



ecomizerpro

ROUTER INSTALLATION & SIM CARD TOP-UP MANUAL

impulse

SOFTWARE INSTALLATION GUIDE

Ecomizer-Pro Router

Initial Configuration and SIM Card Administration

This guide describes how to install the Impulse Ecomizer-Pro firmware and software on the router. Including the steps for SIM-card activation and registration and router administration.

Table of Contents

1	INITIAL ROUTER FIRMWARE & SOFTWARE INSTALLATION	3
1.1	Powering Up and Checking Indicators	3
1.2	Connecting to the Router	3
1.3	Check firmware version of router	4
1.4	Uploading the firmware	4
1.5	Uploading the software	7
2	SIM CARD AND ROUTER ADMINISTRATION	9
2.1	SIM card labelling	9
2.2	Checking (remaining) data on SIM-card.	11
2.3	Top-up SIM-card data	12
2.4	Router administration	13
2.4.1	Cloudportal administration	13
2.4.2	SuperLink administration	14
3	CONTACT & SUPPORT	16

1 Initial Router Firmware & Software Installation

Before the router can be used in the Ecomizer-Pro pump portal, it must be loaded with the Impulse Ecomizer-Pro control software. Follow the steps below to complete the initial installation.

1.1 Powering Up and Checking Indicators

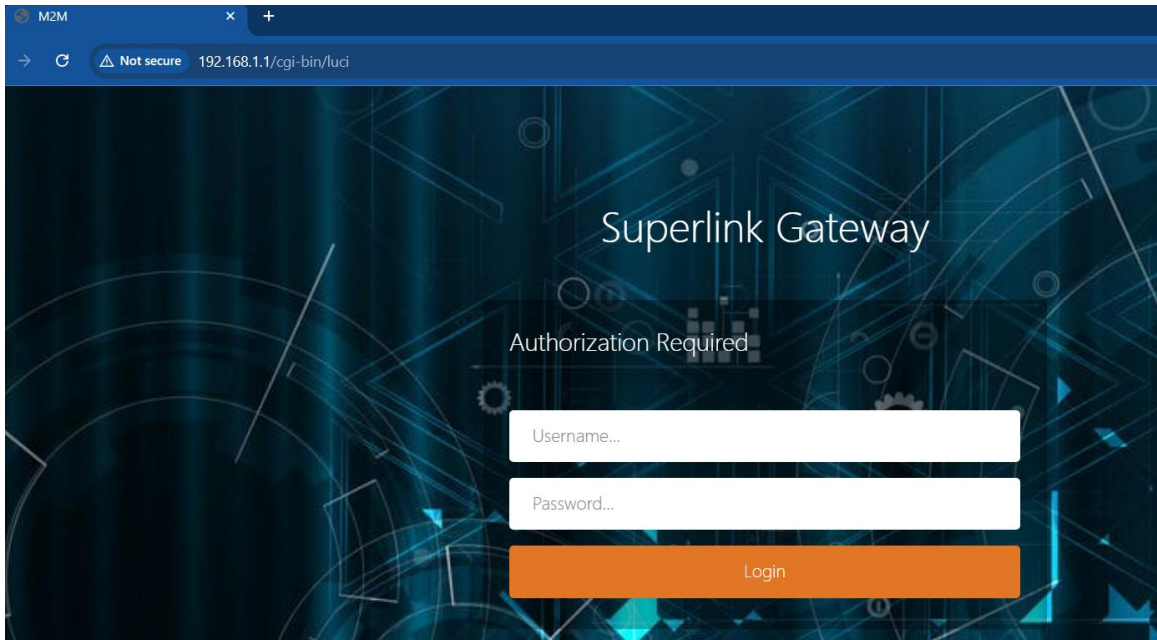
1. Connect the router to a **12V power supply**.
2. Verify that the **PWR indicator** is lit green, confirming that the router is receiving power.

1.2 Connecting to the Router

1. Connect the router to your laptop using a network cable, plugged into the (bottom) **LAN port** on the router.
2. Open a web browser (Firefox, Chrome, Edge, or similar) and navigate to the router's IP address:

http://192.168.1.1

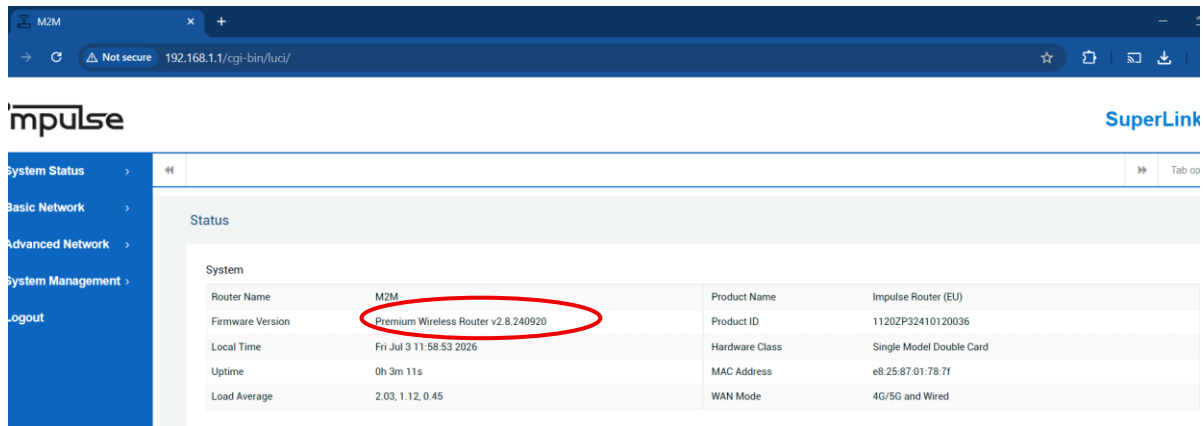
3. Log in to the router portal using the default credentials:



