



Vision & Samba: Connecting to Unicloud

Connect to the Unicloud Organization

1. Go to **Services** → **UniCloud** → **General**.
2. Enter your UniCloud username and password.
3. Click **Get Organization**, select your organization, then click **Save & Apply**.

Note: Ensure your PC and Unitronics Router are connected to the Internet.

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UICRB8_R_52.07.13.8
[View Settings](#)

Services > UniCloud > General

UniCloud configuration

Email address * tal.asulin@unitronics.com

Password *

[Get Organizations](#)

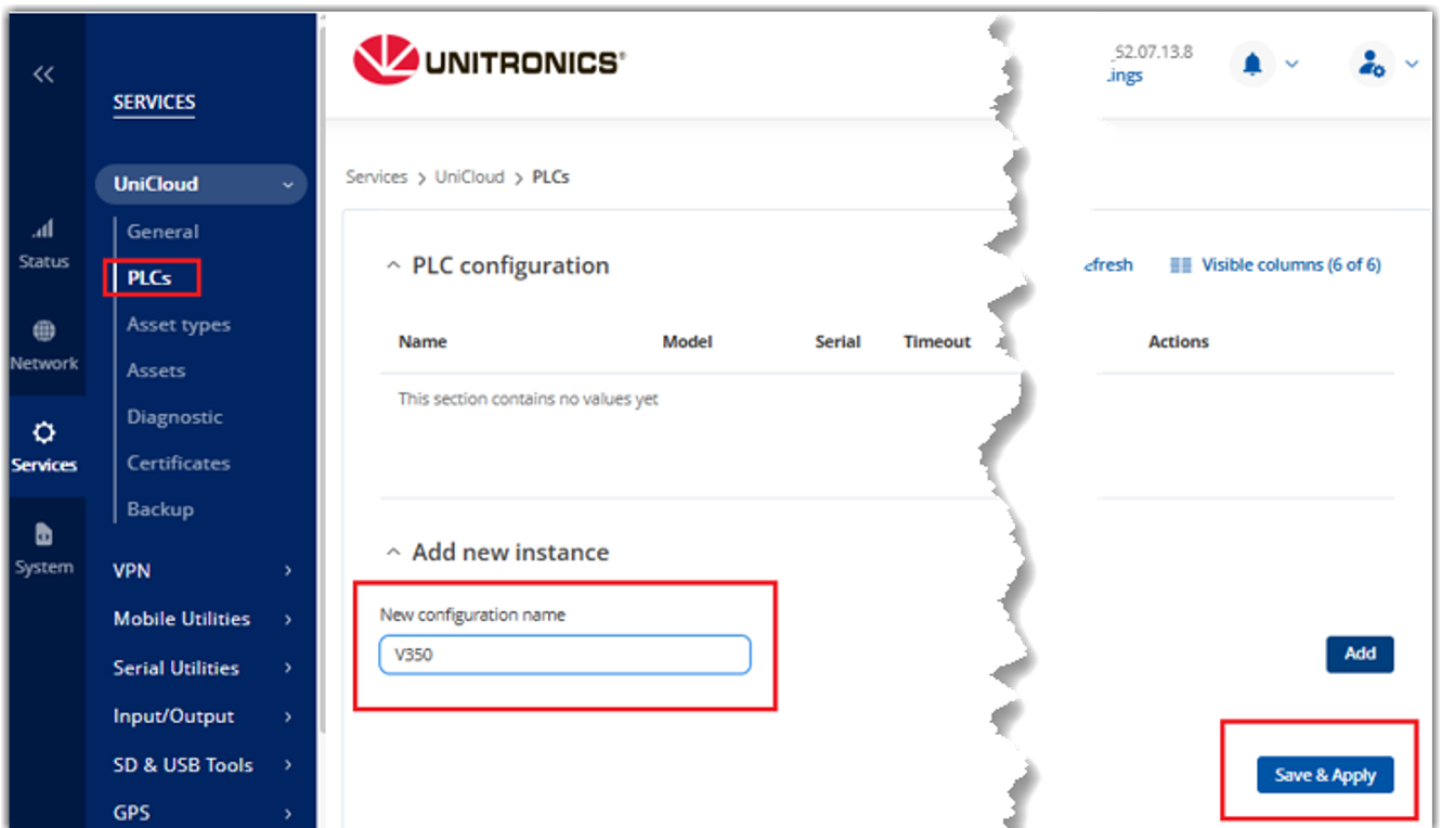
Organization Name TechnicalSupport

[Save & Apply](#)

Organizations successfully loaded

PLC Settings

1. Go to **PLCs** → **Add New Configuration**.
2. Choose your remote access choice:
 - OFF** – Uses telemetry port (telemetry pauses during access).
 - ON** – Uses a dedicated port (recommended).
3. Click **Save & Apply** again.



