



Feature Description Document

How to register devices using Serial Communication



Purpose

This document outlines the process of registering the device using serial communications such as USB Aux, RS-232, RS-485 via IXM WEB.

Applies to

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

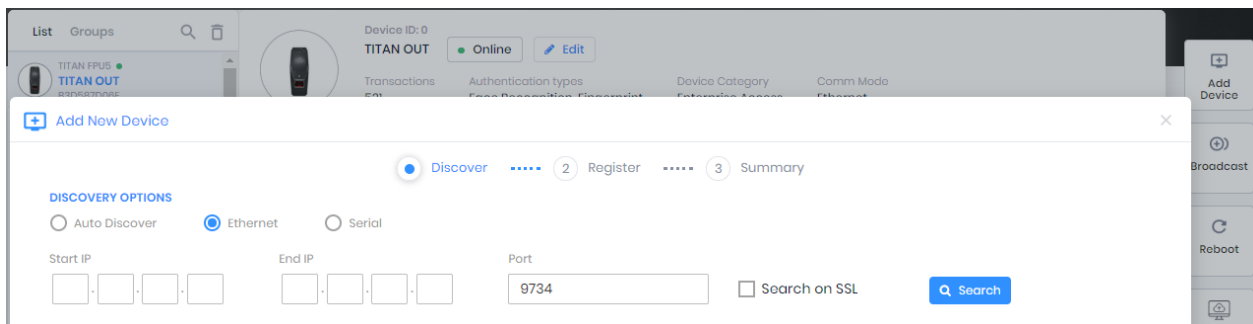
Description

Device registration using serial communications (USB Aux, RS-232, and RS-485) is a very important and critical procedure for all Invixium products. There are two ways to register a device:

1. Register a device using USB Aux/RS-232
2. Register a device using RS-485

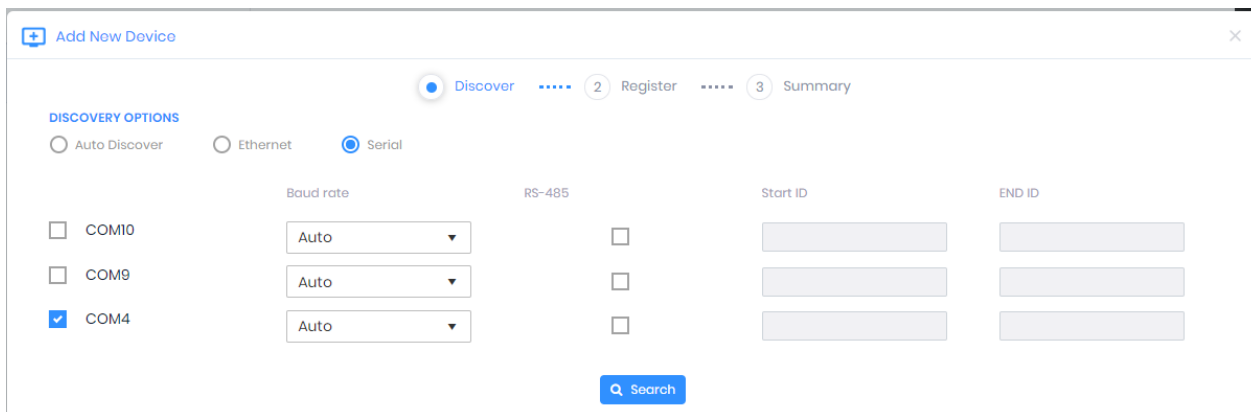
Register Device Using USB Aux/RS-232:

1. From Home >> Click the **Devices tab** on the top >> Click **Add Device** on the right side of the screen. The application will redirect to the Device Discovery window and the default settings will be displayed.



