



**EIDC+ New User Guide – CLOUD
Deployments**

July 2025

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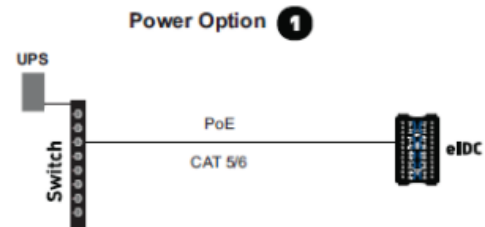
Introduction to EIDC+

Start Guide

CAUTION: For options 1, 2, and 4, DO NOT add additional power supply to terminals PW+ or PW- on the EIDC+. ONLY add additional power for option 3.

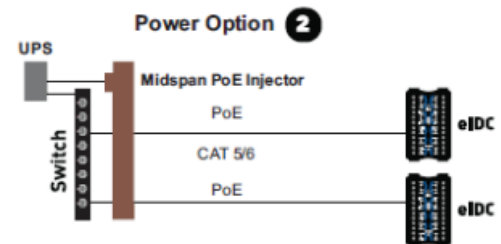
Option 1: PoE Switch

1. Run power to PoE switch
2. Run an ethernet cable directly from the switch to the EIDC+



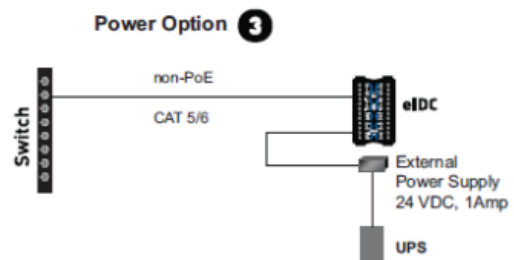
Option 2: Non-PoE Switch; Midspan

1. Run power to switch
2. Run power to midspan injector
3. Connect midspan injector to add power to all switch ports
4. Run PoE from midspan to EIDC+



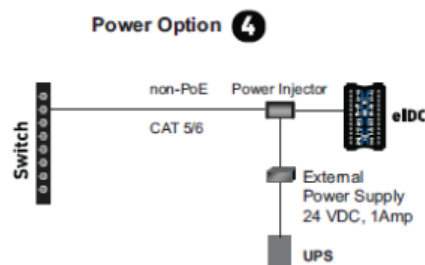
Option 3: Non-PoE Switch; External Power

1. Run ethernet from switch to EIDC+
2. Run power to external power supply
 - 24VDC
 - 1Amp
3. Attach power supply to EIDC+ via PW+ (positive) and PW- (negative)



Option 4: Non-PoE Switch; PCON

1. Run power to a PCON power injector
2. Run cable from switch to PCON
3. Run that cable from PCON to EIDC+



Finding IP Address

Establishing a connection to an EIDC+ controller is possible using its IP address. Upon an initial powering up sequence, the EIDC+ will provide its IP address through a series of flashing lights. The controller displays a light on the face of the EIDC+ controller; next to the light will be the number it corresponds to. The sequence is as follows:

1. **PW+, PW-, and GND will light up to show the controller is operational**
2. **Every terminal flashes**
3. **First quartet of IP address shown in sequential order**
 - Individual blinks represent the corresponding number
4. **Every terminal flashes**
 - This represents the '.' in the IP address
5. **Steps 3 and 4 repeat three more times for a total of 4 instances; the entire quartet will be revealed in this sequence.**

***NOTE:** Unless setup, DHCP server may not always store the IP address of the controller. Because of this, IP may change if a controller is rebooted. Always take down the displayed IP address upon a reboot sequence.*

Reset to Factory Default

Resetting a controller to factory default will revert it back to base settings. This can fix issues such as unknown IP, unknown password, and more. To perform a factory reset, take the following steps:

