



## Feature Description Document

### Understanding of Dynamic DNS in Invixium Devices



## Purpose

This document outlines the process to configure Dynamic DNS setting in IXM devices.

## Applies to

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

## Description

This feature is to enable communication between IXM WEB hosted on a local machine but routed using a Dynamic DNS and Invixium devices installed at a remote location.



## Configure Dynamic DNS settings in the router

1. Router, Firewall or Gateway should have the support of Dynamic DNS.
2. Log in to the router and click on Dynamic DNS settings.

**DDNS**

Service Provider: No-IP ( www.no-ip.com ) [Go to register...](#)

User Name: IXM\_WEB

Password: \*\*\*\*\*

Domain Name: ixmweb.ddns.net

Enable DDNS

Connection Status: DDNS not launching!

**DDNS Help**

The Device offers a Dynamic Domain Name System (DDNS) feature. DDNS lets you assign a fixed host and domain name to a dynamic Internet IP address. It is useful when you are hosting your own website, FTP server, or other server behind the Device. Before using this feature, you need to sign up with DDNS service providers such as [www.no-ip.com](#). The Dynamic DNS client service provider will give you a password or key.

Follow these instructions to set up DDNS:

If your selected dynamic DNS Service Provider is [www.no-ip.com](#):

1. Enter the **User Name** for your DDNS account.
2. Enter the **Password** for your DDNS account.
3. Enter the **Domain Name** you received from dynamic DNS service provider.
4. Click the **Login** button to login to the DDNS service.

**Connection Status** - The status of the DDNS service connection is displayed here.

Click **Logout** to logout of the DDNS service.

**Notice:** If you want to login again with another account after a successful login, please click the **Logout** button, then input your new username and password and click the **Login** button.

- **Service Provider:** Select the Domain Name or Host name on which the service provider is registered.
- **User Name:** User name to log in to the selected service provider.
- **Password:** Password to log in to the selected service provider.
- **Domain Name:** Domain name or Host name which is created at the service provider.



3. Click **Login** to connect the router with the selected service provider. After a successful connection, the connection status will change to “Succeeded!”

The screenshot shows the DDNS configuration page. The 'Connection Status' is highlighted with a red box and shows 'Succeeded!'. The 'Login' button is also visible. The 'DDNS Help' section on the right provides instructions for setting up DDNS.