The screenshot shows the UniCloud web interface for configuring PLCs. On the left, a dark blue sidebar contains navigation links: Status, Network, Services (highlighted), and System. Under Services, the 'PLCs' option is selected and highlighted with a red box. The main content area has a white header with the Unitronics logo and a breadcrumb trail: Services > UniCloud > PLCs. Below this, there's a section titled 'PLC configuration' with a table that currently has no data. A red box highlights the 'Add new instance' section, which contains a text input field labeled 'New configuration name' with the value 'V350' entered. To the right of this input is an 'Add' button. At the bottom right of the main content area, a 'Save & Apply' button is highlighted with a red box. The top right corner of the interface shows the user's IP address (52.07.13.8), a refresh button, and a visible columns indicator (6 of 6).



^ PLC configuration

Enable ☒ on

Name * V350

PLC password Unitronics11

Serial number * V8500B30006

PLC model V350

Timeout * 5

Enable offline storage ☒ on

Storage USB

Storage days * 60

Communication method TCP/IP

IP address * 192.168.1.66

IP address * 192.168.1.66

Port * 20256

Enable remote access ☒ on

Use additional port for remote access ☒ on

Additional ports 20257

Save & Apply

<<

SERVICES

UniCloud

General

PLCs

Asset types

Assets

Dagnostic

Certificates

Backup

Input/Output

SD & USB Tools

GPS

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UCRB0_R_52.07.13.8

View Settings

Services > UniCloud > PLCs

Refresh

Visible columns (6 of 6)

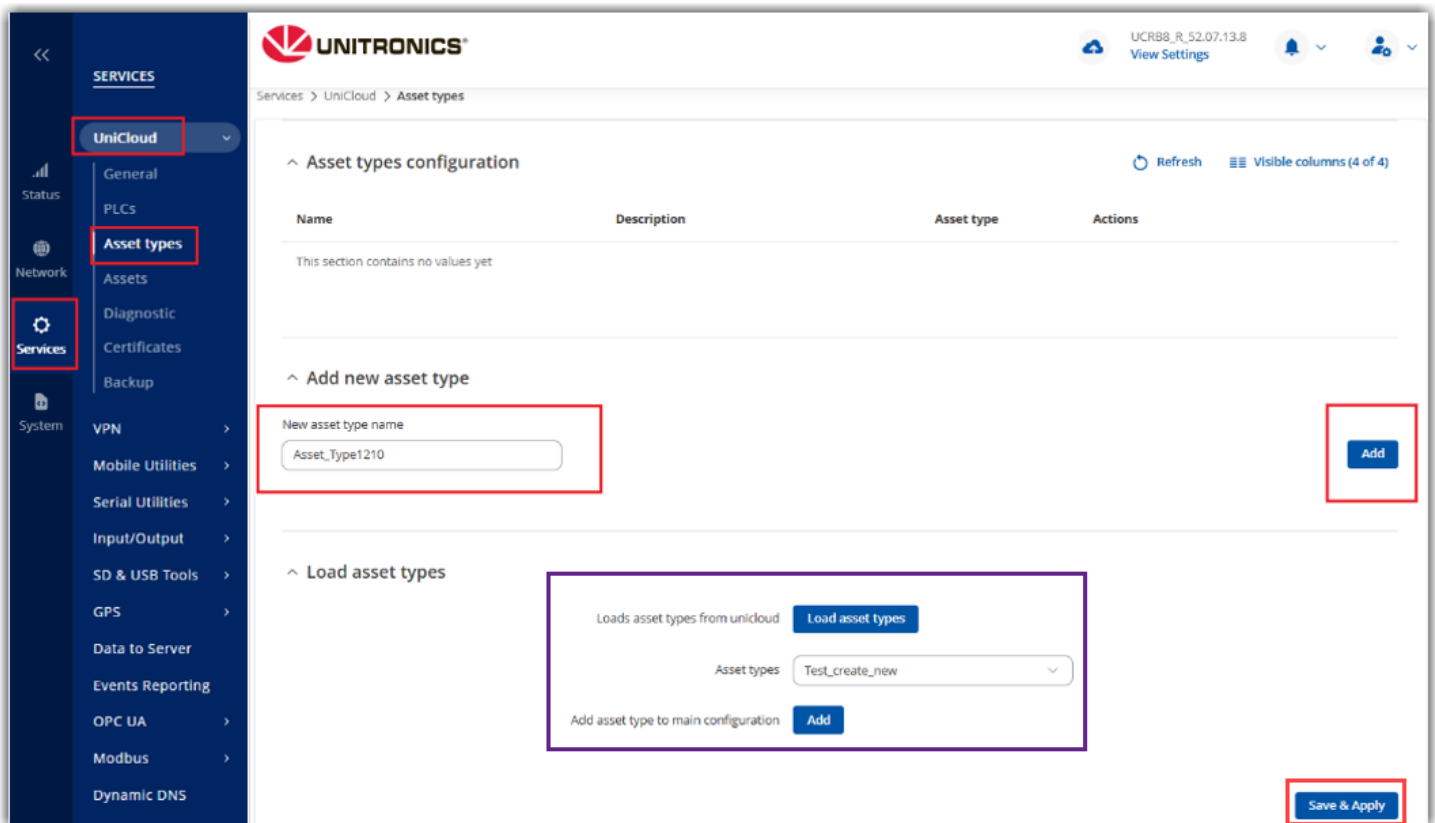
Name	Model	Serial	Timeout		Actions
V350	v350	V8500B30006	5	<input checked="" type="checkbox"/> on	Edit Delete