Username	admin
Password	admin

1.3 Check firmware version of router

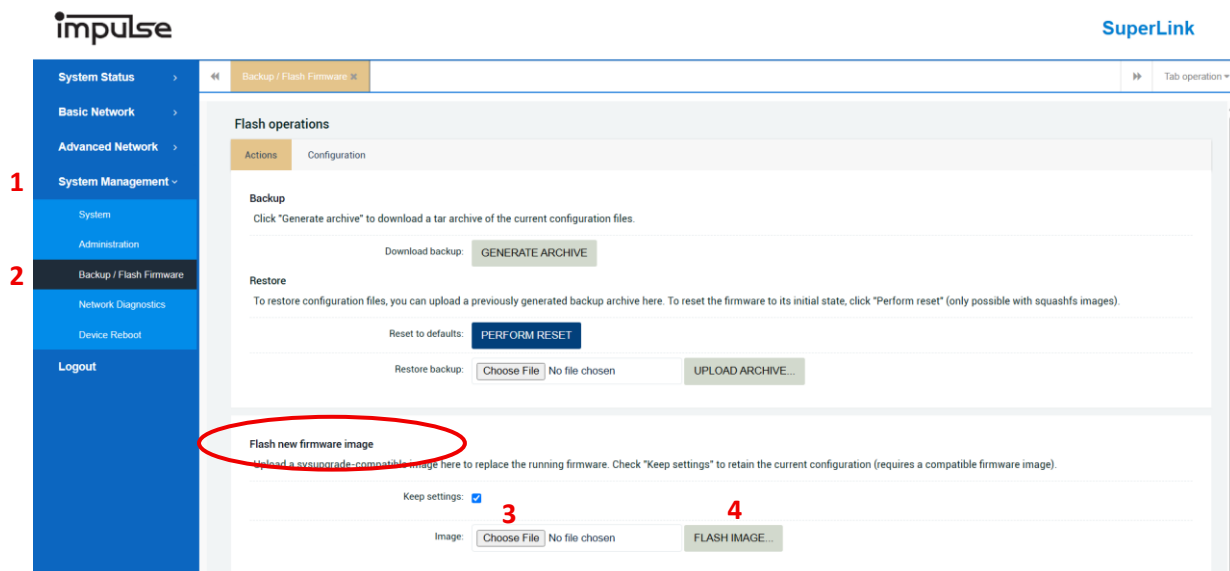
Check if the router firmware is the same version as the latest available version on the website of Impulse (www.impulsebv.com).



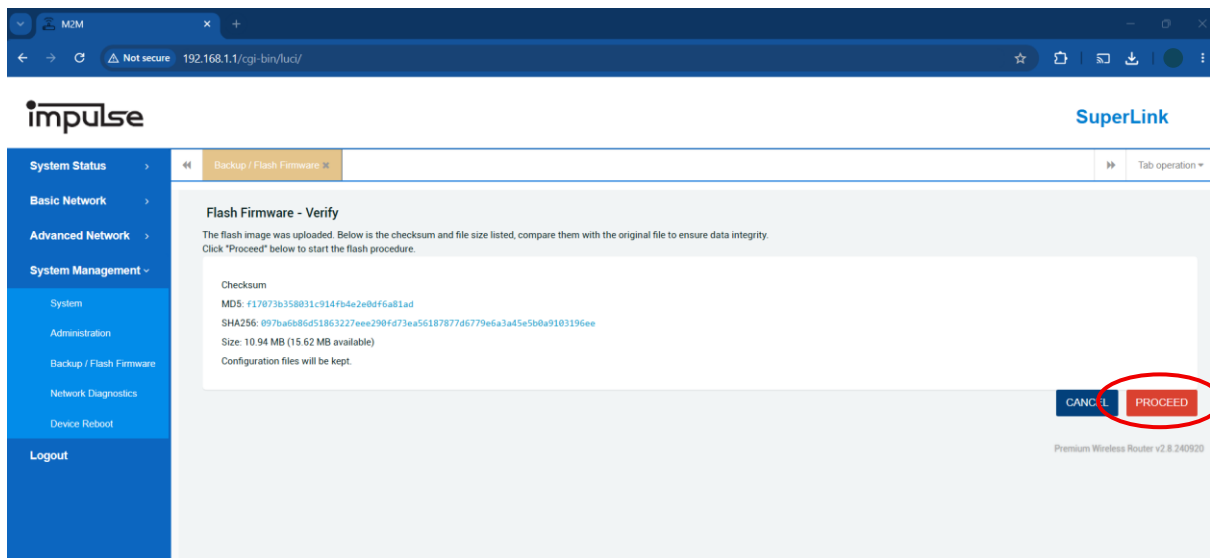
- If the firmware version is not the same, go to [chapter 1.4](#). Otherwise proceed to [chapter 1.5](#).

1.4 Uploading the firmware

1. System Management
2. Back-up / Flash Firmware
3. Choose File (select the router firmware file from the Impulse website)
4. Flash image

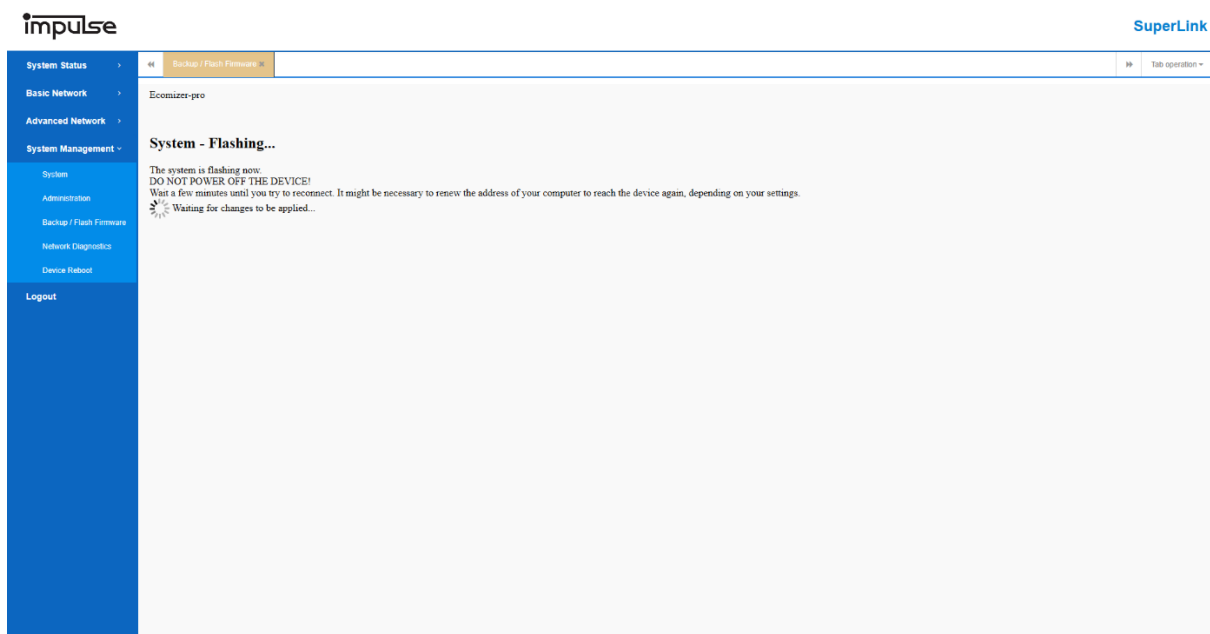


Note: Press ONLY one time on FLASH IMAGE and then WAIT. It will take up-to 1 minute before the screen change to image below. Do not keep on clicking!