4. Forward the following two ports using TCP protocol on the router:

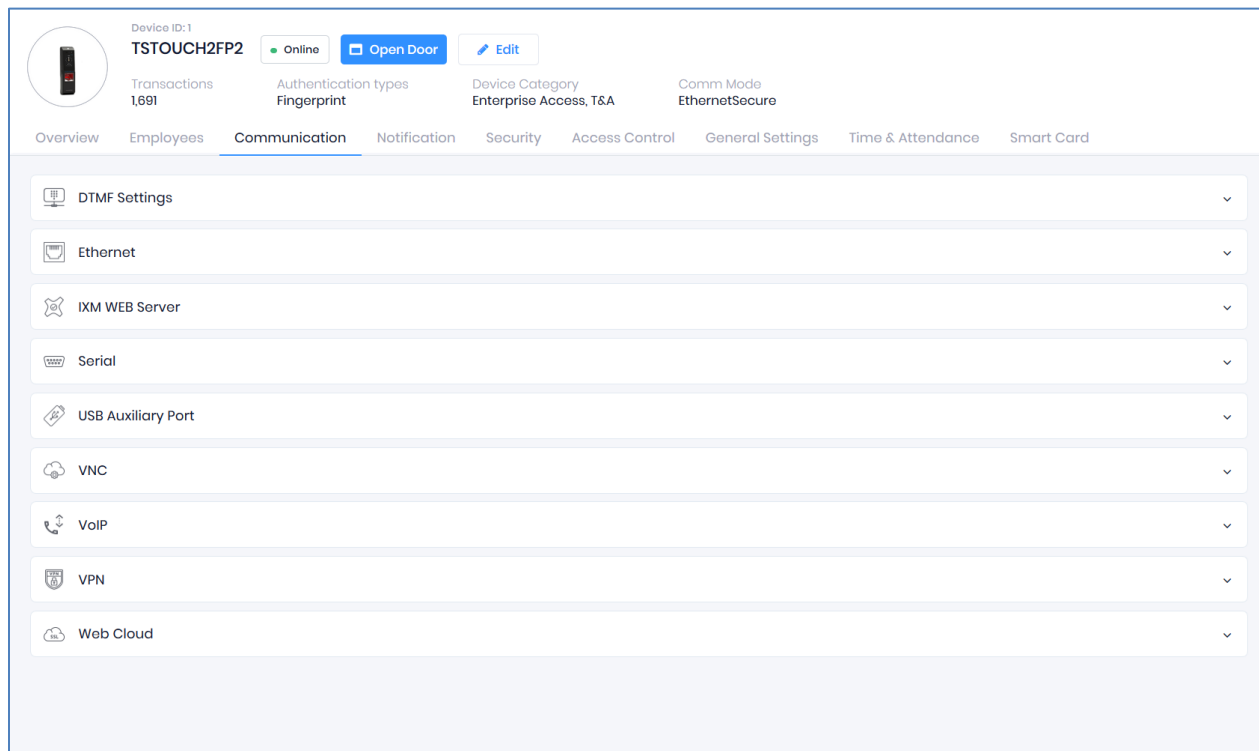
- **IXM WEB port:** Use the same port on which IXM WEB is installed. (Default IXM WEB port is 9108).
- **IXM WEB hosted system port:** 1255 (FIX Mandatory).



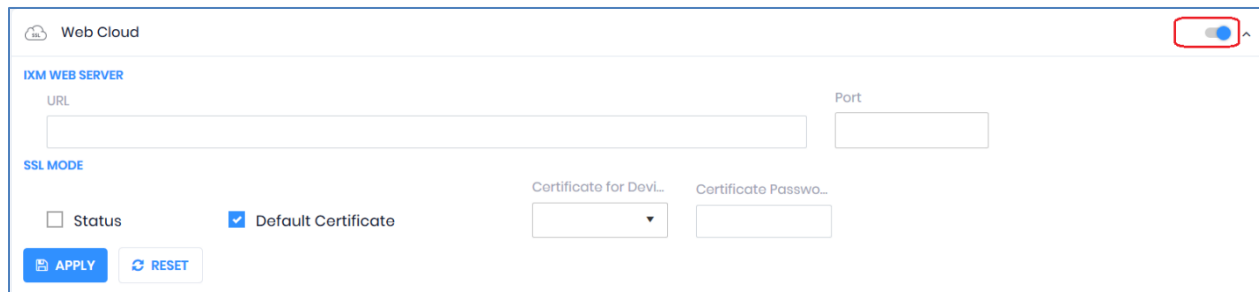
# Configure Dynamic DNS settings in IXM device from IXM

## WEB

1. From Home >> Click the **Devices** tab on the top >> Navigate to the **Communication** tab >> Click WEB Cloud.



2. Toggle WEB Cloud Switch to ON to enable the settings.

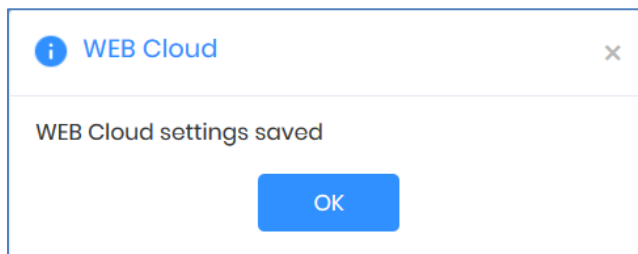




3. Provide the URL (Domain name which was mentioned in the router with the port number on which IXM WEB is installed) & port (Listing port of WEB cloud. The default port is 1255).

