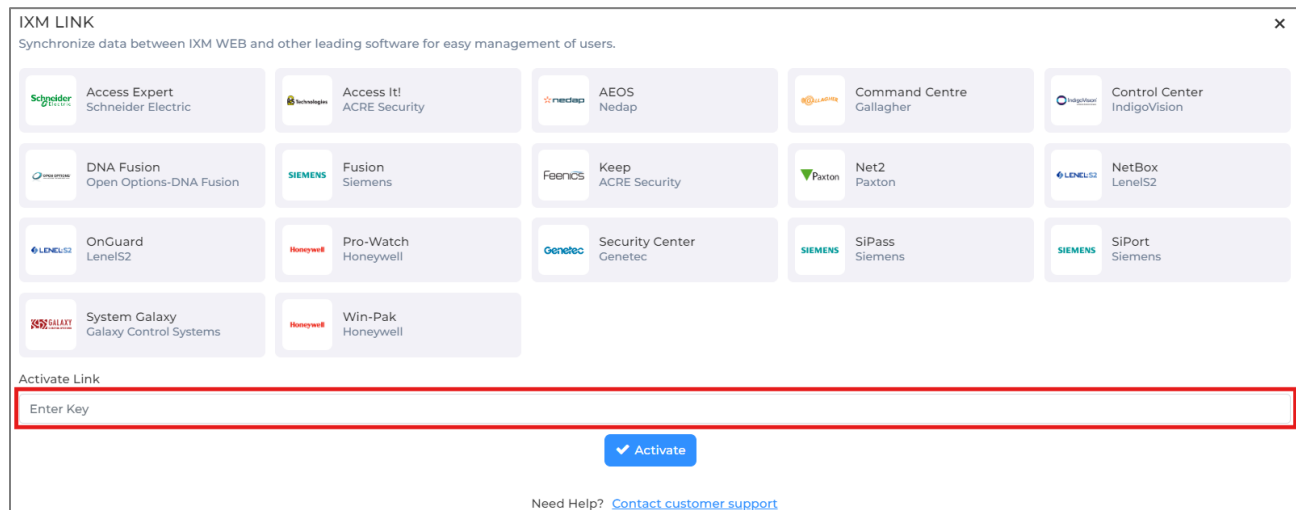
STEP 2

You will receive an email from Invixium Support containing a license key for Schneider (Access Expert) Activation.
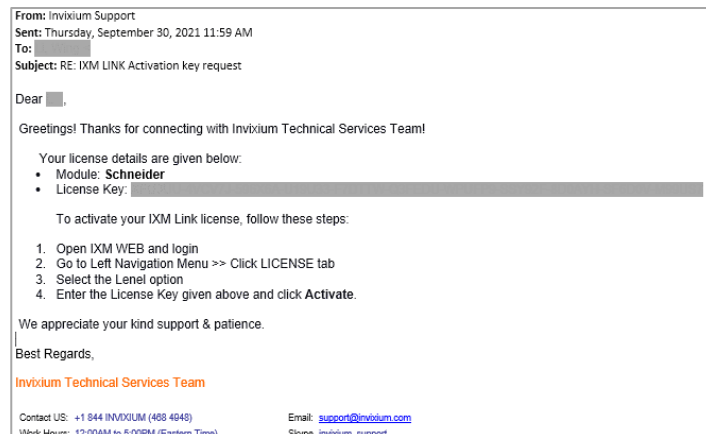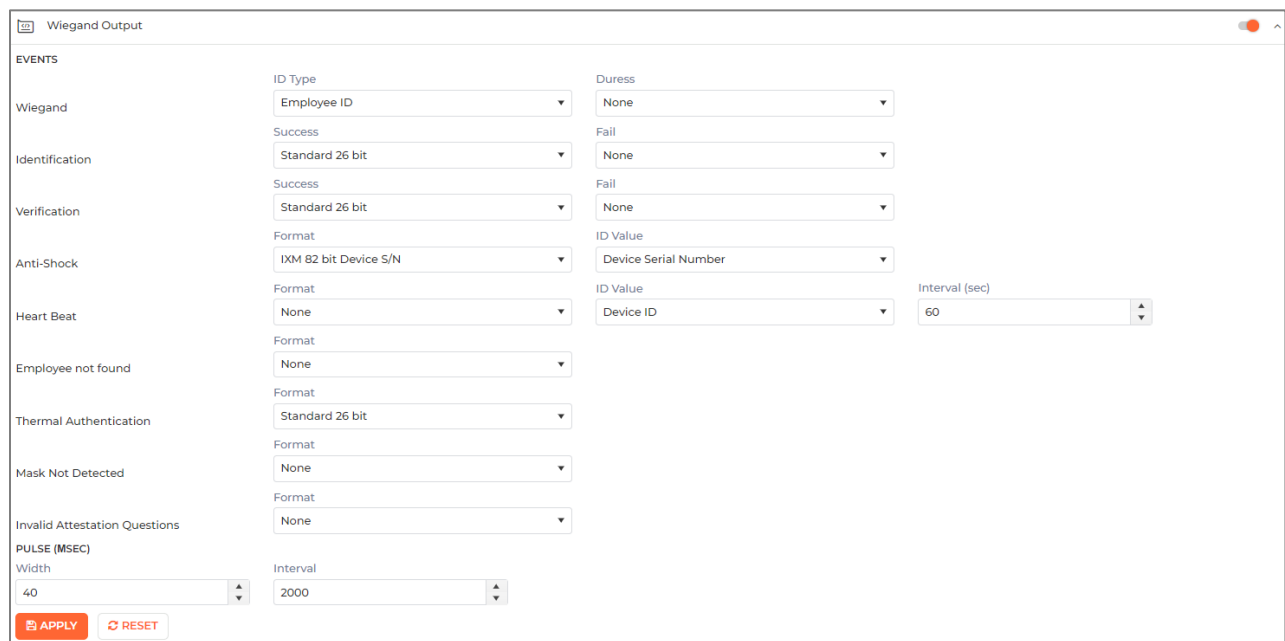

STEP 3

Navigate to **License** → Click on **IXM LINK** → **Copy** and **paste** the License Key in the box provided, and then select **Activate**.

IXM WEB is now licensed for use with Schneider and configuration can begin.

Configuring Wiegand to Output Schneider

1. Register all IXM devices.

2. From **Devices** tab, select any device.