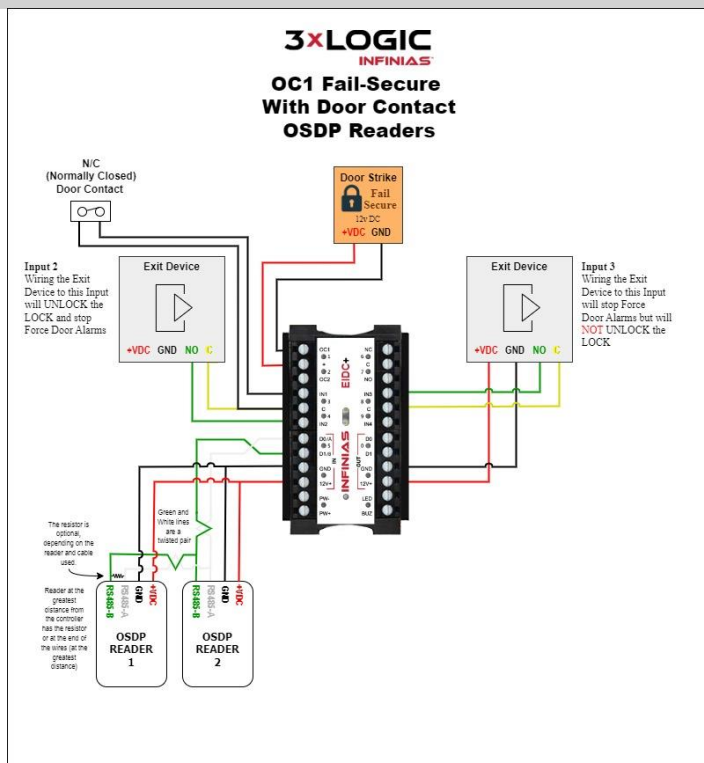
1. With the EIDC+ **UNPLUGGED**, (no power) create an electrical connection between the BUZ and IN2 terminals.
2. Apply power to the EIDC+ controller. **PLUG IN.**
3. Device will begin the startup sequence. All terminals will flash, the device will be dark for up to 10 seconds, then begin to boot.
4. Remove the wire connecting BUZ and IN2. Allow the device to boot as normal.

Wiring Guide

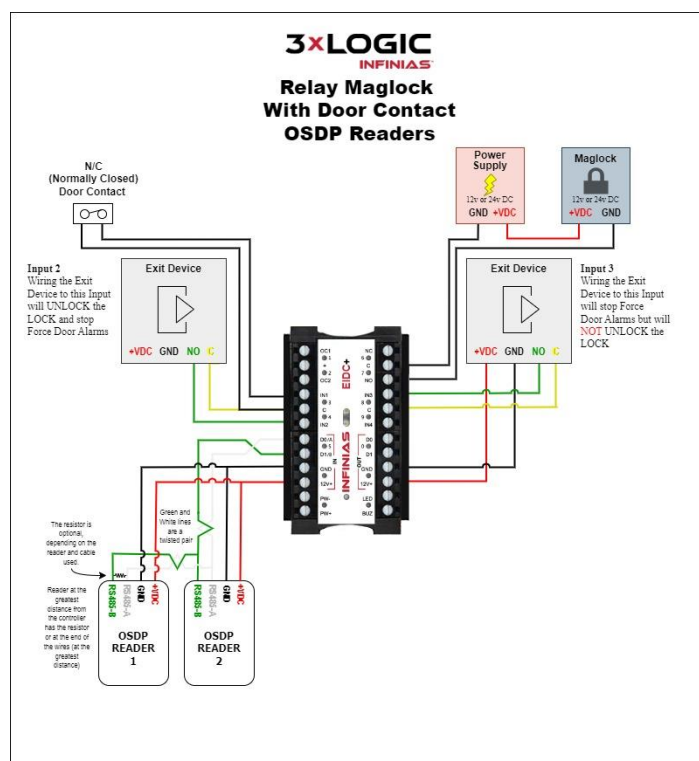
Templates

INFINIAS Access Control software comes with standard door templates that pre-wire the controller. The standard normally closed and open templates are shown below.

OC1 With Door Contact



Maglock With Door Contact



Diagrams for every other standard configuration are accessible through the INFINIAS web app. To see them:

1. Navigate to INFINIAS web app
2. Switch to configuration mode
3. Navigate to "Doors" tab
4. Press "Create Door" button
5. Select your desired behavior from the dropdown menu. **The behavior must be defined OSDP to show the proper diagram.**
6. Press the "Diagram" button
7. The diagram will display in a pop-up

If you have need for a installation that requires configuration other than these standard templates, please contact 3xLOGIC. We will design a custom template based on your needs.

