

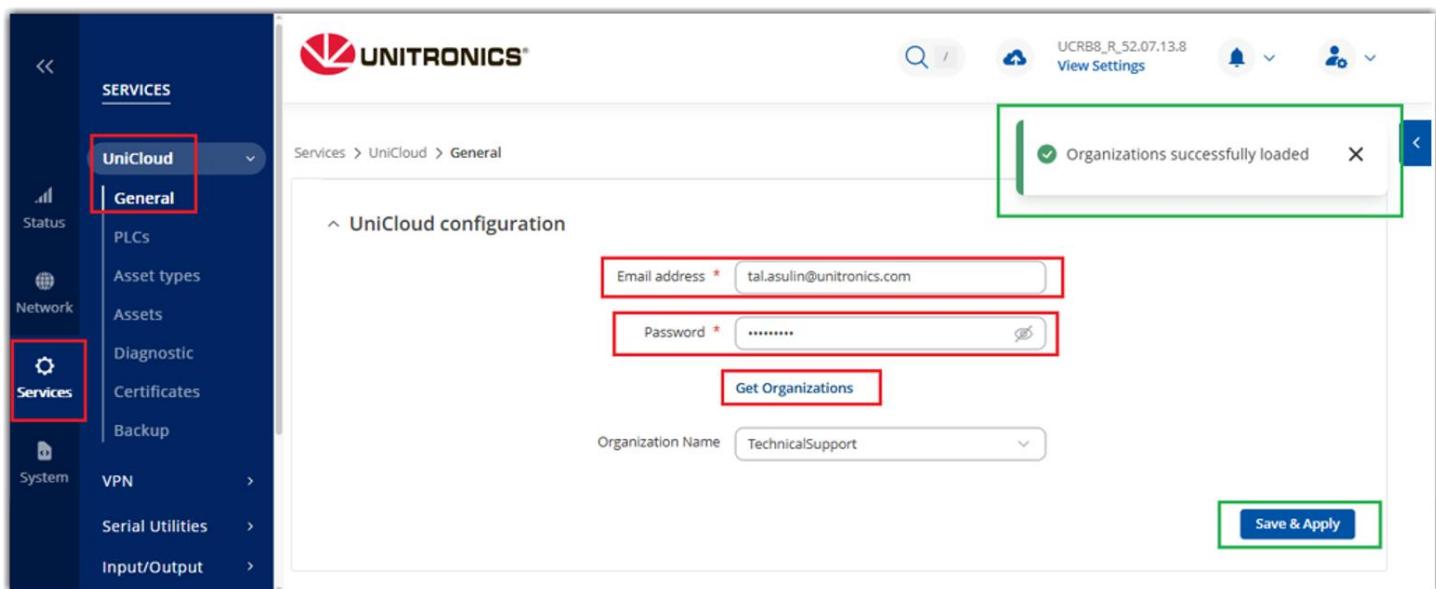


Vision & Samba: Connecting to Unicloud

Connect to the Unicloud Organization

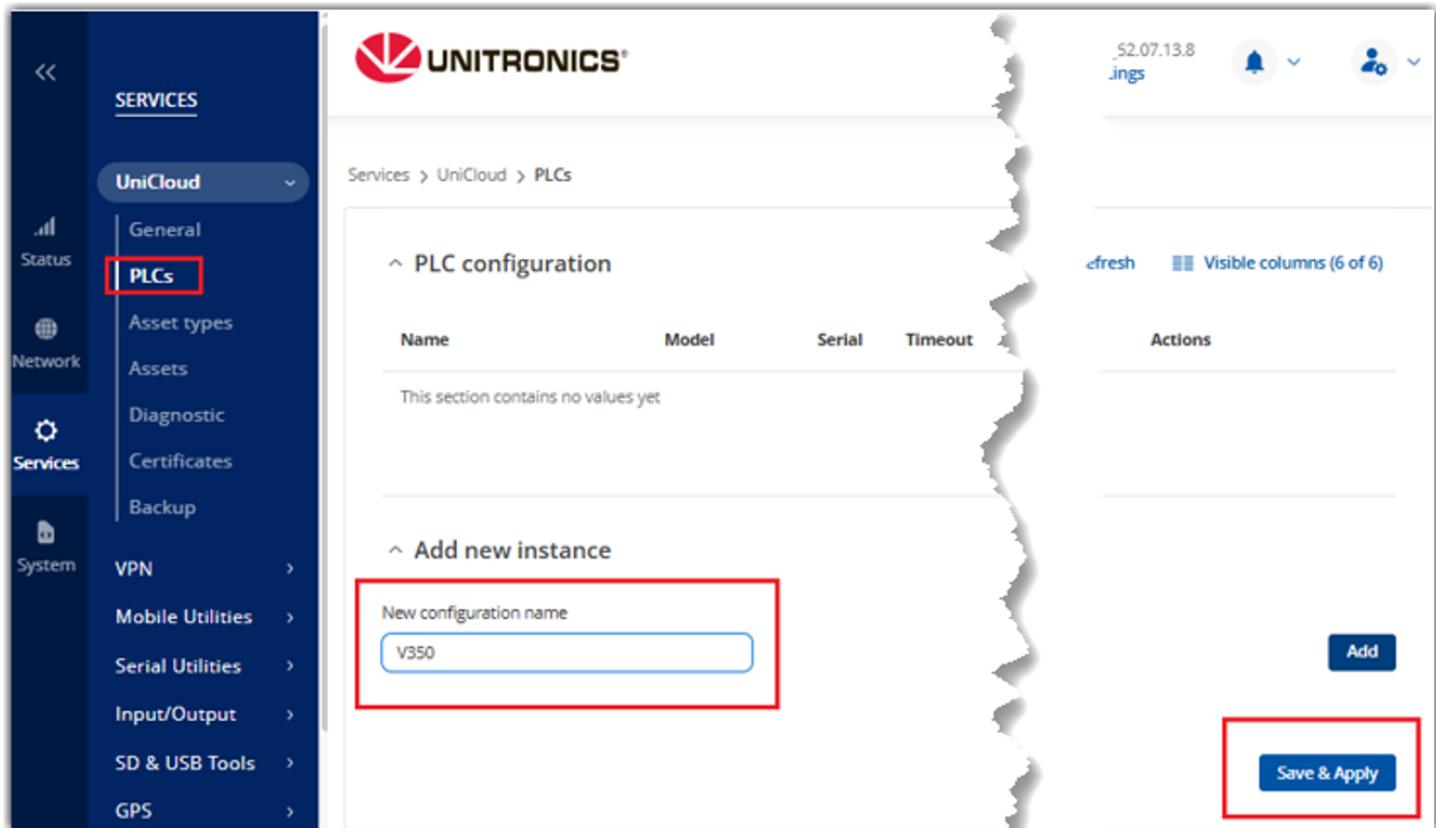
1. Go to **Services** → **UniCloud** → **General**.
2. Enter your UniCloud username and password.
3. Click **Get Organization**, select your organization, then click **Save & Apply**.

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



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. The left sidebar has sections for Status, Network, Services (selected), and System. Under Services, the UniCloud dropdown is open, and the PLCs tab is selected, highlighted with a red box. The main content area shows the "PLC configuration" section with a table header for Name, Model, Serial, and Timeout. Below the table, a message says "This section contains no values yet". Underneath, the "Add new instance" section is visible, featuring a "New configuration name" input field containing "V350", which is also highlighted with a red box. At the bottom right of this section is a blue "Add" button. At the very bottom right of the main content area is a large red box enclosing the "Save & Apply" button.