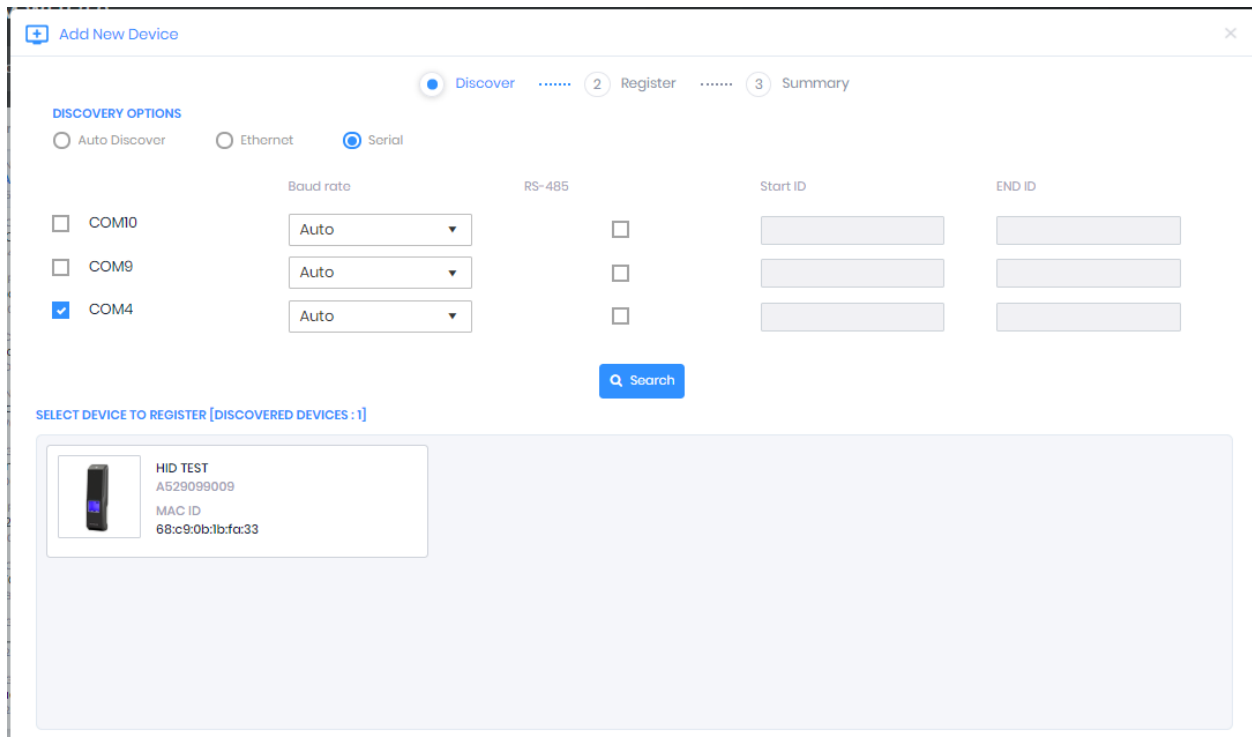
The screenshot shows the 'Add New Device' window in the INVIXIUM application. The 'Discover' step is active, and the 'Ethernet' option is selected under 'DISCOVERY OPTIONS'. The 'Port' field is set to 9734. The 'Search on SSL' checkbox is unchecked. The 'Search' button is visible at the bottom right.

2. Select **Serial** as the discovery option to discover the device using serial communication. Select an appropriate **COM port** on which the device is connected and a Baud Rate can also be provided which is optional and can be kept as Auto.



The screenshot shows the 'Add New Device' window in the INVIXIUM application. The 'Discover' step is active, and the 'Serial' option is selected under 'DISCOVERY OPTIONS'. The 'COM4' port is selected, and the 'Baud rate' is set to 'Auto'. The 'Search' button is visible at the bottom right.

3. Click **Search**, which will display the progress bar.



Add New Device


Discover 2 Register 3 Summary

DISCOVERY OPTIONS

☐ Auto Discover ☐ Ethernet ☒ Serial

	Baud rate	RS-485	Start ID	END ID
<input type="checkbox"/> COM10	Auto	<input type="checkbox"/>		
<input type="checkbox"/> COM9	Auto	<input type="checkbox"/>		
<input checked="" type="checkbox"/> COM4	Auto	<input type="checkbox"/>		