5. Press Proceed for uploading Firmware

Activation screen pop-up and couple of seconds later the following Superlink login screen comes up.

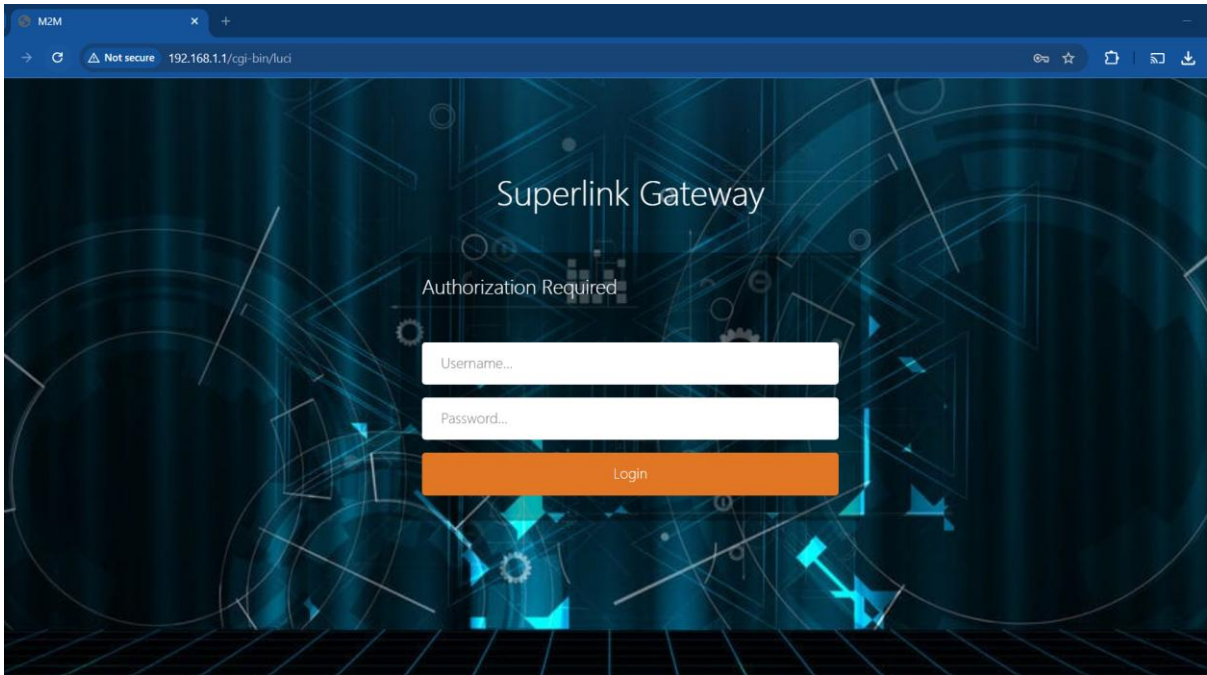


After a couple of seconds, the connection with laptop/computer will be gone and the computer gives the SUPERLINK GATEWAY login screen.

While there is a FIRMWARE upload active from computer to router login will not directly be possible.

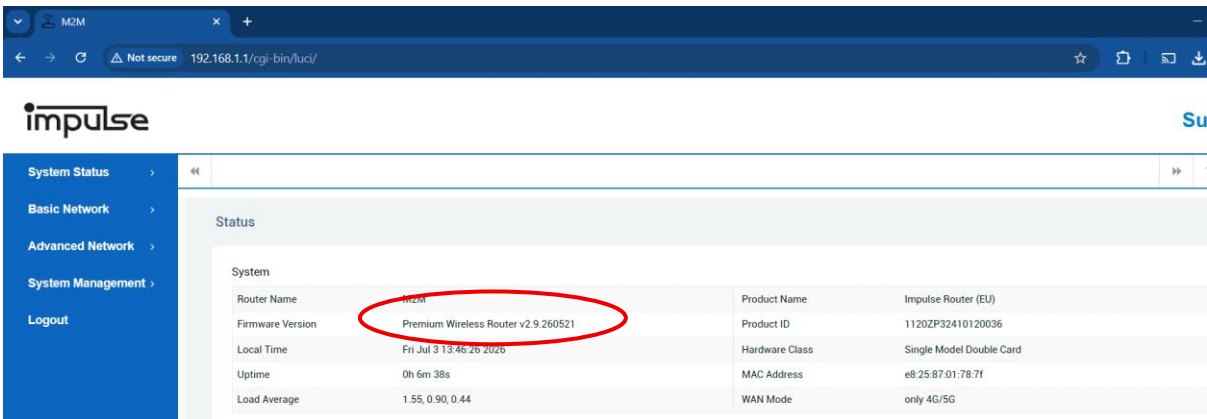
Note: Here you need to wait for 4 to 5 minutes. Up till the router is completely restarted and the SIM 1 LED indicator will burn continuously.

