



Feature Description Document

Configuring IXM Link for Siemens Fusion

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Purpose

This document outlines the process of configuring IXM Link to sync users between Invixium's IXM WEB and Siemens Siveillance Fusion.

Applies to

TITAN	TFACE	TOUCH 2	SENSE 2	MERGE 2	MYCRO
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 Siemens Siveillance Fusion to keep IXM WEB users in sync with Siemens Fusion by using its APIs to import and export users and their cards.



Fusion Module Activation

The option to activate Siemens (Fusion) 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 <u>support@invixium.com</u>. Paste the copied machine key in the email.

About IXM WEB	×
VERSION 3.0.20.0	
IXM WEB Copyright © 2024 Invixium.	
All rights reserved.	
Invixium <u>Terms of Service</u> .	
THIRD PARTY COMPONENTS	
IXM WEB includes elements and components from	n Telerik's Kendo UI Web. Copyright © 2024,
All rights reserved.	
ANNUAL SUPPORT CONTRACT INFORMATION	
Status	Expire On
Active	07/31/2025
B5k6X0y8NFfzQkuxy/kUBNHTNHVpc6yLgBoCitYx	HdT25EuuoX4VHLR2Fps12MjHSj5VUgDHmY
kLAwjAkxvag9EZ/0dujHSU4NfCykXOGbg=	
🔀 IXM WEB Activation	B What's New



STEP 2

You will receive an email from Invixium Support containing a license key for the Siemens (Fusion) Activation.

From: Invixium Support					
Sent: Thursday, September 30, 2021 11:59 AM					
To: d. Margare					
Subject: RE: IXM LINK Activation key request					
Dear,					
Greetings! Thanks for connecting with Invixio	um Technical Services Team!				
Your license details are given below:					
Module: Fusion					
License Key:	A CONSTRUCTION AND A CONTRACT PRODUCTION AND A CONTRACT OF A CONTRACT				
To activate your IXM Link license, foll-	ow these steps:				
1. Open IXM WEB and login					
2. Go to Left Navigation Menu >> Click I	LICENSE tab				
Select the Lenel option					
 Enter the License Key given above an 	nd click Activate.				
We appreciate your kind support & patience.					
Best Regards,					
Invixium Technical Services Team					
Contact US: +1 844 INVIXIUM (468 4948)	Email: support@invidum.com				
Work Hours: 12:00AM to 5:00PM (Eastern Time)	Skype invixium_support				

STEP 3

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

IXM LIN	K									×
Synchronia	iynchronize data between IXM WEB and other leading software for easy management of users.									
	Access Expert Schneider Electric	🔒 Tachnologies	Access It! ACRE Security	*nedap	AEOS Nedap	Carlon R	Command Centre Gallagher	Ondget/usor	Control Center IndigoVision	
	DNA Fusion Open Options-DNA Fusion	SIEMENS	Fusion Siemens	Feenics	Keep ACRE Security	Paxton	Net2 Paxton	Ø LENEL S2	NetBox LenelS2	
	OnGuard LenelS2	Honeywell	Pro-Watch Honeywell	Genetec	Security Center Genetec	SIEMENS	SiPass Siemens	SIEMENS	SiPort Siemens	
SE GALAXY	System Galaxy Galaxy Control Systems	Honeywell	Win-Pak Honeywell							
Activate Li	nk									
Enter Ke	Enter Key									
	✓ Activate									
	Need Help? Contact customer support									

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





Configuring Wiegand to Output Fusion

- 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.

🔄 Wiegand Output							• ^
EVENTS							
	ID Type		Duress				
Wiegand	Employee ID	•	None	•			
	Success		Fail				
Identification	Standard 26 bit	•	None	•			
	Success		Fail				
Verification	Standard 26 bit	•	None	•			
	Format		ID Value				
Anti-Shock	IXM 82 bit Device S/N	•	Device Serial Number	•			
	Format		ID Value		Interval (sec)		
Heart Beat	None	•	Device ID	•	60	× v	
	Format						
Employee not found	None	•					
	Format						
Thermal Authentication	Standard 26 bit	•					
	Format						
Mask Not Detected	None	•					
	Format						
Invalid Attestation Questions	None	•					
PULSE (MSEC)							
Width	Interval						
40	2000	× v					



- 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 \rightarrow check Wiegand Output option \rightarrow Click on Broadcast.