Wiring Notes

OC1 and OC2

- The two open collector outputs, OC1 and OC2, provide a maximum of 12 VDC and 450mA combined
- OC1 and OC2 are software configurable energized (E) or de-energized (DE)
- OC1 and OC2 have their own negative (-) terminals but share a positive (+) terminal

Reader

- Input devices wired to EIDC+ Inputs (IN) 1 through 4
 - o Wire door contacts to IN1
 - o Request to exit buttons or motion sensor to IN2 or IN3
- Wiegand Reader IN and Reader OUT are internally configured each having their own Data 0, Data 1, 12v+, and GND
- OSDP Readers IN and OUT use data ports A and B
- For Wiegand, there is a single terminal for optional Reader LED control and optional Reader Buzzer control. OSDP reader LED and Buzzer are configured in the device's settings.
- Only the readers can be wired to Data 0/A and Data B/1 terminals
- Both IN and OUT OSDP readers get wired to the IN side of the device

Mag Locks

- A magnetic lock can be powered by the open collector output if it draws less than 450 mA. If it draws more than 450mA, then it must be wired to the form C relay (5 A at 30 VDC) labeled NO (normally open) and NC (normally closed) and powered externally.

General Information

Environmental	
Operating Temperature	32° to 120°F (0° to 49°C)
Storage Temperature	-40° to 150°F (-40° to 66°C)
Humidity	0% to 85% relative, noncondensing
Certifications	FCC part 15, Class A, Class B, UL 294

Warranty	
Period	3 year replacement

General	
Readers	2
Door	1
Cards	8000 in Web Mode 64000 with INFINIAS Access Control Management software
History	16000 transactions (web mode)
Power	Direct from PoE switch (15.4 W) or external power supply (24 VDC, 1 A)
Communications	Ethernet, 10/100 Base-T
Maximum Distance	100m (328 ft)
Switch	Cat5, Cat5e, Cat6

Inputs	
1-4	1 door position input, 3 configurable inputs, contact closure or transistor-transistor logic (TTL), with optional end of line resistor (EOLR) supervision
Tamper	Integrated infrared tamper
Wire	2 conductor, 2,000 ft

Outputs	
1 and 2	Open collector outputs with electronic overload protection (max 450 mA at 12 VDC)*
3	Form C, SPDT relay output with configurable initial state (max 5 A at 26 V)
4	Built-in warning buzzer or alarm tone generator (max 80 dB)
Reader	LED output, Buzzer output
Wire	2 conductor, 2,000 ft

Cloud Deployments

This section will show the user how to add an EIDC+ to the cloud server. It will go through creating an account, adding an EIDC+ to INFINIAS, and launching INFINIAS Access Control. For controller configuration, see the **Configuration** section.

Creating an Account

1. Upon joining with 3xLOGIC, you will receive a welcome email to create your account. Follow the link provided in the email.

[External] Welcome to 3xLOGIC



3xLOGIC [no-reply] <noreply@3xlogic.com>
To Adam Houser

☺ Reply Reply All Forward ...

Wed 7/16/2025 3:00 PM

Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

WARNING: This message was sent by someone outside Securitas. Please do not reply, click links or open attachments from senders that you do not trust. When in doubt, use the Report Message button.

Hello, Adam

Welcome to 3xLOGIC. A user has been created for you.

To set your password just use the following URL https://portal.3xlogic.com/password_resets/b09925ad-5fd8-4580-a8e1-907b9f25bade

Have a great day!

2. Upon following the link, you will be prompted to create a password for your account. Do so following the paramters laid out in the instructions.

The screenshot shows a web form titled "Set your new password" with a question mark icon. There are two password input fields, each with a strength indicator (dots). A red "Reset Password" button is at the bottom. A tooltip box is overlaid on the form, stating: "Passwords must contain at least one item from at least three of the following categories: • Uppercase letters • Lowercase letters • Numerals • Special characters Minimum 8 char in length."

3. Press "back to login" and login with the email and password you created.

The screenshot shows a confirmation message box titled "Password Reset Successful". The text inside says "Your password has been reset successfully" and includes a blue link that says "< Back to login".