PLC configuration

Enable on

Name * V350

PLC password Unitronics1! [\(i\)](#)

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 +

Save & Apply

Services

UniCloud

General

PLCs

Asset types

Assets

Diagnostic

Certificates

Backup

Input/Output

SD & USB Tools

GPS

UNITRONICS®

Services > UniCloud > PLCs

PLC configuration

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

Save & Apply

The Complete, No-Code IIoT Cloud Platform for OEMs and Machine Builders



Asset Type Setup

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

The screenshot shows the UniCloud Asset Types configuration page. The left sidebar is titled 'SERVICES' and includes 'UniCloud' (selected), 'General', 'PLCs', 'Asset types' (highlighted with a red box), 'Assets', 'Diagnostic', 'Certificates', and 'Backup'. The main content area shows 'Asset types configuration' with a table header: Name, Description, Asset type, and Actions. A message says 'This section contains no values yet'. Below it is an 'Add new asset type' section with a 'New asset type name' input field containing 'Asset_Type1210' and an 'Add' button highlighted with a red box. There is also a 'Load asset types' section with a 'Load asset types' button and a dropdown for 'Asset types' set to 'Test_create_new'. The bottom right corner has a 'Save & Apply' button highlighted with a red box.

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_Type1210

Asset type description

Asset type Unitronics

Tag configuration

Refresh

Visible columns (8 of 8)

Name	Alias	Description	Type	Data type	Length	Permissions	Actions
MB1		Door_Bit	Bit	MB	1	RO	Delete
MI1		Volume	Numeric	MI		RO	Delete

Add

Alarm configuration

Refresh

Visible columns (6 of 6)

Name	Resolution	Description	Data type	Severity	Actions
Alarm1			MB	Warning	Delete