3. Navigate to the **Access Control** tab.

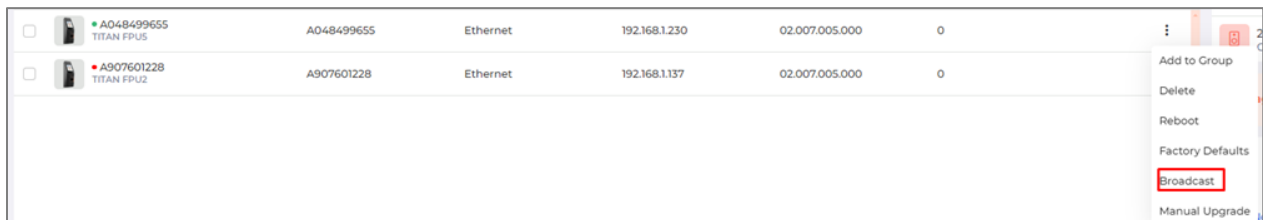4. Scroll down and click on **Wiegand Output**.

5. Toggle the switch on the top right-hand side to enable Wiegand Output for the device.

6. Set ID Type of output Wiegand to Employee ID/Default/Actual Card. By default, Employee ID is selected in Wiegand Event.

    Note: For fingerprint and face access, default card Wiegand output data will be generated

7. Select desired format for Identification, Verification, Employees not found, Thermal Authentication and Mask not Detected for the selected Card.