Login to your account

Login with your email address and password

☐ Keep Me Logged In
 [Forgot Password](#)

Login

4. You will now have access to the Customer Portal homepage.

3xLOGIC

Customer Portal

Adam Houser

Customer: 3xLogic Internal

Logout

Help

VIEWS

Customers

Billing

Launchpad

Settings

User Management

ACTIONS

New Customer

Edit Customer

Customers

Customer	Contact	Address
3xLogic2	3xLogic2 testperson	9882 E. 121ST Street, Fishers, IN, US, 46037
Abby	Oksi AbbyTest	789 Itdontmatter Drive, Fishers, IN, US, 46037
Acme Imports		123 Anywhere Suite 007, Washington, DC, US, 10007
CherryOaks	Cherry Oaks	367 Woodfield dr, Fishers, IN, US, 46033
CustomerRepoTest	UserRepo TEst	1234 Main St W, Indianapolis, IN, US, 46227
Davis Security	Albert Tsai	123 A st., Fisher, IN, US, 41245
eIDC Plus	EIDC Plus	367 Woodfield dr, Fishers, IN, US, 46033

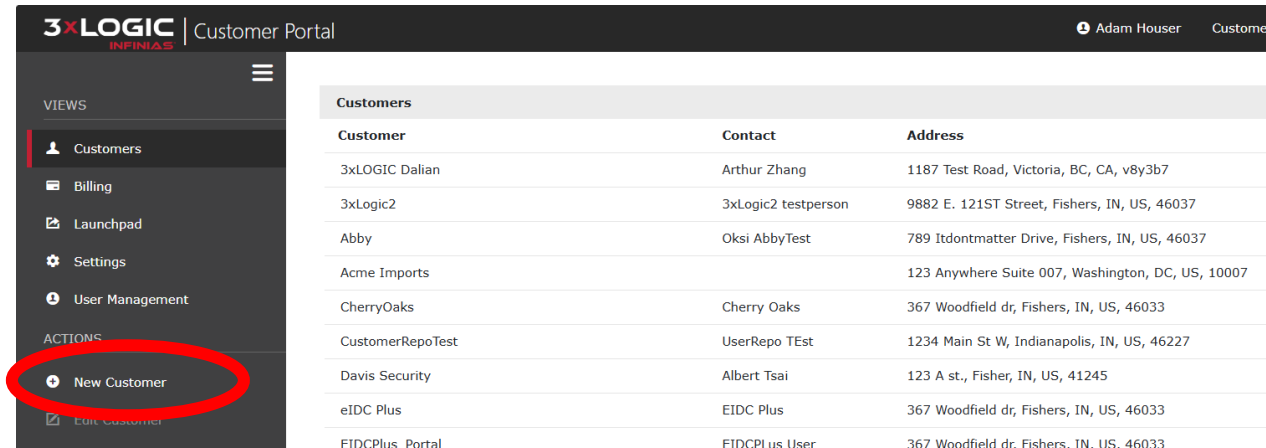
5. For users who have already created an account, this site can be accessed from this URL: <https://portal.3xlogic.com/>

Adding a Customer

This section will show how to add a new customer to the dealer portal. This is useful if this is a customer's first controller from the EIDC product line.

NOTE: If a customer is already created in Portal, this section can be skipped, and the user can go straight to **Adding an EIDC+**

1. Go to the Portal Homepage (<https://portal.3xlogic.com/>) Click "New Customer."



The screenshot shows the 3xLOGIC Customer Portal interface. On the left, a sidebar contains a 'VIEWS' section with links for Customers, Billing, Launchpad, Settings, and User Management. Below this is an 'ACTIONS' section with 'New Customer' (highlighted with a red circle) and 'Edit Customer'. The main content area displays a table of existing customers.

Customer	Contact	Address
3xLOGIC Dalian	Arthur Zhang	1187 Test Road, Victoria, BC, CA, v8y3b7
3xLogic2	3xLogic2 testperson	9882 E. 121ST Street, Fishers, IN, US, 46037
Abby	Oksi AbbyTest	789 Itdontmatter Drive, Fishers, IN, US, 46037
Acme Imports		123 Anywhere Suite 007, Washington, DC, US, 10007
CherryOaks	Cherry Oaks	367 Woodfield dr, Fishers, IN, US, 46033
CustomerRepoTest	UserRepo TEST	1234 Main St W, Indianapolis, IN, US, 46227
Davis Security	Albert Tsai	123 A st., Fisher, IN, US, 41245
eIDC Plus	EIDC Plus	367 Woodfield dr, Fishers, IN, US, 46033
EIDCPlus_Portal	EIDCPlus User	367 Woodfield dr, Fishers, IN, US, 46033