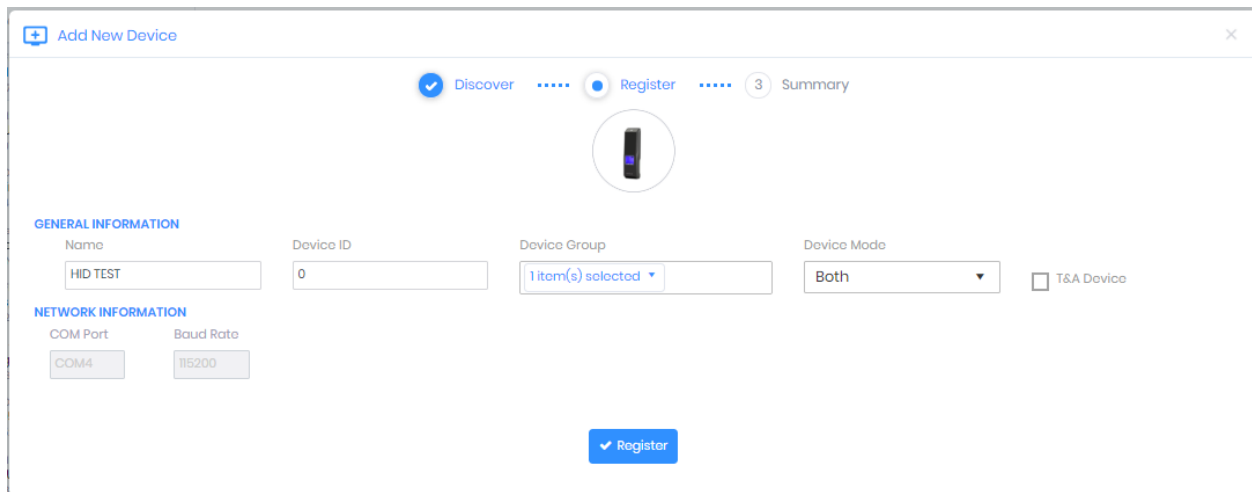
SELECT DEVICE TO REGISTER [DISCOVERED DEVICES : 1]



HID TEST
A529099009
MAC ID
68:c9:0b:1b:fa:33


Search

4. Click on the device to be registered. The application will redirect to a device registration window and the default settings will be displayed.



Add New Device

Discover Register 3 Summary



GENERAL INFORMATION

Name: HID TEST Device ID: 0 Device Group: 1 item(s) selected Device Mode: Both ☐ T&A Device

NETWORK INFORMATION

COM Port: COM4 Baud Rate: 115200

Register

5. Click **Register** to register the device in IXM WEB.
6. Upon completion, a “Device registered” confirmation window with the device information will be displayed.

+

Add New Device

×

✓ Discover

.....

✓ Register

.....

○ Summary

✓

Device Registered

Device Information

Device Name HID TEST	Model Name SENSE - FPL2	Serial Number A529099009	Firmware Version 01.009.000.000
Transaction capacity 0	User Capacity (tH) 0	User Capacity (tI) 0	

Network Information

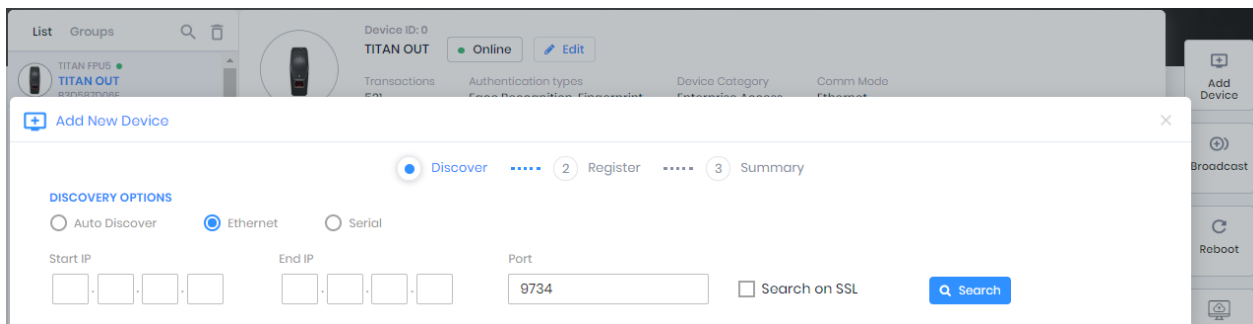
Comm Mode Serial	COM Port COM4
---------------------	------------------