Broa	dcast					×
s	select All		Select 2 De	vice(s)		
	Access Control					
	Anti-Passback	Door Access Control	Door Open Schedule	Door Strike Power Supply	External Server Feedback	
	Fire Alarm	Input/Output	OSDP	Panel Feedback	Wiegand Input	
	🕑 Wiegand Output	Threat Level				
	Schedules					
	Access Schedules	Biometric Schedule	Holiday Schedules	Threat Level Schedule		
	Security					
	Anti-Shock Vandal Protection	Device	IP Restriction	Telnet		
	Smart Card					
	Active HF Protocol	Active RF Protocol	CSN Order Type	Key Management	Layout	
			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.

Broadcast		×
	Select Device(s)	
SELECT DEVICE(S)	Q. Type to search	
🔻 🛃 Device Group		1
🔻 🛃 Testing		
✓ b3d587dbf6		
		+
	✓ ок	



Field Mappings

Below are the Siemens Fusion fields mapped with IXM WEB.

Siemens Fusion Field	IXM Field	Notes
First name	First Name	
Last Name	Last Name	
Employee Number	User ID	
Date of Birth	Birth Date	
Gender	Gender	
Address 1	Address - 1	
Address 2	Address - 2	
City	City	
State	State	
Country	Country	
Phone / Mobile	Mobile	
E-mail	Email	
Phone / Mobile (Emergency)	Home Phone	
Credential Number	Prox ID	
PIN	PIN	
Issue Level	Issue Level	
Site Code	Facility Code	
Delete (Button)	Suspend User	Delete button doesn't actually remove the record from the database in Siemens Fusion. For deleted users, IXM WEB will mark the Suspended user as Active.

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XAD-FDD-576-02G



Configuring LINK for Siemens Fusion

Navigate to Link → click the Siemens (Fusion) icon.

Cacre	Access It! ACRE Security	SIEMENS Fusion Control Panel					
SIEMENS	Fusion Siemens	Authentication Mode	Server		Database		Interval (sec)
SIEMENS	SiPass Siemens	Windows V			▼ euroMaster	Ψ.	30
	NetBox	Sync Direction		Auto Transfer			Employee Group
ØLDKL52	LenelS2	IXM WEB + Siemens Fusion	•	No		•	Select value 🔻
Cacre	Keep ACRE Security			Apply 2 Rese	t		
Romywell	Win-Pak Honeywell	ACTIVITIES					
Schmidter	Access Expert Schneider Electric	Numbers in IXM WEB		Times			
	Schneider Electric	0	0			-	
acre	DNA Fusion ACRE Security	Added	Updated	Last ru	n at	Next ru	un at
¢nedep	AEOS Nedap			Sync Now			

- 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:

Authentication Mode: Windows or SQL Server as authentication mode for login type.

Server: Name or IP of SQL Server Instance where Siemens Fusion database is installed.

User: Username to log in to SQL Server to access database.

Password: Password to log in to SQL Server to access database.

Database: Select the database which contains Siemens Fusion users.

Interval: Latency acceptable between data transfers. INVIXIUM

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Sync Direction: Sync data from Siemens Fusion to IXM WEB.

Auto Transfer:

- No: Employees synchronized from Keep 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 Keep will be automatically added to the employee group selected on Link Configuration Page.

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

Note: If you've created any Employee Group on any device then turn Auto Transfer off by setting it to None of the Employees to Any Device. Employee Group and Device Group are alternative mechanisms provided to distribute employees to devices and they don't mix well. You should turn this off and use the Employee Group/Device Group feature also when the number of employees imported from Siemens Fusion exceeds the number of employees allowed on IXM device(s).



- 4. Click **Apply** to save the settings.
- 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 an immediate sync.

ACTIVITIES							
Numbers			Numbers in	IXM WEB		Times	
0 Added	0 Updated	0 Deleted	O Added	0 Updated	0 Deleted	- Last run at	- Next run at
				Sync Now			

- 7. Here you can see data pertaining to license usage with last and next run times.
- 8. 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.
- 9. When data is syncing at the given interval, the numbers in the Activity log will change accordingly.



Multiple Cards

Siemens Fusion can have multiple cards per user but IXM WEB supports only one Prox card. Link selects the first available valid card.



Support

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

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