2. Fill in the information about the customer. Boxes with a "*" are required. Click "save" when finished.

Company Information

Name

Example Company

*

Address1

123 example street

*

Address2

City

example

*

Country

Country

*

Cour

State

IN

Postal Code

12345

*

Phone

5551239999

*

Contact Information

First Name

John

*

Last Name

Doe

*

Email

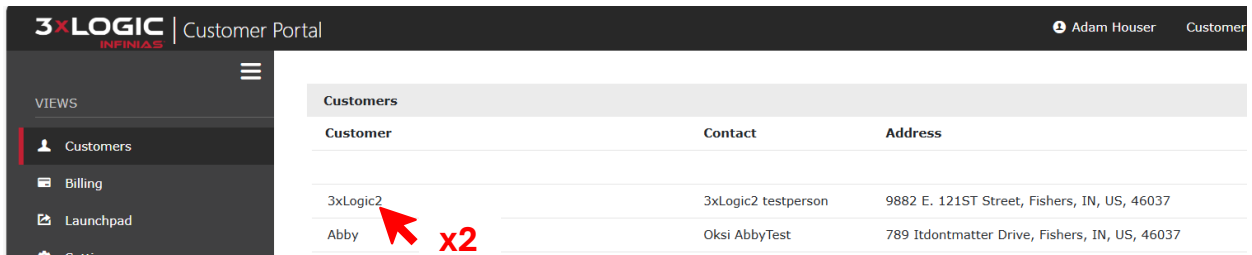
john.doe@example.com

*

Adding an EIDC+

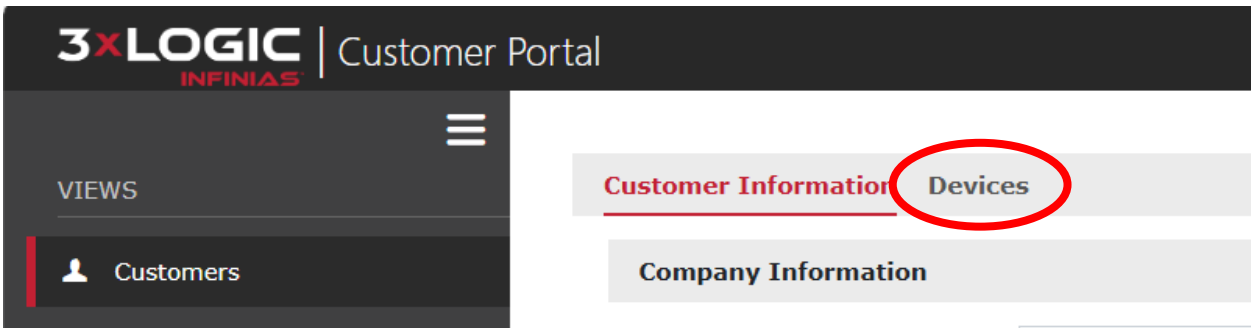
Once a customer is in Portal, devices can be added to their account. This section will go over how to perform this action so the device can be found in INFINIAS Access Control.

1. Go to the Portal Homepage (<https://portal.3xlogic.com/>) Double click the customer who you want to add the device to.

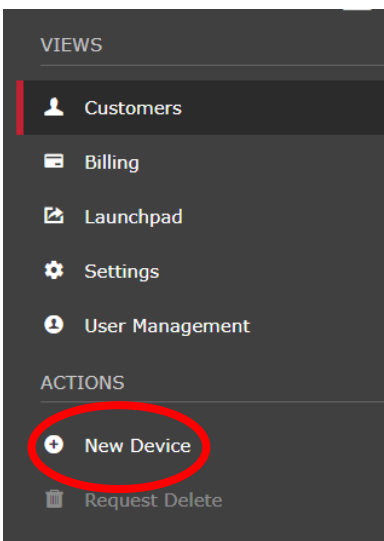


Customers		
Customer	Contact	Address
3xLogic2	3xLogic2 testperson	9882 E. 121ST Street, Fishers, IN, US, 46037
Abby	Oksi AbbyTest	789 Itdontmatter Drive, Fishers, IN, US, 46037