8. Click **Apply**.

9. This will update the Wiegand Output settings of the selected device.

10. If you have more devices, then follow the next steps to copy all Wiegand settings to all devices simultaneously. *Note: This copies all Wiegand output settings.*

11. To push these configurations to other Invixium readers, while the configured Invixium device is selected, click the **Broadcast** option from vertical ellipses button

12. Scroll down to the **Access Control** section → check **Wiegand Output** option → Click on **Broadcast**.
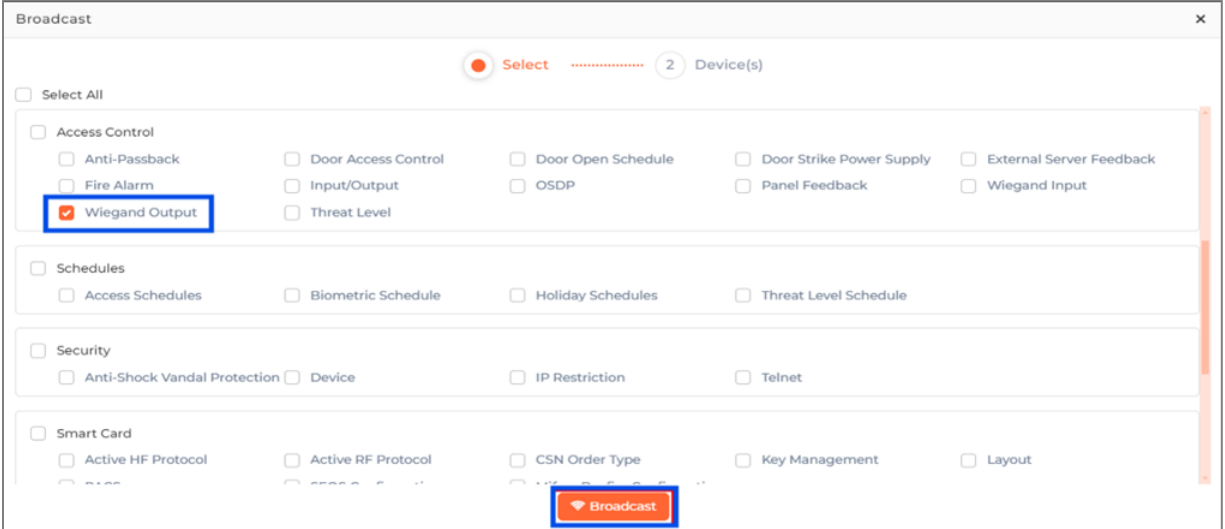
13. Select the rest of the devices in the popup. Click **OK** to copy all Wiegand output settings of the source device to all destination devices.
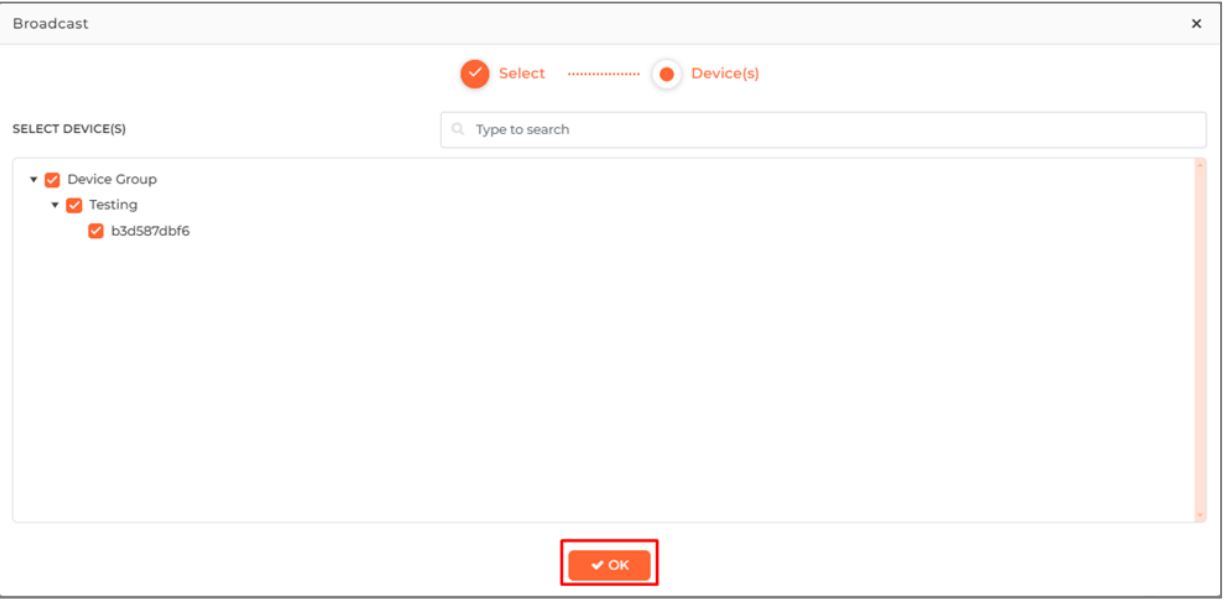
Field Mappings