6. Log in with the default credentials.



Username	admin
Password	admin

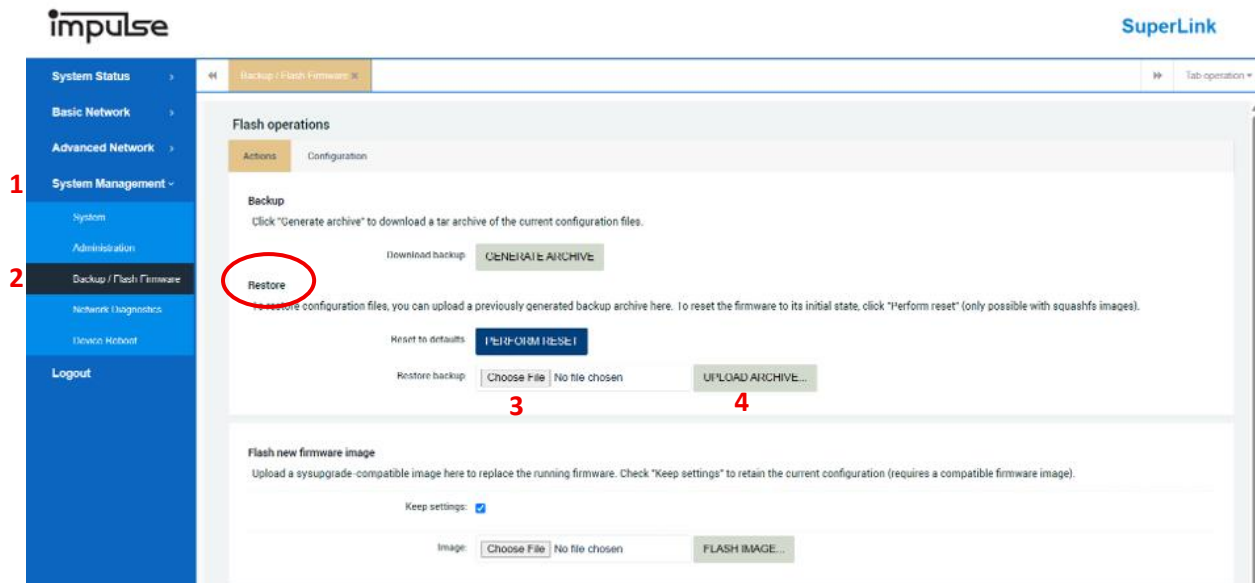
7. Check the new firmware version if this is the same as the uploaded firmware file.



1.5 Uploading the software

Once logged in, navigate to the following location in the router's menu to upload the Impulse Ecomizer-Pro software:

1. **System Management**
2. Back-up / Firmware
3. Select File (select the router software file from the Impulse website)
4. **Upload / Archive**

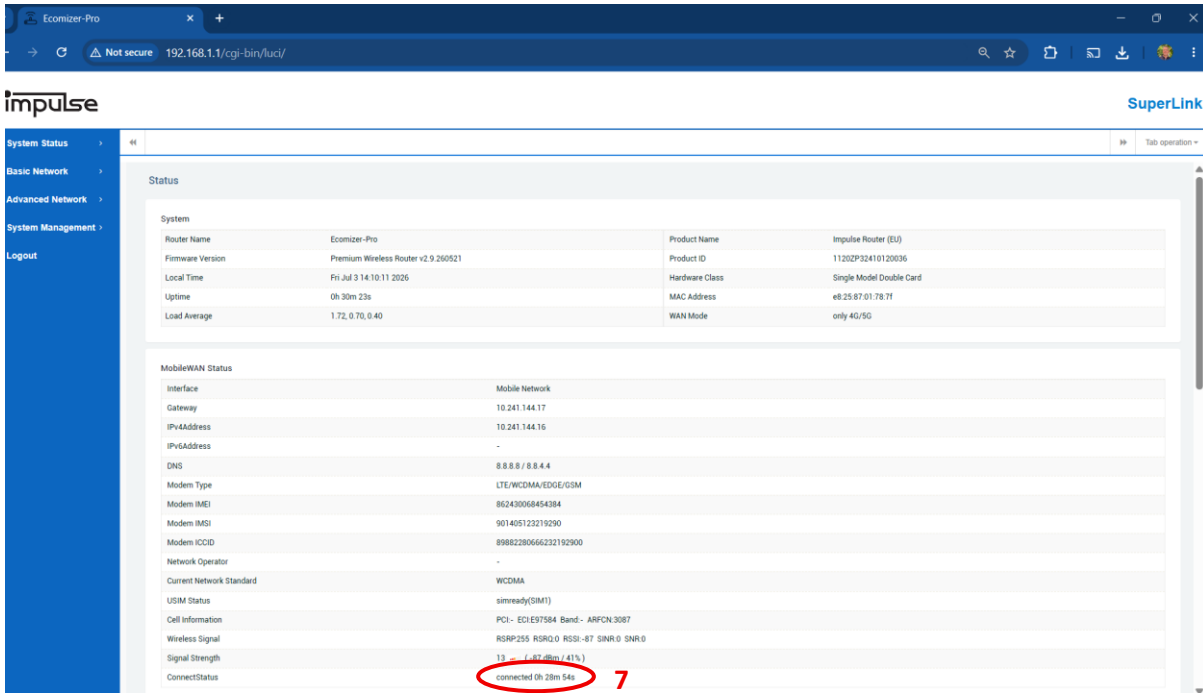


Note: After pressing UPLOAD ARCHIVE... wait. It will take up-to 1 minute before the screen change to image below. Do not keep on clicking!

5. After approx. 3 minutes: refresh the web browser
6. Check if 'Ecomizer-Pro' shows in the tab



7. Log in and check of the router is online.



If *connectStatus* shows 'connected' go to chapter 2.

If *connectStatus* shows '**something else**', proceed to the next steps.

Check network connectivity:

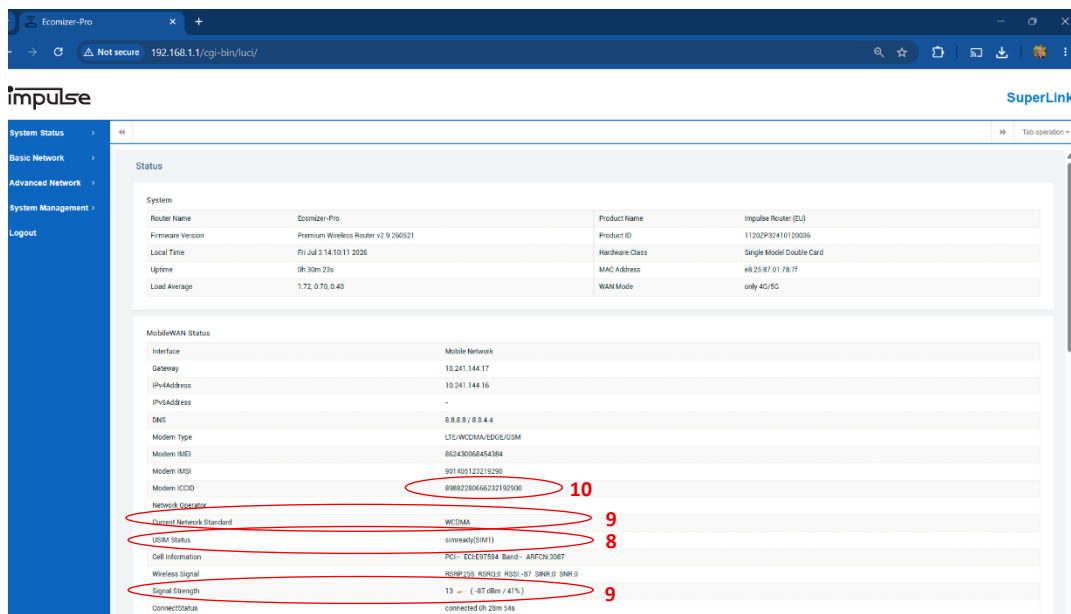
8. Check the 'USIM status' for SIM-card recognition indicated by 'simready(SIM1)'. If the status is: 'nosim(SIM1)' place 1NCE-sim in slot 1. (Be sure that there is data on the sim)

Still not online?