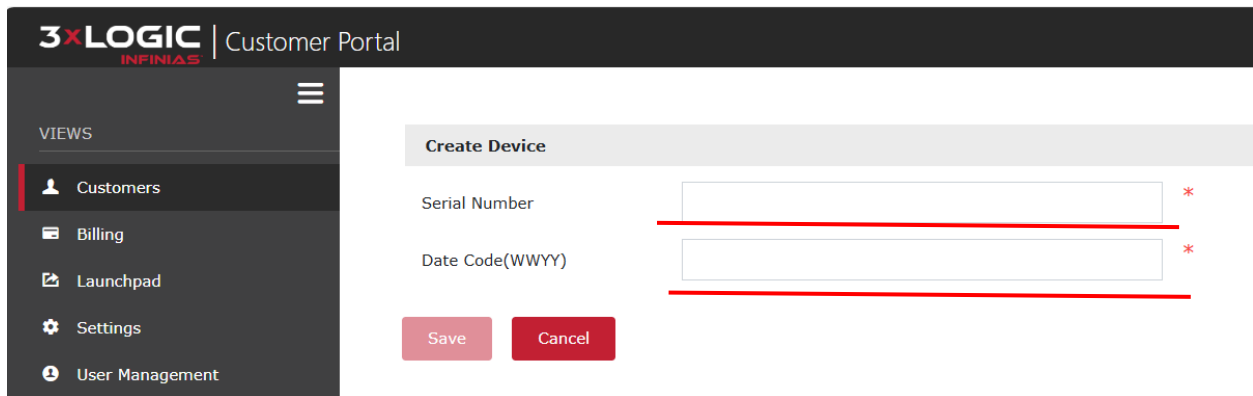
2. You will be brought to the “Customer Information” tab. From here, click the “Devices” tab.



3. From the sidebar, click the “New Device” button.



4. Enter the information about your EIDC+ controller. There are two relevant fields:
 - **Serial Number:** The 7-digit serial of the device. This should be displayed on the side of the EIDC+
 - **Date Code:** The 4 digit date code of the device, given by 2 week digits and 2 year digits. (WWYY) This should be displayed on the side of the EIDC+



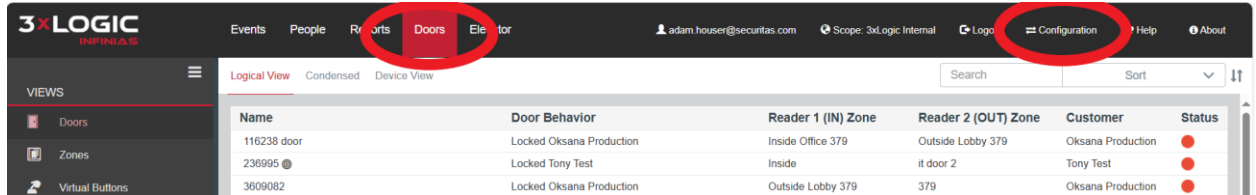
The screenshot displays the '3xLOGIC INFINIAS Customer Portal' interface. On the left is a dark sidebar with a 'VIEWS' section containing links for 'Customers', 'Billing', 'Launchpad', 'Settings', and 'User Management'. The 'Customers' link is highlighted with a red vertical bar. The main content area is titled 'Create Device' and contains two input fields: 'Serial Number' and 'Date Code(WWYY)'. Both fields are followed by a red asterisk (*) indicating they are required. Below the input fields are two buttons: 'Save' (light red) and 'Cancel' (dark red). Red horizontal lines are drawn under each input field.

5. Upon pressing “Save,” the device will be added to the customer profile, and will be findable in INFINIAS Access Control.

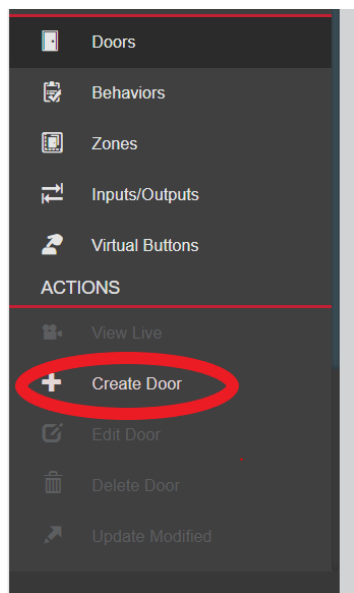
For next steps, go to the *Configuration* section.