Add

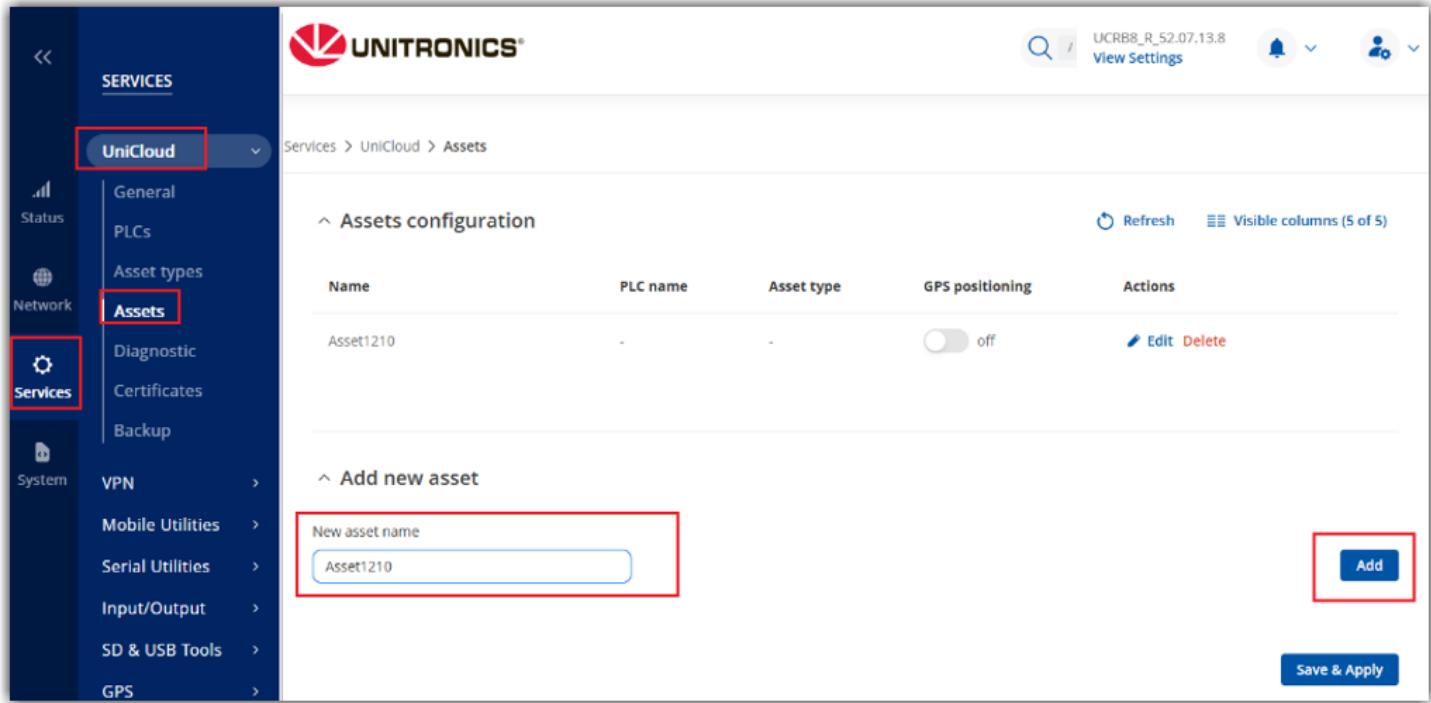
Save & apply

Save & sync

The screenshot shows the UniCloud Asset types configuration screen. The left sidebar has 'UniCloud' selected under 'Asset types'. The main area shows a table with one row for 'Asset_Type1210' with 'Unitronics' as the asset type. A success message box is open, stating 'Asset types loaded successfully' and 'Configuration has been applied'.

Creating a New Asset

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



The screenshot shows the UniCloud interface with the following details:

- Left Sidebar (Services):**
 - UniCloud** (highlighted with a red box)
 - General
 - PLCs
 - Asset types
 - Assets** (highlighted with a red box)
 - Diagnostic
 - Certificates
 - Backup
- Top Bar:**
 - UNITRONICS logo
 - Search bar
 - View Settings
 - Refresh
 - Visible columns (5 of 5)
 - User icon
- Page Content:**
 - Services > UniCloud > Assets
 - Assets configuration** table:
| Name | PLC name | Asset type | GPS positioning | Actions |
| --- | --- | --- | --- | --- |
| Asset1210 | - | - | off | **Edit** **Delete** |
 - Add new asset** section:
 - New asset name: Asset1210 (highlighted with a red box)
 - Add** button (highlighted with a red box)
 - 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 *

Asset type

PLC name

Enable PLC trigger off

Test response: 40

Visible columns (5 of 5)

Actions

Edit Delete

Add

SERVICES

- UniCloud**
- General
- PLCs
- Asset types
- Assets**
- Diagnostic
- Certificates
- Backup

- VPN**
- Mobile Utilities
- Serial Utilities
- Input/Output
- SD & USB Tools
- GPS

UNITRONICS

Services > UniCloud > Assets

Assets configuration

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

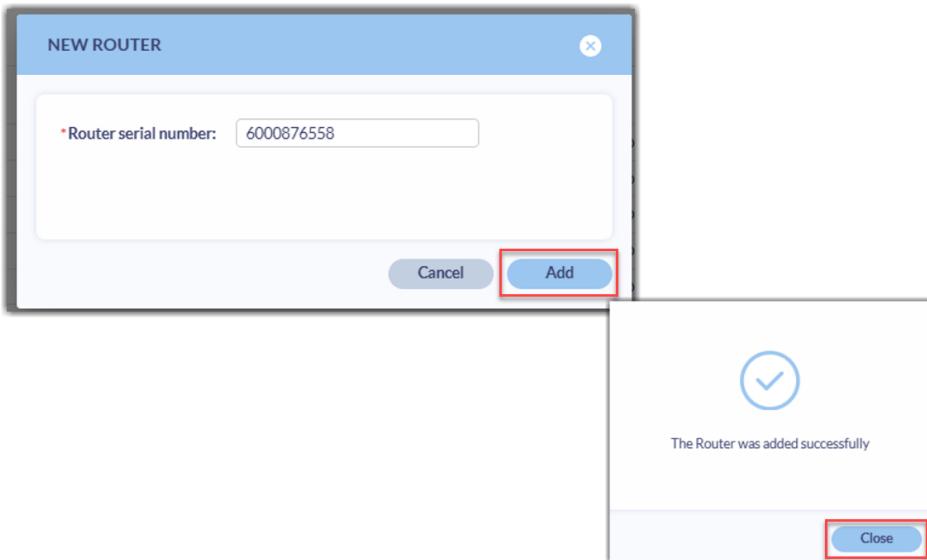
Save & Apply



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.