The following are the Access Expert (Schneider) fields mapped with IXM WEB.

LINK only imports or considers fields that either have a counterpart in IXM WEB or have some bearing on imported data.

Access Expert Field	IXM Field	Notes
First name	First Name	
Last Name	Last Name	
Display Card Number (of card assigned)	Prox ID/Smart Card ID	A card in Access Expert is mapped to both Prox ID and Smart Card ID in IXM WEB. Prox ID is populated with the decimal representation of Display Card Number imported from Access Expert and Smart Card ID is populated with hexadecimal representation of card imported from Access Expert. Exporting Prox ID is given preference when available, otherwise Smart Card ID is converted to its decimal representation and set in Display Card Number.
PIN (of card assigned)	PIN	
Anti Passback Exempt (of card assigned)	Anti-Passback	
Active On (of card assigned)	Start Date	Access Expert assigns 01/01/0001 when Active On is left blank which is not a valid value in IXM WEB, hence LINK replaces it with 01/01/1753. When Start Date is left blank in IXM WEB it's replaced with the date the which the user was added to Access Expert while exporting the user for the first time. It's not assigned during the following updates which cause

		Access Expert to assign 01/01/0001.
Expires On (of card assigned)	End Date	Access Expert assigns 01/01/0001 when Expires On is left blank which is not a valid value in IXM WEB, hence LINK replaces it with 01/01/1753. When End Date is left blank in IXM WEB it's replaced with the time the user was added to Access Expert while exporting the user for the first time. It's not assigned during the following updates which cause Access Expert to assign 01/01/0001.

Configuring LINK for Schneider

1. Navigate to **Link** → click the **Access Expert (Schneider)** icon.

2. Enable editing configuration by toggling the switch next to the logo to **ON**. Data is not synced when the configuration is applied with this switch in the OFF position.

3. Provide values for the Web Service URL, Instance Name, User, Password, interval, Sync Direction, Auto Transfer option, and Sync Card Number fields. Each configuration setting is explained below:

   Web Service URL: Access Expert API URL.

   Instance Name: Access Expert Instance Name.

   User: Name to log in to Access Expert.

   Password: Password to log in to Access Expert.

   Interval: Latency acceptable between data transfers.

   Sync Direction:
   ➢ Sync data from Access Expert to IXM WEB.
   ➢ Sync data from IXM WEB to Access Expert.

➢ Sync data both ways. LINK will update IXM WEB first and then Access Expert.

Auto Transfer:

➢ No: Employees synchronized from Access Expert will not be automatically added to any of the employee groups present in IXM WEB.
➢ Yes: On selecting 'Yes' for Auto Transfer, the employee group selection dropdown enables, which displays all the employee groups present in IXM WEB. All the employees synchronized from Access Expert will be automatically added to the employee group selected on the Link Configuration Page.

Employee Group: Selection of employee group needs to be done to use the Auto transfer functionality.

4. Click "**Apply**" shown below to save when done.

5. When synchronization happens at the specified intervals and the users are added or updated, the numbers will change accordingly.

6. For immediate syncing instead of at the specified automatic intervals click the "Sync Now" button which runs immediate sync.

7. Click **Apply** to save the changes.

8. Here you can see data about license usage with last and next run times.

9. Clicking **Sync Now** immediately syncs pending data. This is useful when you don't want to wait until the next scheduled run which is shown in Next Run At.

10. When data is syncing at the given interval, the numbers in the Activity log will change accordingly.

Support

For more information relating to this Feature Description document, please contact us at
support@invixium.com

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