Configuration

1. From the INFINIAS homepage, navigate to the “Doors” tab in the “Configuration” view.



2. Click the “Create Door” button on the sidebar.



3. In the create door menu, select “Devices” and choose "EIDC+ (Hosted)".

The screenshot shows the 'Create Door' form. The 'Device' dropdown menu is open, and 'EIDC+ (Hosted)' is selected, highlighted with a red circle. The form includes fields for Name, Door Behavior, Latitude, Time Zone, and a section for EIDC+ (Hosted) details.

Create Door

Name: Example
Door Behavior: [Dropdown]
Latitude: [Input]
Time Zone: (GMT-05:00) Eastern ...
Unsecured (Outside) Zone: [Dropdown]
Display Map: ☐

EIDC+ (Hosted)

Serial Number: [Input] Refresh
Door Type: [Dropdown] Diagram
Reader 2 (OUT reader): is not used or provides access in opposite direction... [Dropdown]

Create Cancel

4. Choose your door behavior and zones from the dropdown menus.

The screenshot shows a configuration interface with three dropdown menus. The first dropdown, labeled 'Door Behavior', is circled in red and has a list of options: '25362536', '3x Front Door', '3x Front Door Schedule', and '3X Front Door Test'. The second dropdown, labeled 'Secured (Inside) Zone', has a red underline and shows '----Inside'. The third dropdown, labeled 'Unsecured (Outside) Zone', also has a red underline and shows '----Outside'. There is also a checkbox labeled 'Display Map'.

5. Open the Serial Number dropdown menu. Select the IP address of your EIDC+ device

The screenshot shows a configuration interface with a 'Serial Number' dropdown menu. The dropdown is open, showing two options: '5000011 (IP Address: 192.168.87.131)' and '5000025 (IP Address: 10.11.1.60)'. There are 'Refresh' and 'Diagram' buttons to the right of the dropdown.

6. Open the “Door Type” dropdown menu. Choose the configuration of your device. The wiring diagram can be viewed by pressing the “Diagram” button. More information can be found in the [Wiring Guide](#) section of this document.

The screenshot shows a configuration interface with a 'Door Type' dropdown menu. The dropdown is open, showing four options: '1 or 2 Reader IN1 Normally Closed', '1 or 2 Reader IN1 Normally Open', 'Elevator Control 16 Output', and 'Elevator Control 32 Output'. To the right of the dropdown is a 'Diagram' button, which is circled in red.

7. Open the “Reader 2 (OUT Reader)” dropdown menu. Select the usage of the OUT reader.

Reader 2 (OUT reader):

The screenshot shows a configuration interface with a 'Reader 2 (OUT Reader)' dropdown menu. The dropdown is open, showing two options: 'is not used or provides access in opposite direction...' and 'is not used or provides access in opposite direction as Reader 1 (IN reader) provides access in same direction as Reader 1 (IN reader)'. There is a 'Refresh' button to the right of the dropdown.

EIDC+ Viewing on INFINIAS Access Control

Once a user has added their device onto INFINIAS Access Control, it can be viewed under the “Doors” tab of the website. This section will explain what information and controls are given by the site.

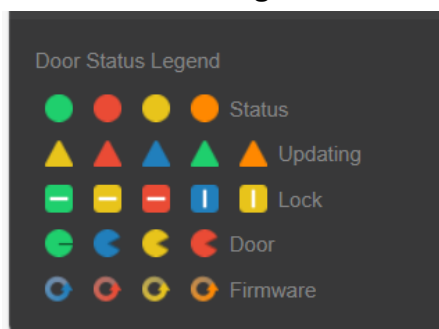
Viewing a Door

Every EIDC+ device is associated with a door in the “Doors” tab. You can use the search bar in the top right corner to search for a specific door. You can use the dropdown menu in the top right to sort by various attributes related to the door, including name, status, zones, behavior, and customer.

Logical View	Condensed	Device View		Search	Status	↓
Name	Door Behavior	Reader 1 (IN) Zone	Reader 2 (OUT) Zone	Customer	Status	
Jackie 5000019	OSDP 9600	Inside	Outside	ThreeX Training Co	●	☰
5000029 Oksana Production	OSDP Behavior	Inside Office 379	Outside Lobby 379	Oksana Production	●	☰
Ricks Door 3326	Ricks Behavior Wiegand	Ricks Inside Zone	Ricks Outside Zone	3xLogic Internal	●	

The page defaults to the “Logical View” tab. Information given from this view is as follows:

- **Name:** The name of the door
- **Door Behavior:** The way the door will function. This includes scheduling, holidays, normally closed/open information, and more
- **Zones:** The zones on the inside and outside of the door
- **Customer:** The name of the customer the door belongs to
- **Status:** The current status of the door, given by a color and shape. The full legend for the status tab is viewable in the bottom left of the INFINIAS webpage. Hover over the symbol to see it’s meaning.