The screenshot shows the UniCloud Device Management interface. The 'PLC Management' tab is selected, indicated by a red box with the number '2'. The table below shows three PLC entries. A red box with the number '1' highlights the 'Assets Management' tab in the sidebar. A red box with the number '3' highlights a 'Success' message at the bottom right: 'The PLC was added successfully' with a 'Close' button highlighted with a red box.

Serial Numb...	Catalog ...	Date Cre...	Asset Name ...	Date Co...	Router Serial ...	PLC License ...	Subscription's st...	End date	Get Cer...
MDBS004693...	MODBUS	27/05/2025	Modbus_Tests_07	27/05/2025	C	MODBUS Ev...	Expired	27/05/20...	VPN
MDBS004693...	MODBUS	22/05/2025	OpenVPN	22/05/2025	6004723957	MODBUS Ev...	Expired	22/05/20...	VPN
SCRACA00001	USS-B10-T...	27/04/2025	Change_Internet...	27/04/2025		PLC Evaluation	Expired	06/09/20...	VPN WEB VNC



NEW PLC

PLC type: Unitronics

* PLC serial number: V8S00B30006 ✓

Add

A modal window titled "NEW PLC" with two input fields: "PLC type" set to "Unitronics" and "PLC serial number" set to "V8S00B30006" with a green checkmark. At the bottom are "Cancel" and "Add" buttons, with "Add" being highlighted by a red box.

Link PLC to Unitronics Router

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

Serial Number	Model	Catalog Number	Date Created	Owner	# Assets	# PLCs	WEB
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

Router Serial Number: 6000876558 Date Connected: WEB

Owner: TechnicalSupport Edit Router Model: UCR-B8

Location: Israel Edit

Comments: Edit

Assets PLCs

Serial Number	Model	Catalog Number	Date Created	Asset Name

+ Close

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:

Validate



ROUTER DETAILS

Certificate Disconnect WEB

Router Serial Number: 6000876558 Date Connected: 12/10/2025

Owner: TechnicalSupport Router Model: UCR-B8

Location: Israel

Comments:

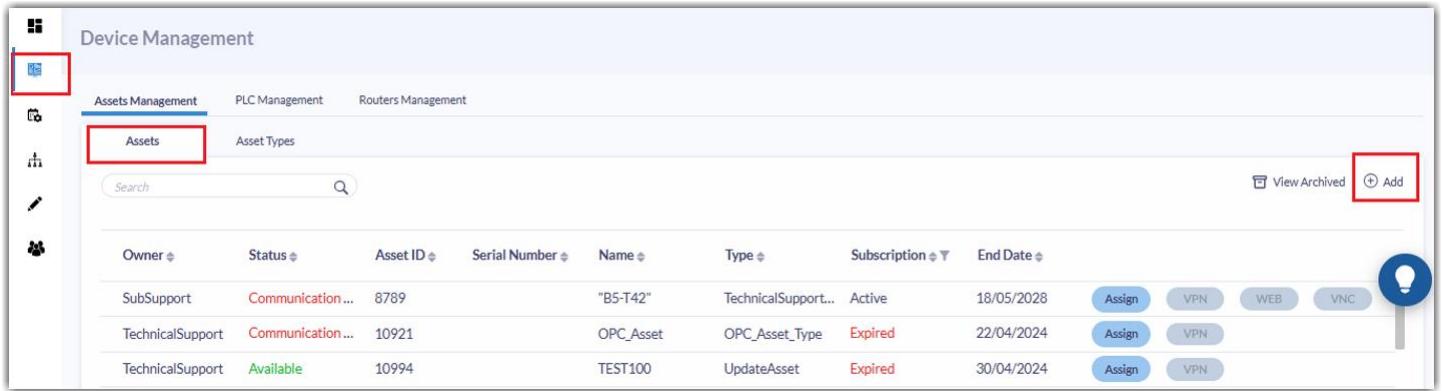
Assets PLCs (1)