9. Check current network standard.
If the current network standard is showing 'no service' check the antenna cable and signal strength.

Still not online?

10. Check data on sim-card on 1NCE portal, use your *Modem ICCID* number. (the first 19 digits) (<https://portal.1nce.com/en/portal/customer/login>)

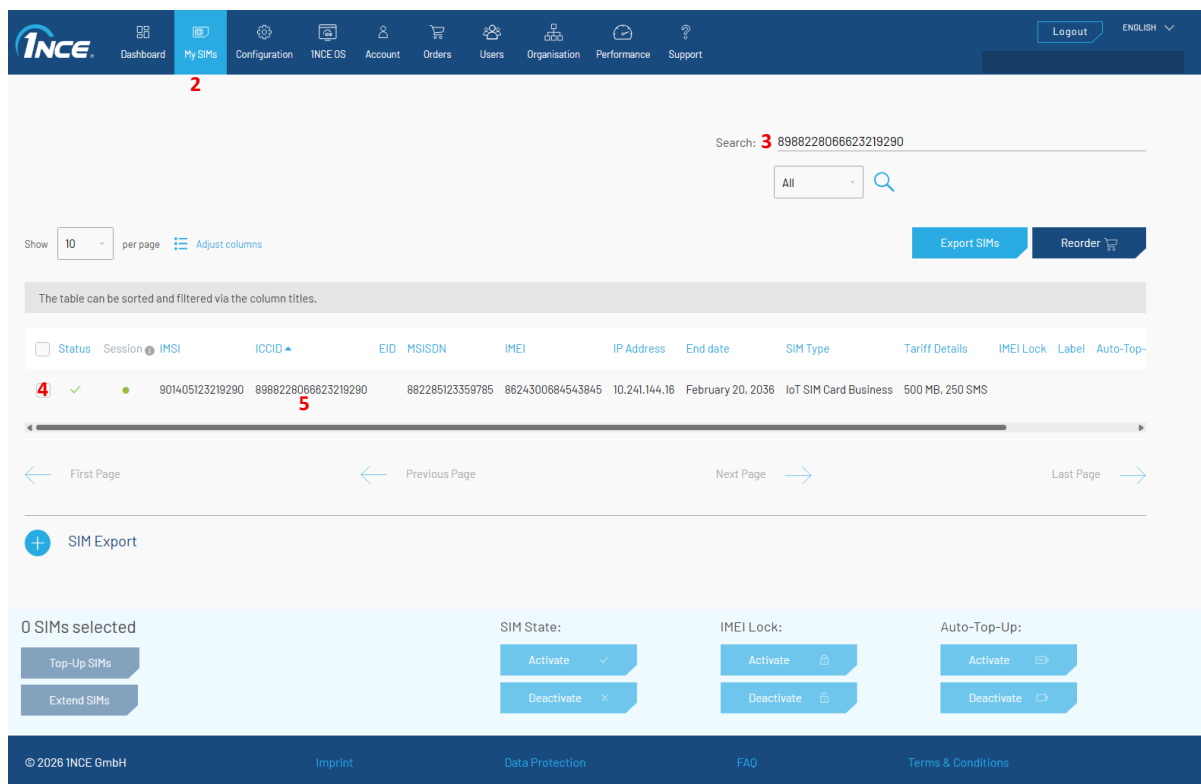


2 SIM Card and router administration

After the router software has been installed, the 1NCE SIM card is active you can fill-in the final administration details for more convenient use of Ecomizer-Pro pump controller.

2.1 SIM card labelling

1. Go to: <https://portal.1nce.com/en/portal/customer/login>
2. Go to 'My SIMs'
3. Enter your ICCID (SIM card) number in the search field and press enter
4. The SIM card will be shown.
5. Click on the ICCID number



1NCE Dashboard My SIMs Configuration 1NCE OS Account Orders Users Organisation Performance Support Logout ENGLISH

2

Search: 3 8988228066623219290

All

Show 10 per page Adjust columns Export SIMs Reorder

The table can be sorted and filtered via the column titles.

Status	Session	IMSI	ICCID	EID	MSISDN	IMEI	IP Address	End date	SIM Type	Tariff Details	IMEI Lock	Label	Auto-Top-
4	✓	901405123219290	8988228066623219290	882285123359785	8624300884543845	10.241.144.16	February 20, 2036	IoT SIM Card Business	500 MB, 250 SMS				

5

First Page Previous Page Next Page Last Page

+ SIM Export

0 SIMs selected

Top-Up SIMs Extend SIMs

SIM State: Activate Deactivate

IMEI Lock: Activate Deactivate

Auto-Top-Up: Activate Deactivate

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6. Enter your unique SIM-card label. (*normally the pump equipment number*)

SIM Details

ICCID: 8988228066623219290
 IMSI: 901405123219290
 MSISDN: 882285123359785

6 Label

Lifetime

Lifetime total: 10 years 0 months
 Time passed: 6 %
 Time left: 9 years 7 months
 End date: February 20, 2036

Network

SIM Status: Activated
 Session-Status: Online
 IMEI: 8624300684543845
 IP-Address: 10.241.144.16
 Operator / Country: T-Mobile / Netherlands
 Access Technology: 3G

Control Bar: Deactivate, Activate, Auto-Top-Up, Reset connection, Top-Up SIM, Extend SIM