Controls in INFINIAS

In addition to providing information about the controller, INFINIAS allows controls for the door. Pressing on the door will highlight it in yellow and allow the user to perform the actions shown in the sidebar.

Name	Door Behavior	Reader 1 (IN) Zone	Reader 2 (OUT) Zone	Customer	Status
116238 door	Locked Oksana Production	Inside Office 379	Outside Lobby 379	Oksana Production	●
236995 ●	Locked Tony Test	Inside	it door 2	Tony Test	●

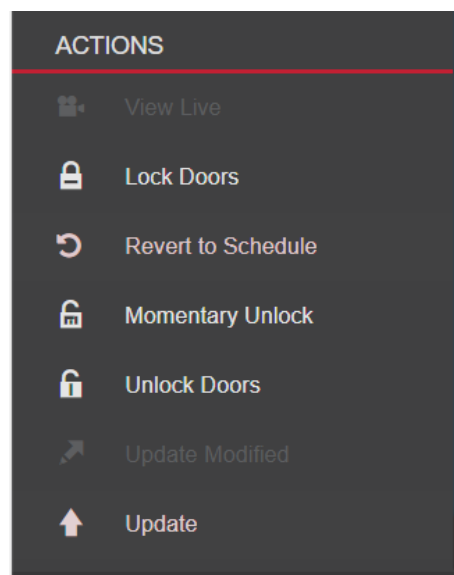
Top: Door selected by clicking, highlighted in yellow

Bottom: Door NOT selected, standard white background

Homepage:

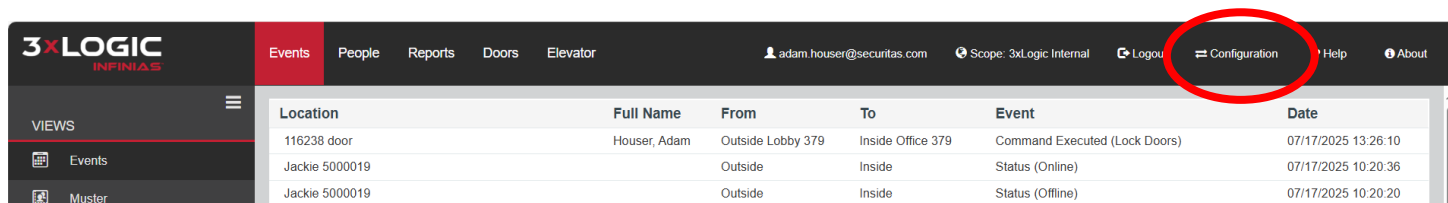
The sidebar of the homepage gives various controls for the linked EIDC+ controlled doors.

- **Lock Doors:** Press to lock the selected doors
- **Revert to Schedule:** Press to clear any previous commands and revert a door to how it would usually act during the current timeframe
- **Momentary Unlock:** Press to unlock the door for a specified duration
- **Update:** Press to update the door



Configuration:

The sidebar of the configuration page gives various controls for the linked EIDC+ controlled doors. These controls effect information regarding how the door is tracked in INFINIAS. They are accessed by navigating to the configuration tab using the “Configuration” button in the top right corner of the INFINIAS Access Control homepage.



3xLOGIC INFINIAS		Events	People	Reports	Doors	Elevator	adam.houser@securitas.com	Scope: 3xLogic Internal	Logout	Configuration	Help	About
VIEWS												
Events		Location	Full Name	From	To	Event	Date					
		116238 door	Houser, Adam	Outside Lobby 379	Inside Office 379	Command Executed (Lock Doors)	07/17/2025 13:26:10					
		Jackie 5000019		Outside	Inside	Status (Online)	07/17/2025 10:20:36					
		Jackie 5000019		Outside	Inside	Status (Offline)	07/17/2025 10:20:20					

The controls available are as follows:

- **Create Door:** Create a new door with a linked EIDC+
- **Edit Door:** Edit the information of the selected door
- **Delete Door:** Delete the selected door