+ Add New

✓ Done

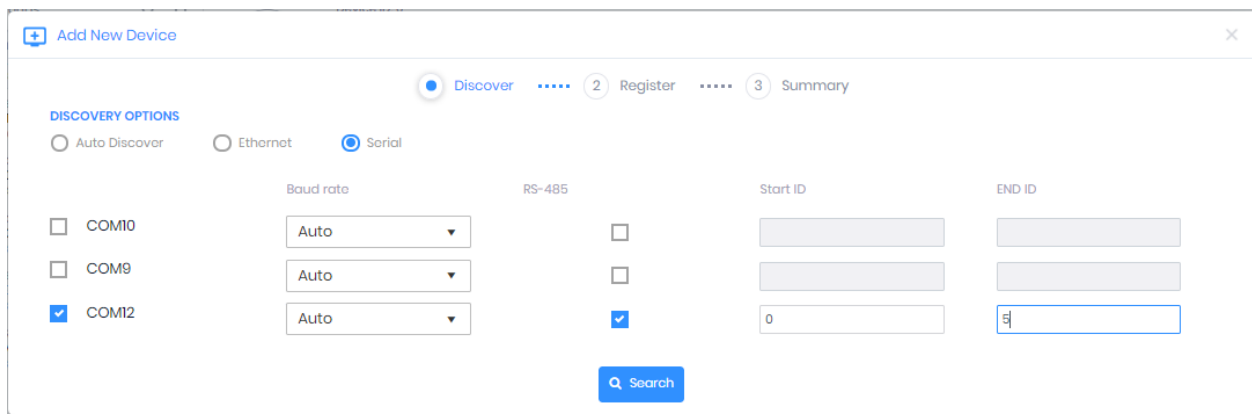
Register Device using USB RS-485:

1. From Home >> Click the **Devices tab** on the top >> Click **Add Device** on the right side of the screen. The application will redirect to the Device Discovery window and the default settings will be displayed.



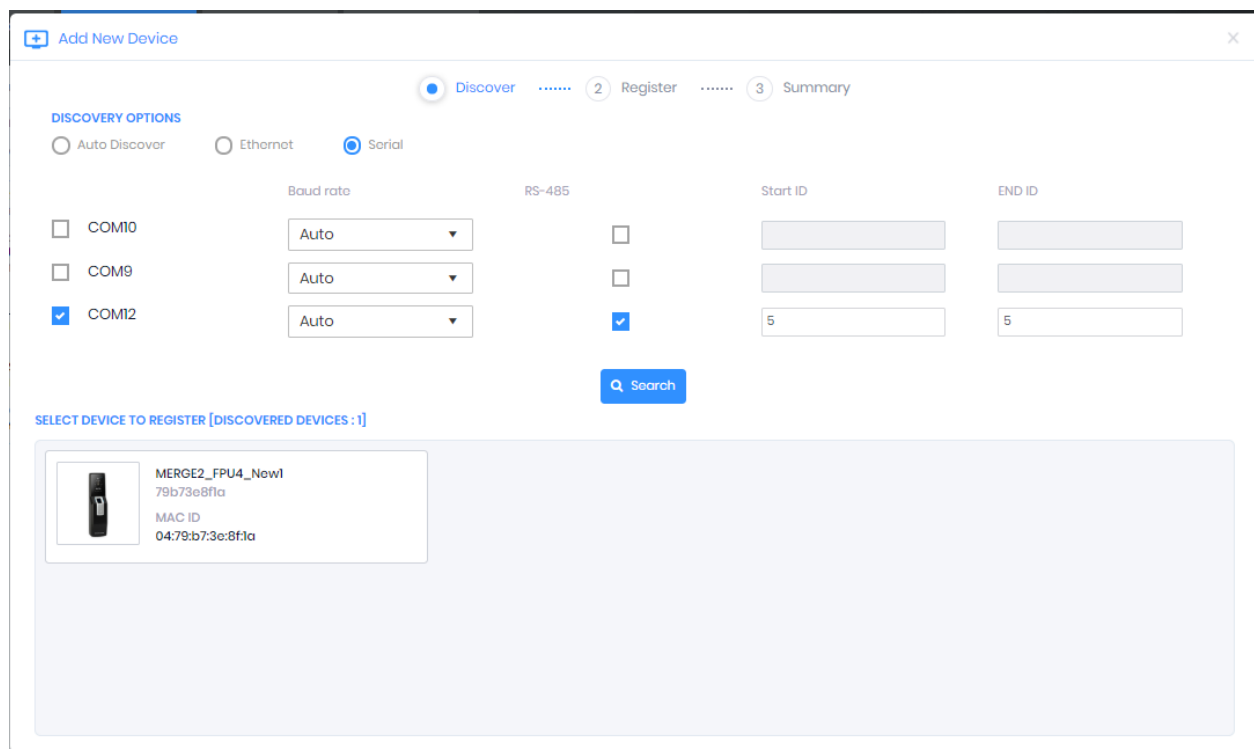
The screenshot shows the 'Add New Device' window with the 'Discover' tab selected. Under 'DISCOVERY OPTIONS', 'Ethernet' is chosen. The 'Port' field is set to 9734. The 'Search on SSL' checkbox is unchecked. The 'Search' button is visible.