7. Press save

SIM Details

ICCID: 8988228066623219290
 IMSI: 901405123219290
 MSISDN: 882285123359785

7 Label

Example AB-1234567

Lifetime

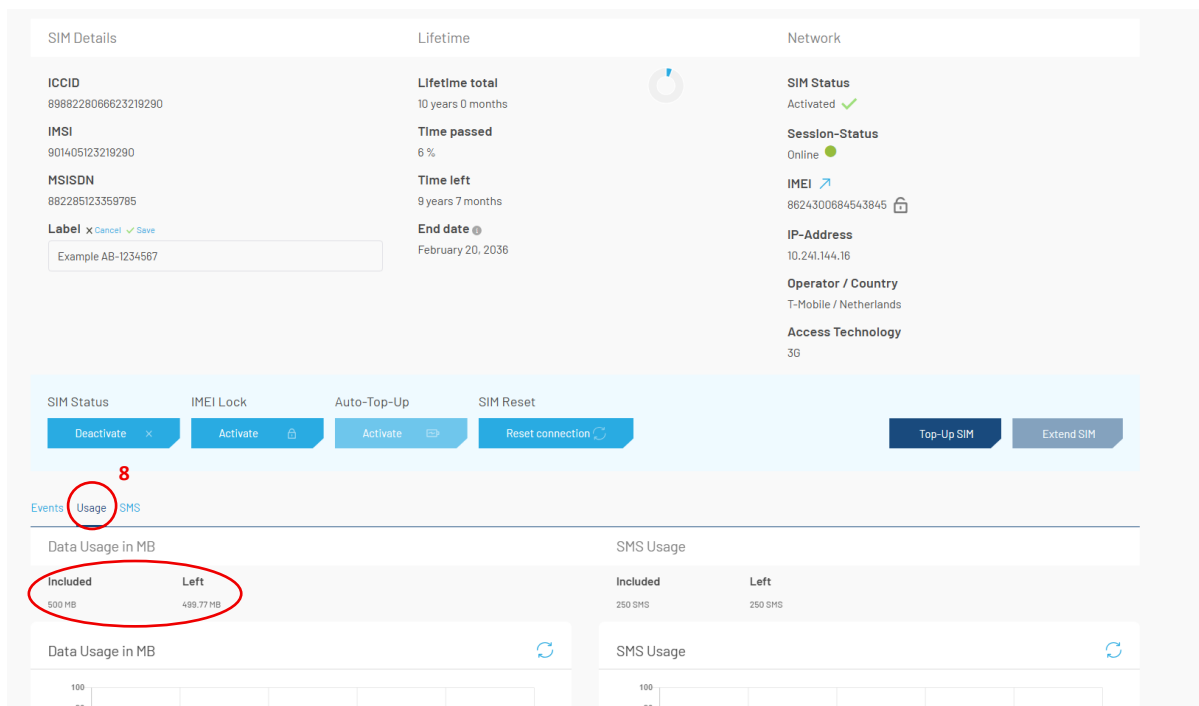
Lifetime total: 10 years 0 months
 Time passed: 6 %
 Time left: 9 years 7 months
 End date: February 20, 2036

Network

SIM Status: Activated
 Session-Status: Online
 IMEI: 8624300684543845
 IP-Address: 10.241.144.16
 Operator / Country: T-Mobile / Netherlands

2.2 Checking (remaining) data on SIM-card.

8. Press 'Usage' to see data bundle and remaining data.

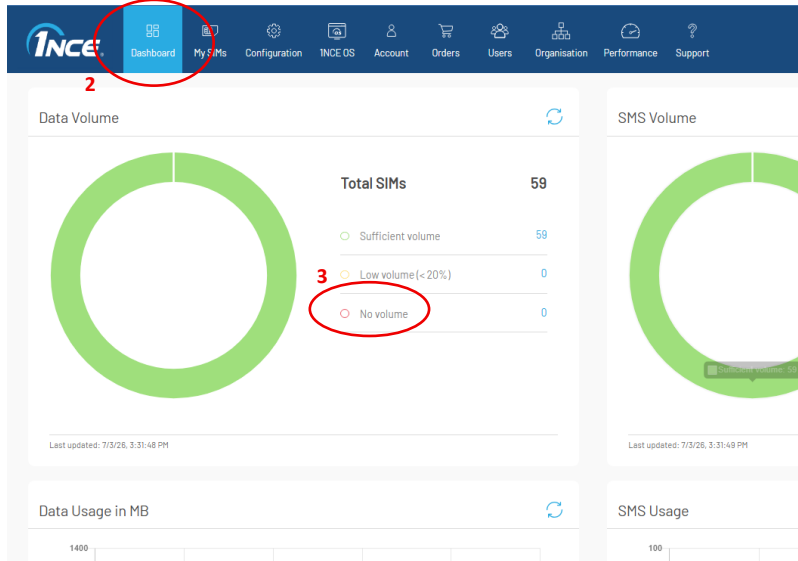


The screenshot displays the SIM card management interface with the following sections:

- SIM Details:** ICCID (898822806623219290), IMSI (901405123219290), MSISDN (882285123359785), and a Label field (Example AB-1234567).
- Lifetime:** Lifetime total (10 years 0 months), Time passed (6%), Time left (9 years 7 months), and End date (February 20, 2036).
- Network:** SIM Status (Activated), Session-Status (Online), IMEI (8624300684543845), IP-Address (10.241.144.16), Operator / Country (T-Mobile / Netherlands), and Access Technology (3G).
- Actions:** Deactivate, Activate, Auto-Top-Up, SIM Reset, Top-Up SIM, and Extend SIM buttons.
- Events:** Usage (highlighted with a red circle) and SMS tabs.
- Data Usage in MB:** Includes a table with 'Included' (500 MB) and 'Left' (499.77 MB) values, both highlighted with a red circle.
- SMS Usage:** Includes a table with 'Included' (250 SMS) and 'Left' (250 SMS) values.

2.3 Top-up SIM-card data

1. Go to <https://portal.1nce.com/en/portal/customer/login>
2. Go to dashboard.
3. Select 'No Volume' to see all SIM-cards without data.



4. Select the SIM-cards you would like to top-up
5. Then press 'Top-Up SIMs' and proceed with payment

Show per page [Adjust columns](#)

The table can be sorted and filtered via the column titles.

<input type="checkbox"/>	Status	Session	IMSI	ICCID	EID
<input checked="" type="checkbox"/>	✓	●	901405103882612	8988228066603882612	
<input type="checkbox"/>	✓	●	901405104791761	8988228066604791761	
<input checked="" type="checkbox"/>	✓	●	901405104791775	8988228066604791775	
<input checked="" type="checkbox"/>	✓	●	901405104791776	8988228066604791776	
<input type="checkbox"/>	✓	●	901405104791779	8988228066604791779	
<input type="checkbox"/>	✓	●	901405104791789	8988228066604791789	

3 SIMs selected

2.4 Router administration

After the SIM-card administration has been finished the router administration can be completed. To fill in the details, follow the next steps.