A screenshot of the 'Web Cloud' configuration page. At the top, there's a title 'Web Cloud' and a toggle switch. Below that, the 'IXM WEB SERVER' section contains a 'URL' field with the text 'http://ixmweb.ddns.net:9108' and a 'Port' field with '1255'. The 'SSL MODE' section has two checked checkboxes: 'Status' and 'Default Certificate'. There are also dropdown menus for 'Certificate for Devi...' and 'Certificate Passwo...'. At the bottom left, there are 'APPLY' and 'RESET' buttons.

4. Click **Apply** to save the settings to the Invixium device.

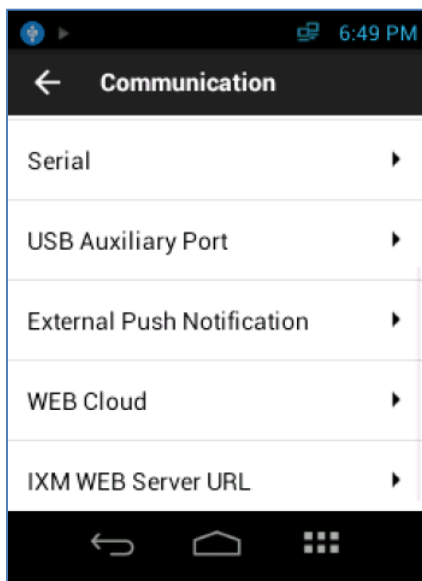


# Configure Dynamic DNS settings in IXM device from Device LCD

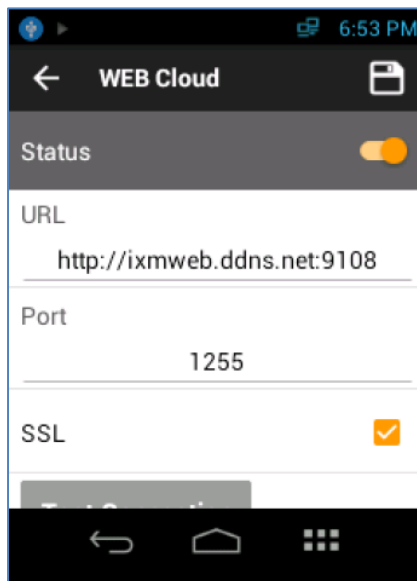
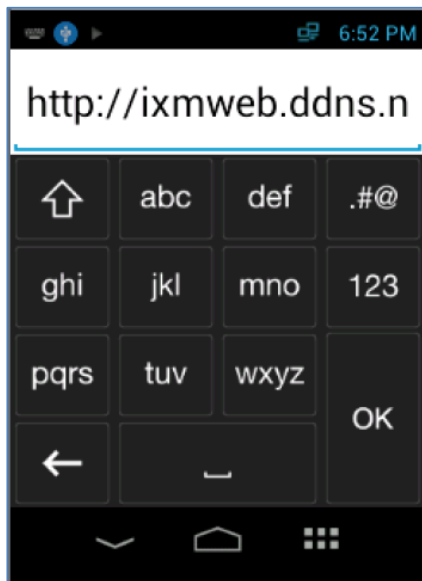
1. From the Home screen >> Tap on the Menu icon >> Swipe to the Communication app. Tap on the **Communication** icon. The device will prompt for device security authentication before opening the app.



2. Tap on **WEB Cloud**.



3. Provide the URL (Domain name which is mentioned in the router) & port (Listing port of WEB cloud. The default port is 1255).