Serial Number	Model	Catalog Number	Date Created	Asset Name
V8S00B3006	Vision	V350-J-B1	12/10/2025	

Close

Create Asset in UniCloud

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



Device Management

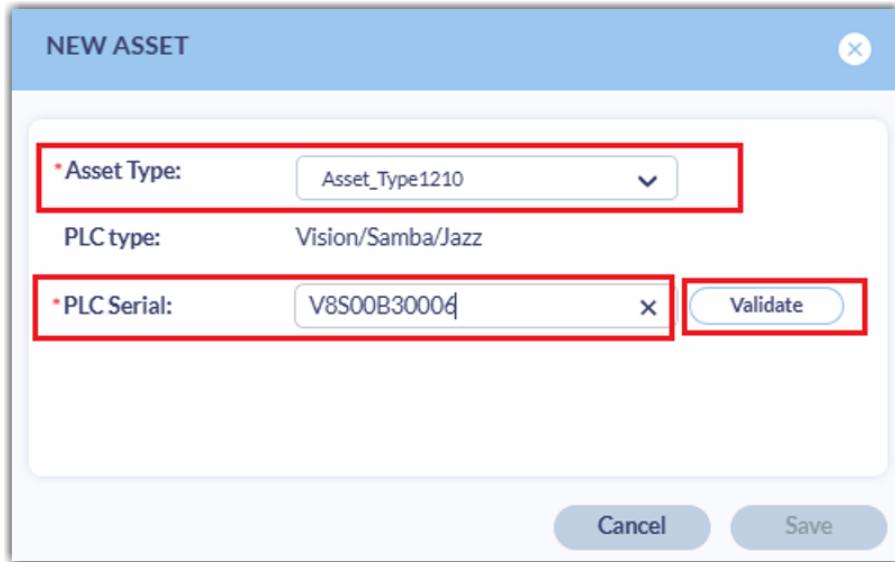
Assets Management PLC Management Routers Management

Assets Asset Types

Search

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

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



NEW ASSET

*Asset Type: Asset_Type1210

PLC type: Vision/Samba/Jazz

*PLC Serial: V8S00B30006



3. Enter Asset Name → Save → Download certificate.

NEW ASSET

*Asset Type: Asset_Type1210

PLC type: Vision/Samba/Jazz

*PLC Serial: V8S00B30006

*Asset Name: Asset1210

Asset Serial Number:

Comments:

Router Serial: 6000876558

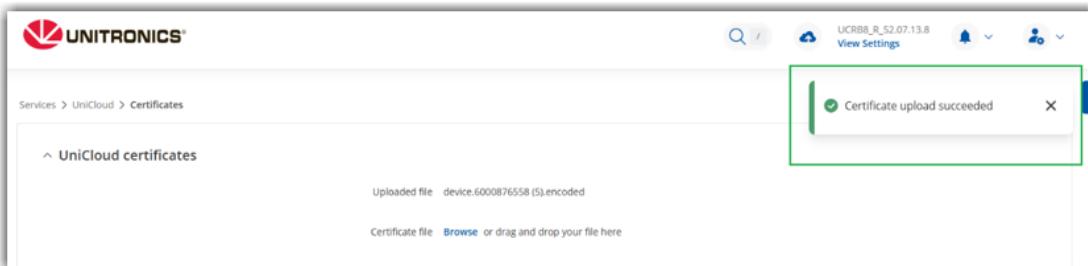
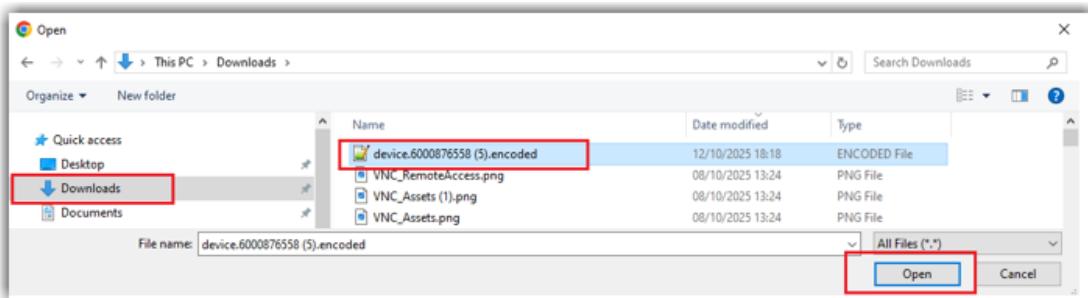
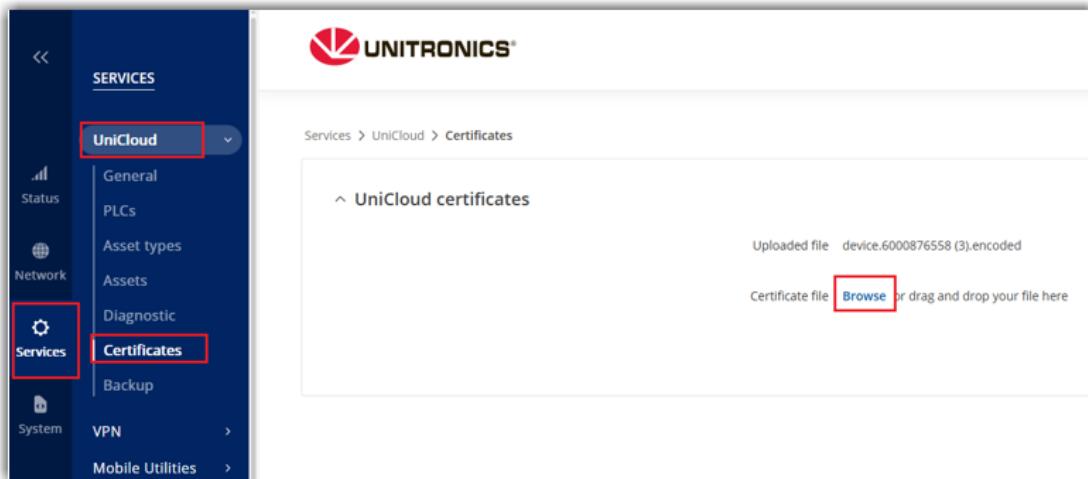
DOWNLOAD CERTIFICATE

Download the asset's certificate here:



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!

ASSET1210

Status: **Available**

Asset name: Asset1210 PLC serial: V8S00B30006 Remote access status: **×**

Asset serial: Last update: 12/10/2025 18:17:42 **VPN**

Asset ID: 16487 Date connected: 12/10/2025

General Tags Alarms System properties Subscription Data backup Support GPS locations

Owner: TechnicalSupport
Location: Israel
Type: Asset_Type1210
Model:
PLC Model: Vision
PLC Catalog: V350-J-B1
Comments:

Click Edit to add an image

ASSET1210

Status: **Connected**

Asset name: Asset1210 PLC serial: V8S00B30006 Remote access status: **×**

Asset serial: Last update: 12/10/2025 18:22:43 **VPN**

Asset ID: 16487 Date connected: 12/10/2025

General Tags Alarms System properties Subscription Data backup Support GPS locations

Owner: TechnicalSupport
Location: Israel
Type: Asset_Type1210
Model:
PLC Model: Vision
PLC Catalog: V350-J-B1
Comments:

Click Edit to add an image

Your UNITRONICS ROUTER is now ready to communicate with UniCloud.