Save & Apply

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Asset Type Setup

1. Go to **Asset Types**.
2. Add a new type or load an existing one.
3. Click **Save & Apply**.



The screenshot displays the UniCloud web interface for configuring asset types. On the left, a sidebar lists various services, with 'Asset types' selected under the 'Services' category. The main content area is titled 'Asset types configuration' and features a table with columns for Name, Description, Asset type, and Actions. Below the table, there are two sections: 'Add new asset type' and 'Load asset types'. The 'Add new asset type' section includes a text input field with the value 'Asset_Type1210' and an 'Add' button. The 'Load asset types' section contains a 'Load asset types' button, a dropdown menu set to 'Test_create_new', and an 'Add' button. At the bottom right of the interface, there is a 'Save & Apply' button.

4. Select **Asset Type: Unitronics**.
5. Configure memory bits, integers, and alarms.
6. Click **Save & Sync** until success messages appear.

Notes:

- Ensure you select the correct **Type** from the drop-down list.
- Confirm you receive **both success messages**. If messages don't appear, click **Save & Sync** again.



^ Asset type configuration

Asset type name *

Asset type description

Asset type

^ Tag configuration

[Refresh](#) [Visible columns \(8 of 8\)](#)

Name	Alias	Description	Type	Data type	Length	Permissions	Actions
<input type="text" value="MB1"/>	<input type="text"/>	<input type="text" value="Door_Bit"/>	<input type="text" value="Bit"/>	<input type="text" value="MB"/>	<input type="text" value="1"/>	<input type="text" value="RO"/>	Delete
<input type="text" value="MI1"/>	<input type="text"/>	<input type="text" value="Volume"/>	<input type="text" value="Numeric"/>	<input type="text" value="MI"/>	<input type="text"/>	<input type="text" value="RO"/>	Delete

[Add](#)

^ Alarm configuration

[Refresh](#) [Visible columns \(6 of 6\)](#)

Name	Resolution	Description	Data type	Severity	Actions
<input type="text" value="Alarm1"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="MB"/>	<input type="text" value="Warning"/>	Delete

[Add](#)

[Save & apply](#)

[Save & sync](#)