2. Select **Serial** as the discovery option to discover the device using serial communication. Enable RS-485 by checking the box and enter the Start ID & End ID.



The screenshot shows the 'Add New Device' window with the 'Discover' tab selected. Under 'DISCOVERY OPTIONS', 'Serial' is chosen. The 'COM12' port is selected. The 'Baud rate' is set to 'Auto'. The 'RS-485' checkbox is checked. The 'Start ID' is 0 and the 'END ID' is 255. The 'Search' button is visible.

3. Click **Search**. This will display the progress bar.



Add New Device

Discover 2 Register 3 Summary

DISCOVERY OPTIONS

☐ Auto Discover ☐ Ethernet ☒ Serial

☐ COM10 ☐ COM9 ☒ COM12

Baud rate: Auto


RS-485: ☒

Start ID: 5

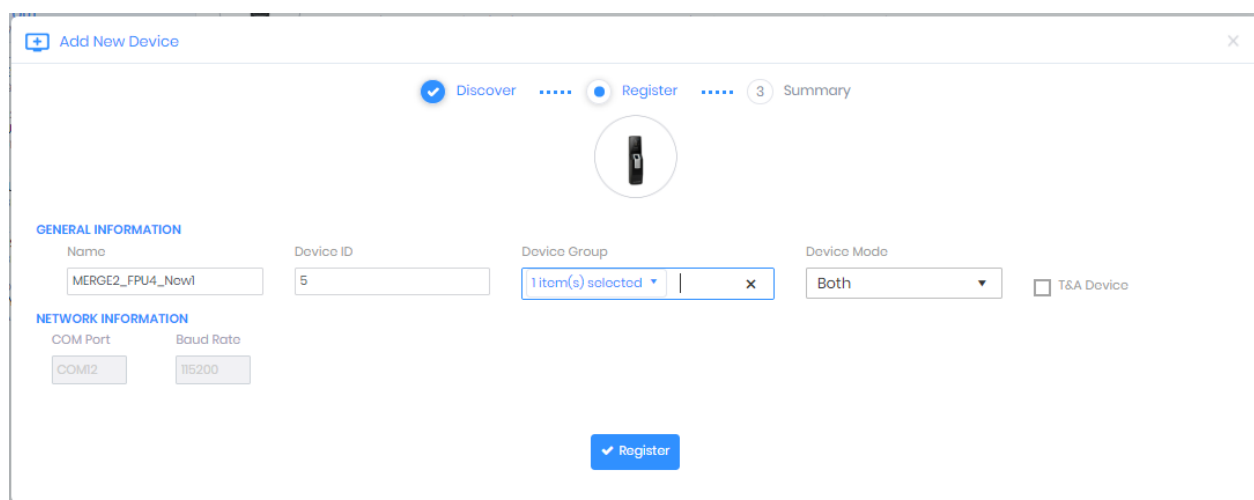
END ID: 5

Search

SELECT DEVICE TO REGISTER [DISCOVERED DEVICES : 1]


 MERGE2_FPU4_New1
79b73e8f1a
MAC ID
04:79:b7:3e:8f1a

4. Click on the device to be registered. The application will redirect to a device registration window and the default settings will be displayed.



Add New Device

Discover Register 3 Summary



GENERAL INFORMATION

Name: MERGE2_FPU4_New1

Device ID: 5

Device Group: 1 item(s) selected

Device Mode: Both

☐ T&A Device

NETWORK INFORMATION

COM Port: COM12

Baud Rate: 115200

Register

5. Click **Register** to register the device in IXM WEB.
6. Upon completion, a “Device registered” confirmation window with the device information will be displayed.

Add New Device

Discover

Register

Summary

Device Registered

Device Information			
Device Name	Model Name	Serial Number	Firmware Version
MERGE2_FPU4_Now1	MERGE - FPU4	79b73e8f1a	01.009.000.000
Transaction capacity	User Capacity (tN)	User Capacity (tI)	
0	0	0	

Network Information	
Comm Mode	COM Port
Serial	COM12

Add New

Done



Support

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

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