4. Click **Save** to store the settings.

## Discover IXM Cloud device in IXM WEB

1. From Home >> Click the **Devices** tab on the top >> Click the **Add Device** button on the right side of the screen.



**+** Add New Device ×

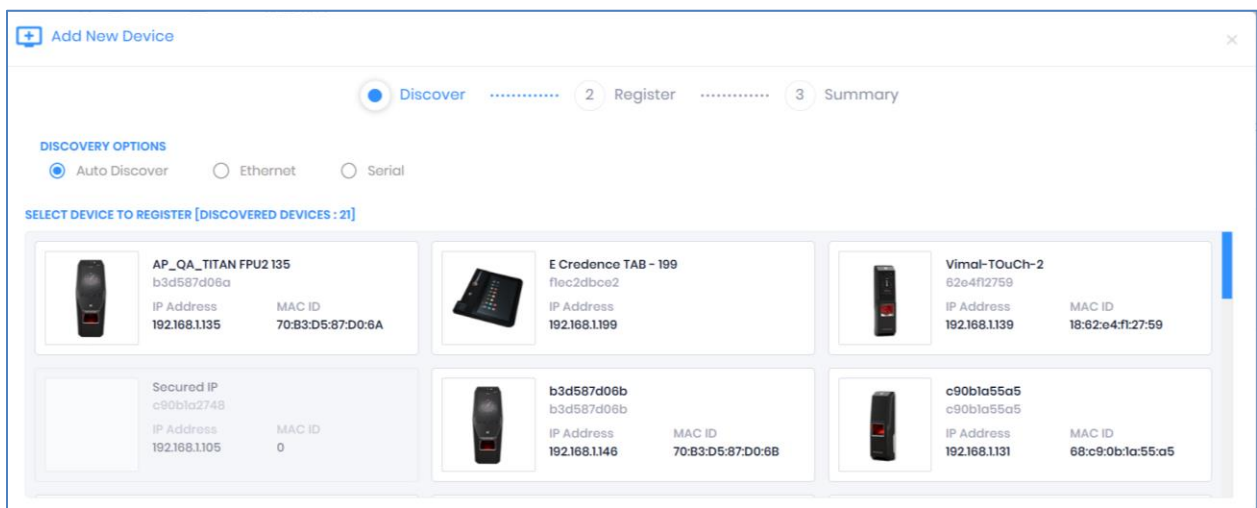
Discover ..... 
  2 Register ..... 
  3 Summary

**DISCOVERY OPTIONS**

Auto Discover 
  Ethernet 
  Serial

Start IP: [ ] . [ ] . [ ] . [ ] 
 End IP: [ ] . [ ] . [ ] . [ ] 
 Port: 
 Search on SSL

2. Select Auto Discover under Discovery Options.
3. This will discover all the IXM devices on which IXM Cloud setting is turned ON with a valid cloud URL.








**+** Add New Device ×

Discover ..... 
  2 Register ..... 
  3 Summary

**DISCOVERY OPTIONS**

Auto Discover 
  Ethernet 
  Serial

**SELECT DEVICE TO REGISTER [DISCOVERED DEVICES : 21]**

 <p><b>AP_QA_TITAN FPU2 135</b> b3d587d06a IP Address: 192.168.1135 MAC ID: 70:B3:D5:87:D0:6A</p>	 <p><b>E Credence TAB - 199</b> f1ec2dbce2 IP Address: 192.168.1199</p>	 <p><b>Vimal-TOuCh-2</b> 62e4f12759 IP Address: 192.168.1139 MAC ID: 18:62:e4:f1:27:59</p>
<p><b>Secured IP</b> c90ba2748 IP Address: 192.168.1105 MAC ID: 0</p>	 <p><b>b3d587d06b</b> b3d587d06b IP Address: 192.168.1146 MAC ID: 70:B3:D5:87:D0:6B</p>	 <p><b>c90ba55a5</b> c90ba55a5 IP Address: 192.168.1131 MAC ID: 68:c9:0b:1a:55:a5</p>

4. Select the device to be registered and click **Register** to register the device in IXM WEB.



## Support

For more information relating to this Feature Description document, please contact us at [support@invixium.com](mailto:support@invixium.com)

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