<<

SERVICES

UniCloud

General

PLCs

Asset types

Assets

Diagnostic

Certificates

UNITRONICS

UCRB8_R_52.07.13.8

View Settings

Services > UniCloud > Asset types

^ Asset types configuration

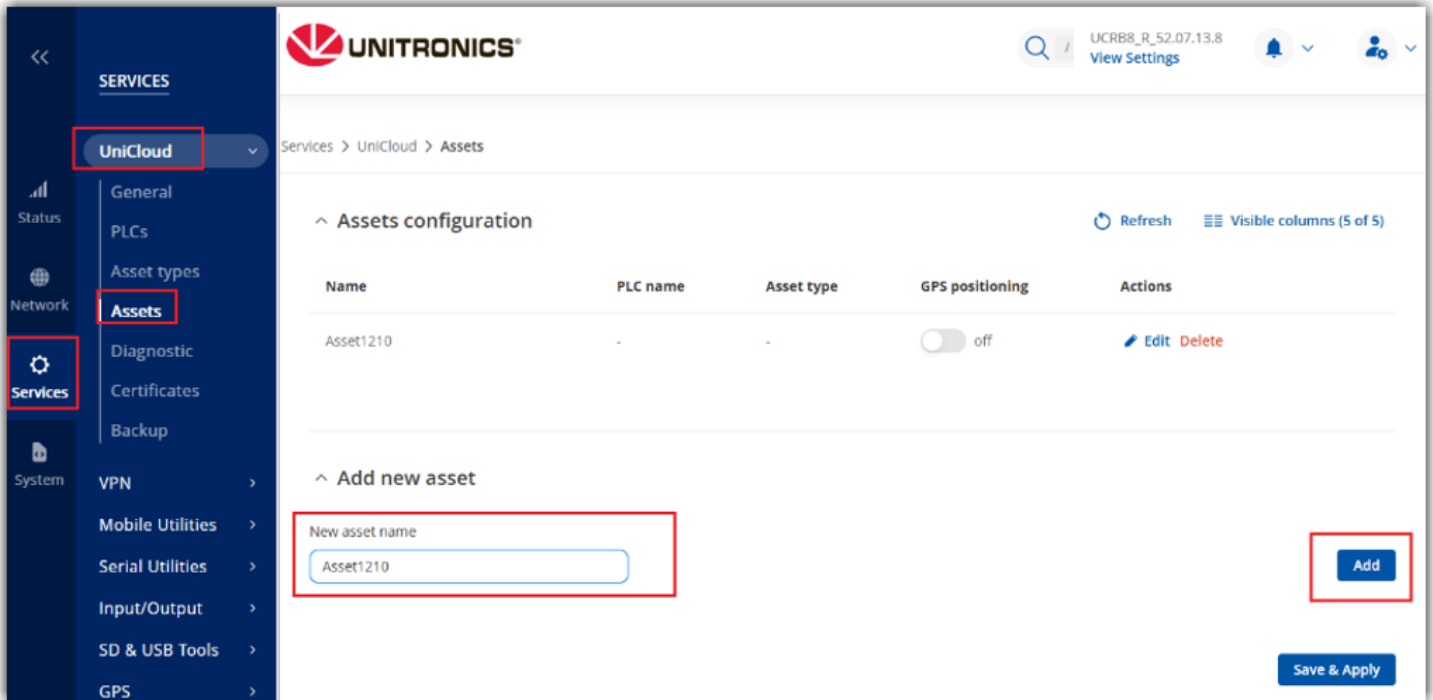
Name	Description	Asset type	Actions
Asset_Type1210	-	Unitronics	Edit Delete

Asset types loaded successfully

Configuration has been applied

Creating a New Asset

1. Go to **Services** → **UniCloud** → **Assets**.
2. Enter the **New asset name** → **Add**.



The screenshot displays the UniCloud web interface. On the left sidebar, under the 'SERVICES' section, 'UniCloud' is selected, and within it, 'Assets' is highlighted. The main content area shows the 'Assets configuration' section with a table listing assets. The table has columns for Name, PLC name, Asset type, GPS positioning, and Actions. One asset, 'Asset1210', is listed with a disabled GPS positioning toggle. Below the table is the 'Add new asset' section, which includes a text input field for the 'New asset name' (containing 'Asset1210') and an 'Add' button. At the bottom right, there is a 'Save & Apply' button.

3. (Optional) Enable GPS (B8 models only).
4. Select **Asset Type** and set **Addresses**.
5. **Test** connection; if successful, click **Save & Apply** twice.

Note: You **must receive** a successful Test response. If the test fails, return to the PLC and Asset type tabs and verify all configuration settings. When all tests pass, click Save & Apply.



Asset configuration

Support GPS positioning ☐ off

Asset name * Asset1210

Asset type Asset_Type1210

PLC name V350

Enable PLC trigger ☐ off

Tag configuration

Refresh Visible columns (7 of 7)

Name	Alias	Description	Data type	Permissions	Address	Test
MB1	-	Door_Bit	MB	Read only	1	Test
MI1	-	Volume	MI	Read only	1	Test

Test response: 40

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UCRB8_R_52.07.13.8 View Settings

Services > UniCloud > Assets

Assets configuration

Refresh Visible columns (5 of 5)

Name	PLC name	Asset type	GPS positioning	Actions
Asset1210	V350	Asset_Type1210	<input type="checkbox"/> off	Edit Delete