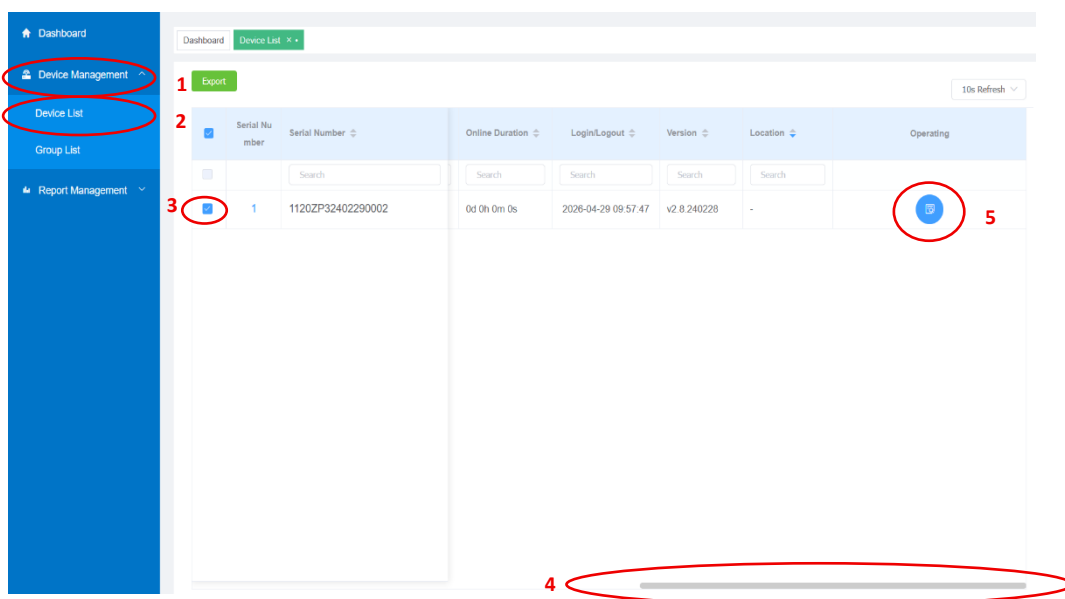
2.4.1 Cloudportal administration

1. Login on <https://remote.ecomizerpro.com/login>

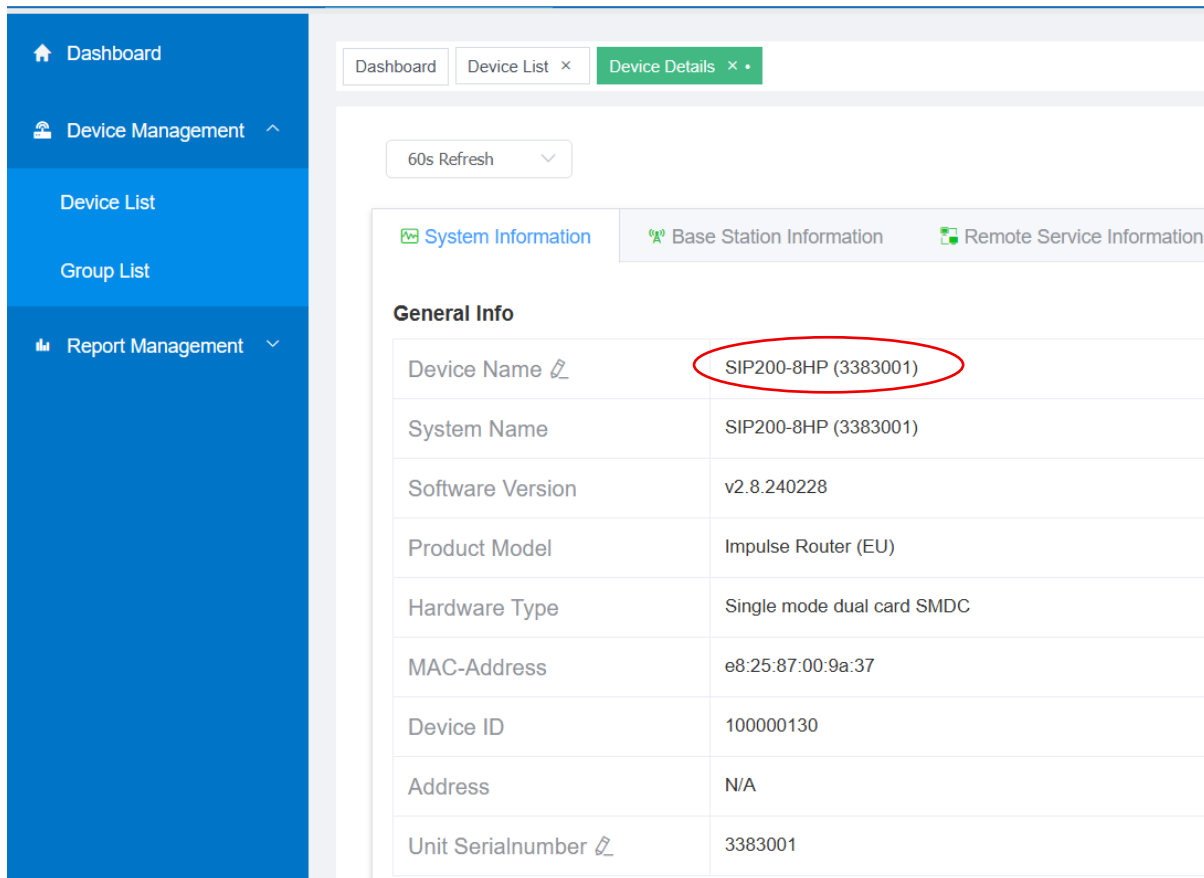


2. Go to:

1. **Device Management**
2. Device list
3. Select router serial number
4. Scroll all to the right side
5. Press the blue button, for device details