Add new asset

New asset name

Add

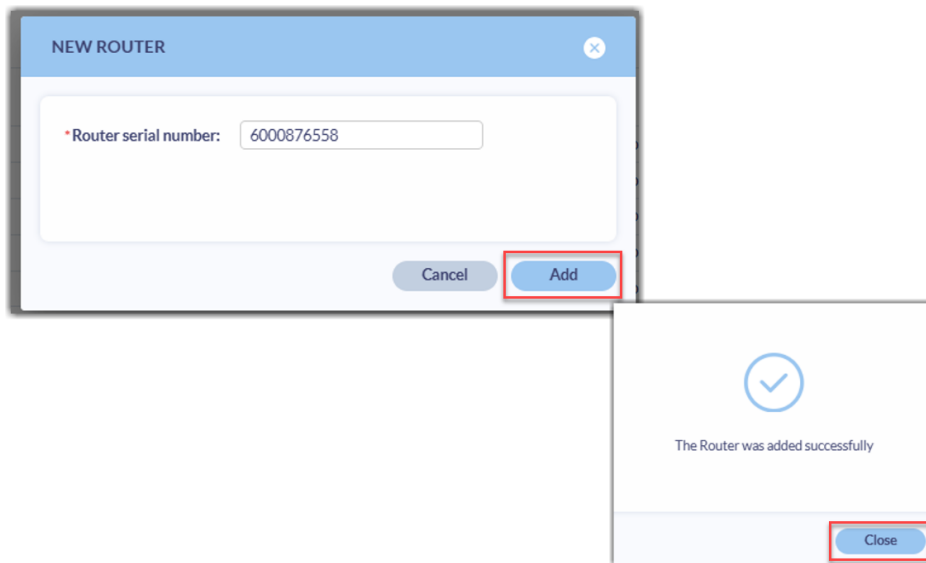
Save & Apply

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Add Unitronics Router to UniCloud

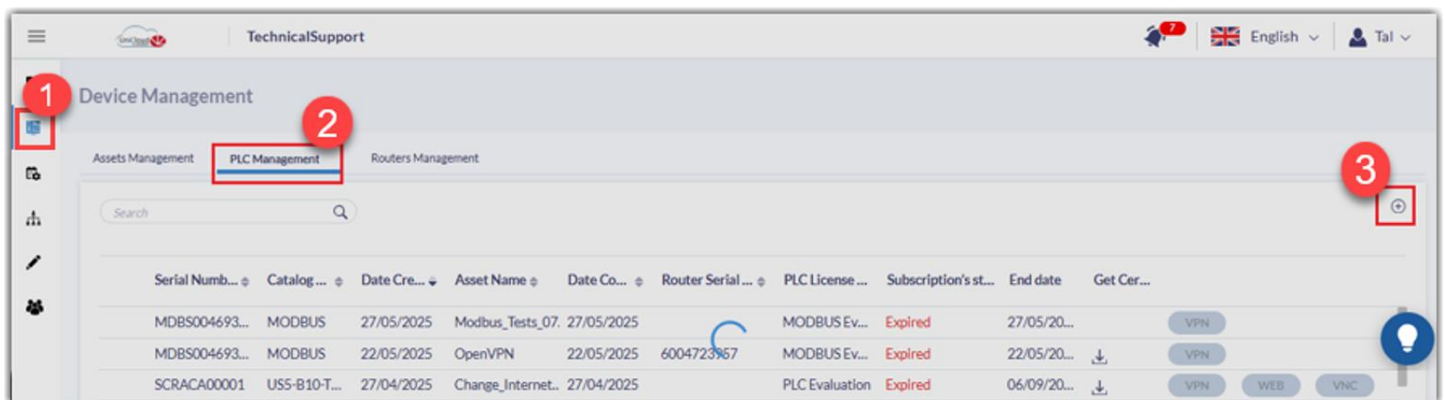
1. In UniCloud: Go to **Device Management** → **Unitronics Routers Management**.
2. Click Add Unitronics Router → enter Unitronics Router Serial Number → Validate → Add.

Note: If validation fails, **contact Support for help.**



Add PLC to UniCloud

1. Go to **Device Management** → **PLC Management**.
2. Click Add PLC → enter Serial Number → Validate → Add.



NEW PLC








PLC type:
Unitronics

* PLC serial number:
V8S00B30006

Cancel
Add

Link PLC to Unitronics Router

1. Return to Unitronics **Routers Management** → select Unitronics Router.

Assets Management PLC Management Routers Management							
<div>Search</div>							
Serial Number	Model	Catalog Number	Date Created	Owner	# Assets	# PLCs	
 6000876558	UCR-B8	UCR-ST-B8-EU	12/10/2025	TechnicalSupport	0	0	 WEB
 1127011469	UCR-B8	UCR-ST-B8-SA	24/08/2025	TechnicalSupport	0	0	 WEB
 6004723957	UCR-B5	UCR-ST-B5-EU	16/03/2025	TechnicalSupport	1	1	 WEB
 1127008576	UCR-B8	UCR-ST-B8-SA	19/11/2024	TechnicalSupport	0	0	 WEB



ROUTER DETAILS

Certificate

Disconnect

Router Serial Number: 6000876558

Date Connected:

WEB

Owner: TechnicalSupport

Router Model: UCR-B8

Location: Israel

Comments:

Assets

PLCs

+

Serial Number

Model

Catalog Number

Date Created

Asset Name

2. Enter PLC serial → Validate → Close.

CONNECT PLC TO THE ROUTER

✕

Insert the serial number of the PLC you would like to connect to the router:

V8S00B30006

Validate



ROUTER DETAILS

Certificate

Disconnect

Router Serial Number: 6000876558

Date Connected: 12/10/2025

WEB

Owner: TechnicalSupport

Router Model: UCR-B8

Location: Israel

Comments:

Assets

PLCs (1)

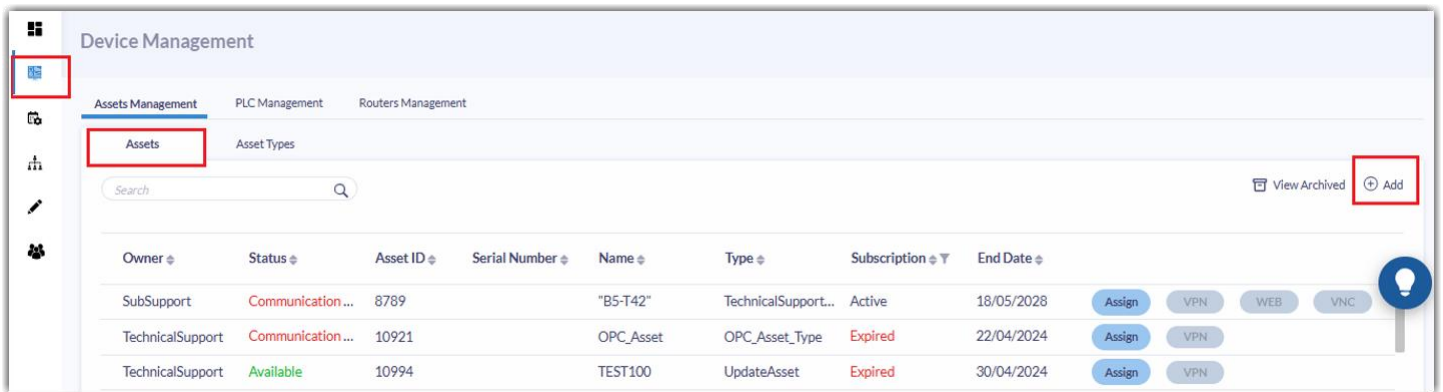
+

Serial Number	Model	Catalog Number	Date Created	Asset Name
V8S00B30006	Vision	V350-J-B1	12/10/2025	

Close

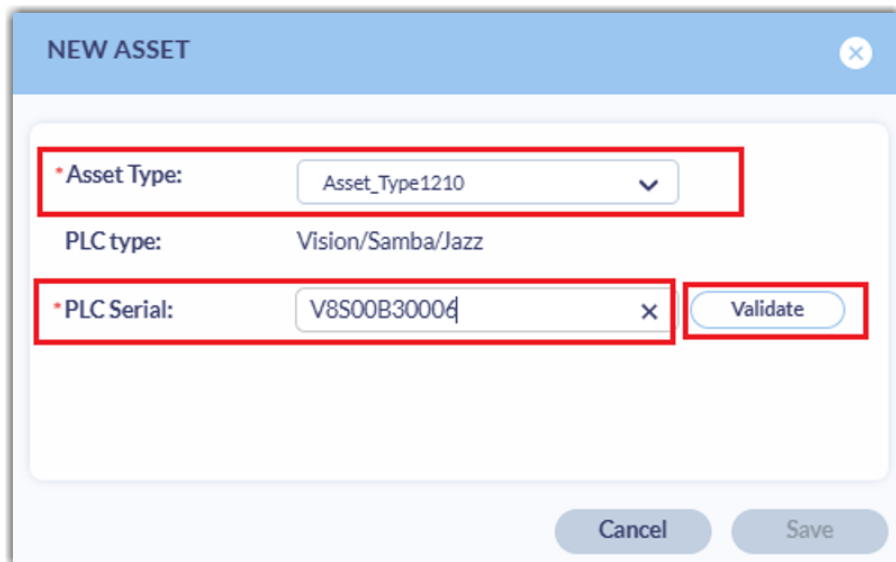
Create Asset in UniCloud

1. Go to **Device Management** → **Assets** → **Add Asset**.



Owner	Status	Asset ID	Serial Number	Name	Type	Subscription	End Date	
SubSupport	Communication ...	8789		"B5-T42"	TechnicalSupport...	Active	18/05/2028	Assign VPN WEB VNC
TechnicalSupport	Communication ...	10921		OPC_Asset	OPC_Asset_Type	Expired	22/04/2024	Assign VPN
TechnicalSupport	Available	10994		TEST100	UpdateAsset	Expired	30/04/2024	Assign VPN

2. Select Asset Type → enter PLC Serial → Validate.



NEW ASSET

* Asset Type: Asset_Type1210

PLC type: Vision/Samba/Jazz

* PLC Serial: V8S00B30004

Validate

Cancel Save



3. Enter Asset Name → Save → Download certificate.

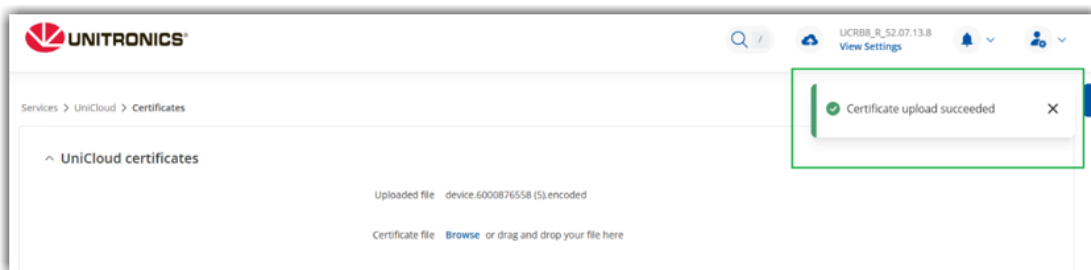
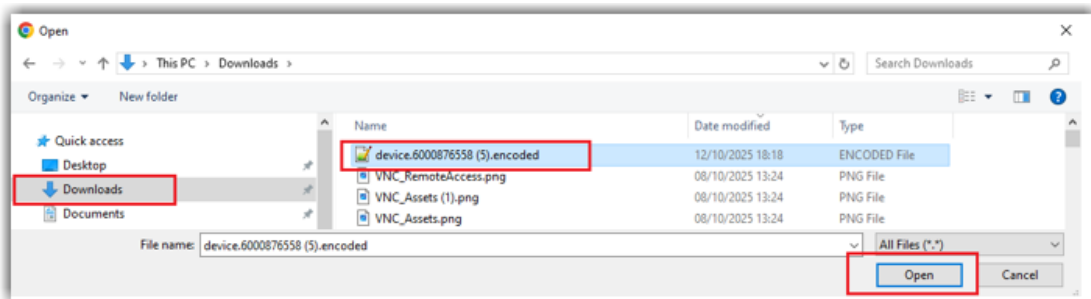
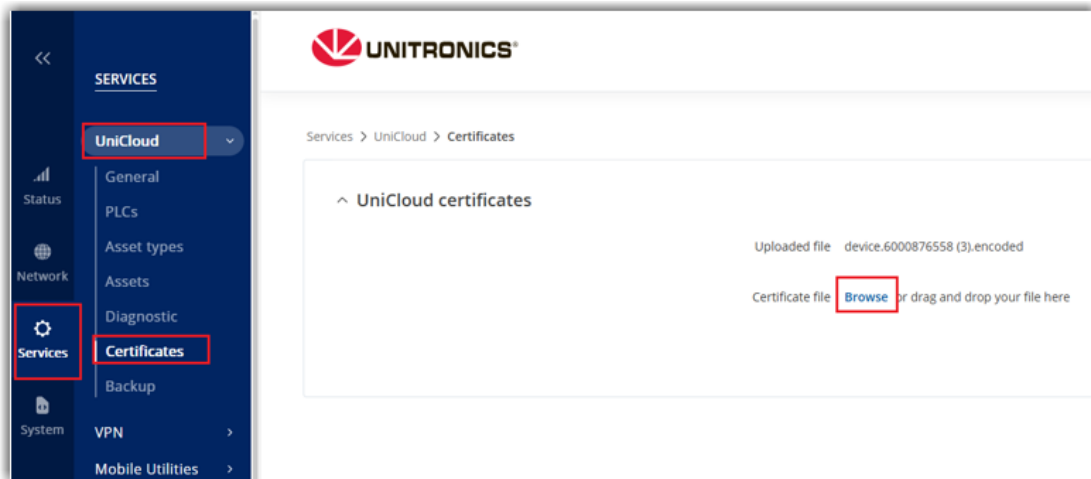
A screenshot of a "NEW ASSET" dialog box. The dialog has a blue header bar with the title "NEW ASSET" and a close button (X). The main area contains several input fields: "Asset Type" (a dropdown menu showing "Asset_Type1210"), "PLC type" (a text field showing "Vision/Samba/Jazz"), "PLC Serial" (a text field showing "V8S00B30006" with a green checkmark), "Asset Name" (a text field showing "Asset1210", highlighted with a red rectangle), "Asset Serial Number" (an empty text field), "Comments" (a large empty text area), and "Router Serial" (a text field showing "6000876558"). At the bottom right, there are two buttons: "Cancel" and "Save". The "Save" button is highlighted with a red rectangle.