3. Label your equipment number here (Double click)
4. Press 'enter' to save



Dashboard | Device List x | Device Details x •

60s Refresh

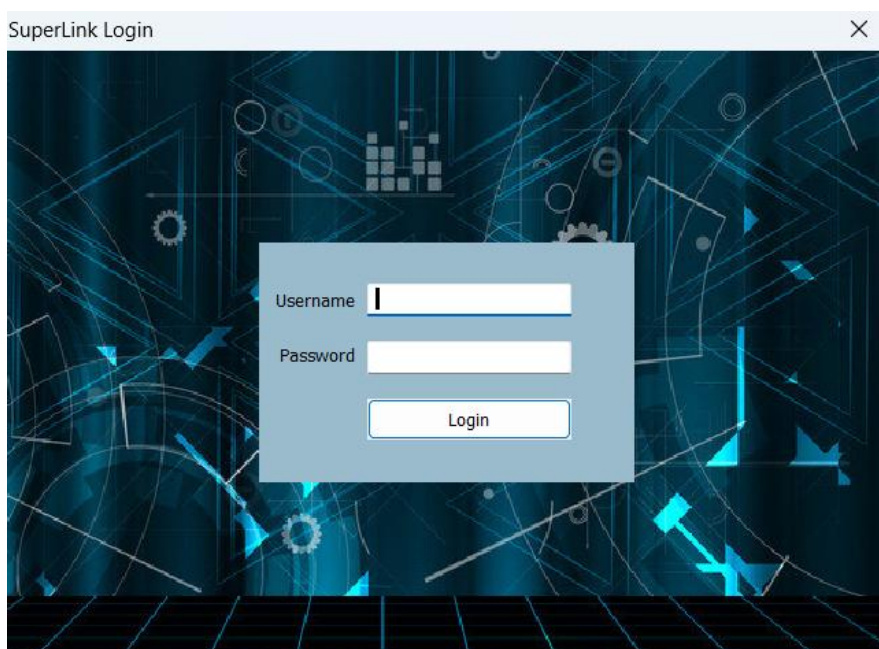
System Information | Base Station Information | Remote Service Information

General Info

Device Name 🔗	SIP200-8HP (3383001)
System Name	SIP200-8HP (3383001)
Software Version	v2.8.240228
Product Model	Impulse Router (EU)
Hardware Type	Single mode dual card SMDC
MAC-Address	e8:25:87:00:9a:37
Device ID	100000130
Address	N/A
Unit Serialnumber 🔗	3383001

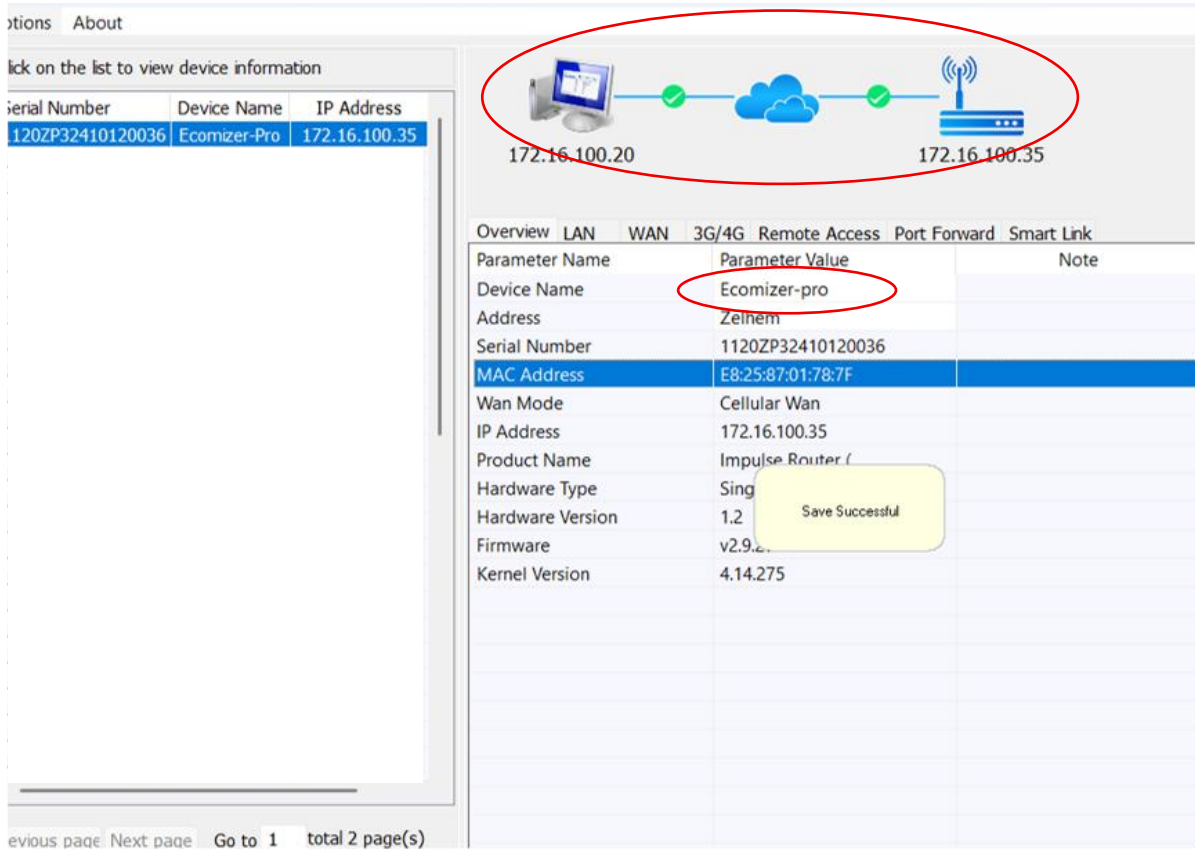
2.4.2 SuperLink administration

1. Download the Superlink software available on Impulse website.
2. Login with your credentials as supplied by Impulse.



3. Double click on the device name to change the name.
4. Fill in the name in the field of the device name
5. Click on any line under the device name to save your new name
6. Make sure you see the 'Save successful' pop-up

Note: Only possible when the machine (router) is online



Options About

Click on the list to view device information

Serial Number	Device Name	IP Address
1120ZP32410120036	Ecomizer-Pro	172.16.100.35

172.16.100.20 172.16.100.35

Overview	LAN	WAN	3G/4G	Remote Access	Port Forward	Smart Link
Parameter Name	Parameter Value		Note			
Device Name	Ecomizer-pro					
Address	Zelhem					
Serial Number	1120ZP32410120036					
MAC Address	E8:25:87:01:78:7F					
Wan Mode	Cellular Wan					
IP Address	172.16.100.35					
Product Name	Impulse Router (
Hardware Type	Sing					
Hardware Version	1.2					
Firmware	v2.9.2					
Kernel Version	4.14.275					

Previous page Next page Go to 1 total 2 page(s)

3 Contact & Support

For technical assistance, contact Impulse Pumps B.V.:

Address	Arendsenweg 9, 7021 PC Zelhem, The Netherlands
Telephone	+31 (0)314 64 12 88
E-mail	info@impulsebv.com
Website	www.impulsebv.com

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