A screenshot of a "DOWNLOAD CERTIFICATE" dialog box. The dialog has a blue header bar with the title "DOWNLOAD CERTIFICATE" and a close button (X). The main area contains a single line of text: "Download the asset's certificate here:". At the bottom right, there are two buttons: "Cancel" and "Download". The "Download" button is highlighted with a red rectangle.



Upload Certificate to UNITRONICS ROUTER

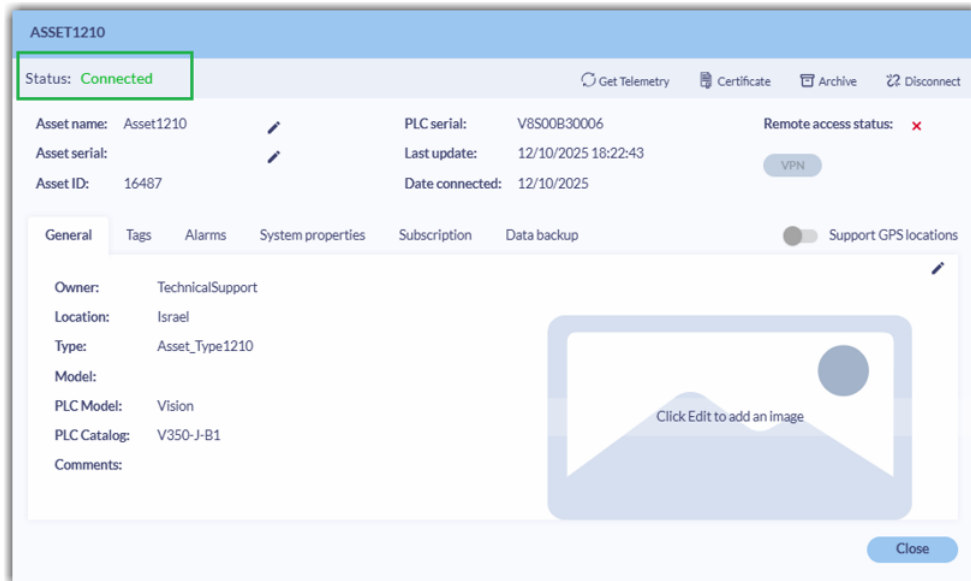
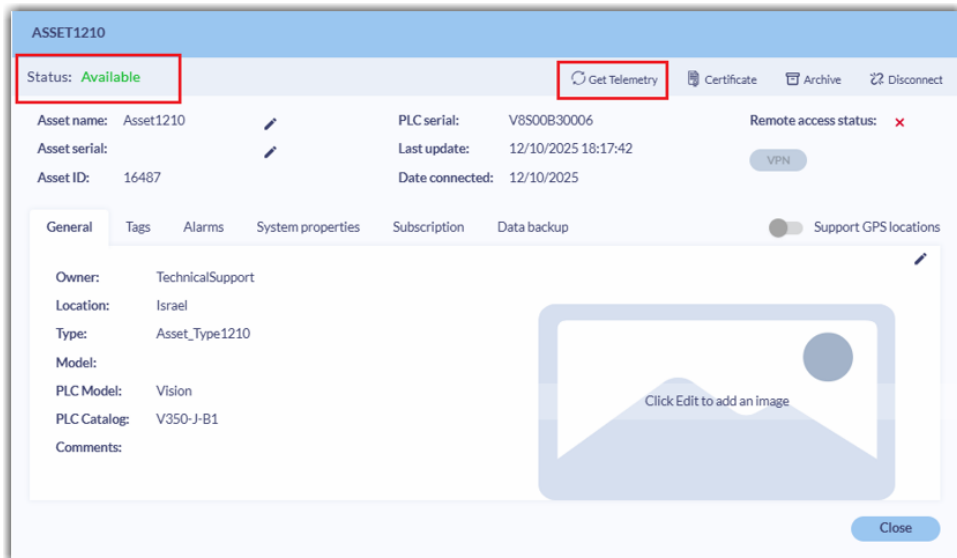
1. On the Unitronics Router: Go to **Services** → **UniCloud** → **Certificates**.
2. Upload the certificate file and confirm upload success.





Once the router configuration completed, return to the UniCloud

1. Click **Get Telemetry**.
2. **Connected:** Tags are received - setup successful!



✅ **Your UNITRONICS ROUTER is now ready to communicate with UniCloud.**

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