

Sirio WiFi Module

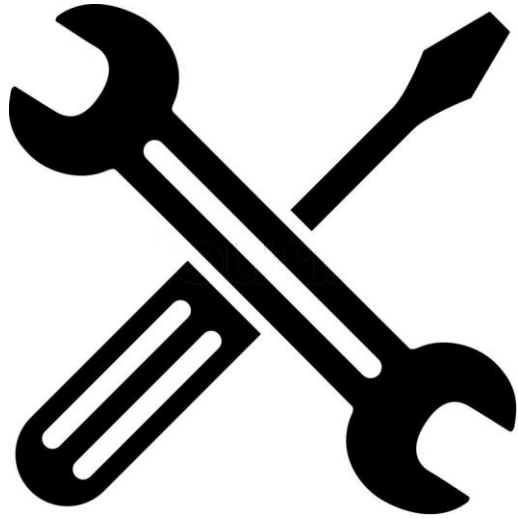


End user reference manual (EN)

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Section 1



Setup and initial configuration

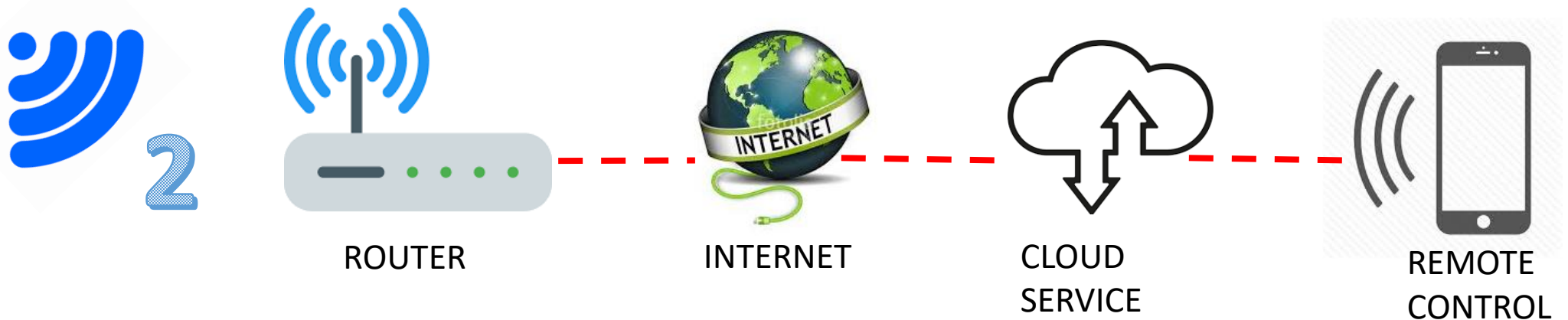


Install the WiFi device close to Sirio according to instruction manual and power-on the inverter

The WiFi Device can manage 1 WiFi nets.



The first network is automatically generated by the module and can be accessed using the WPA key (password) printed on the device's label or by scanning the QR code on the label with your phone's camera. It must be used to configure the second Wi-Fi connection.



The second WiFi connection allows the module to connect to your router (or hotspot) and to connect to internet in order to be remotely controlled through a cloud service.

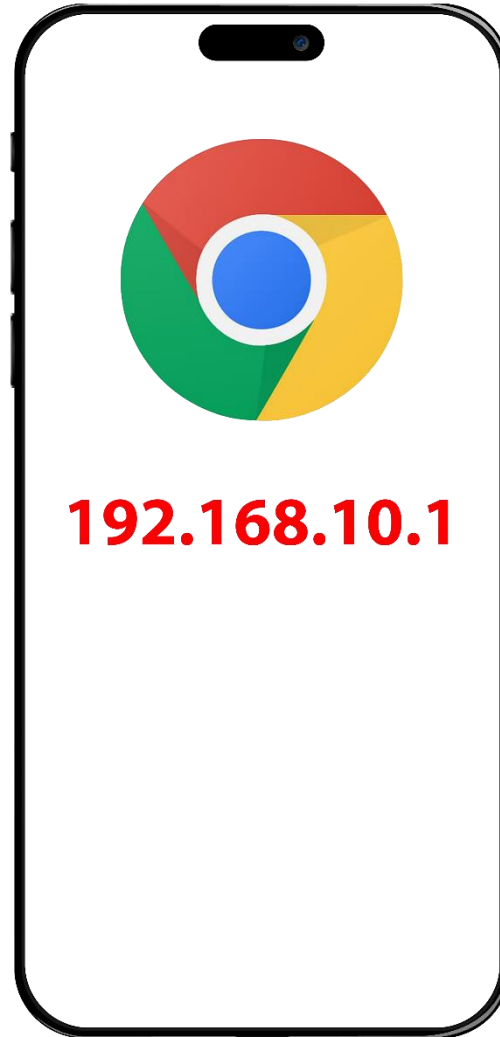


SSID: WINET- 4DE3030D

To setup the module, connect (with a smartphone, tablet or laptop) to the self generated network (SSID begins with WiNET followed by the last 8 digits of the MAC address). The WPA key is printed on the label outside the package.



Using the camera, scan the QR code to connect directly to the Wi-Fi generated by the module.



Once connected to the WiFi module network, open Google Chrome.

In the top address bar of Chrome, please digit `http:\\192.168.10.1` to enter the management page of the module.

However with **smartphone app** (see page 8).


italtecnica
Inverter Data Flow
Fw.V. 0.34.000

Stato rete Wi-Fi

SSID:
Stato:
Segnale:
Ultima causa di disconnessione:

Ip ottenuto [Connesso]



Nessuno

Cambia rete Wi-Fi

Stato connessione al cloud

Stato:

Connesso

Info di sistema

Versione Firmware:
Partizione attiva:

0.34.000
1

Aggiorna firmware

Indirizzi di rete

Assegnato dal DHCP:
IP:
Mask:
Gateway:

Si
192.1.1.43
255.255.255.0
192.1.1.1

Impostazioni DHCP

Pagina precedente



Scansione reti wi-fi



Ital_Guest
OPEN



Ital_Uffici
WPA2_PSK

Password:

[Connect]

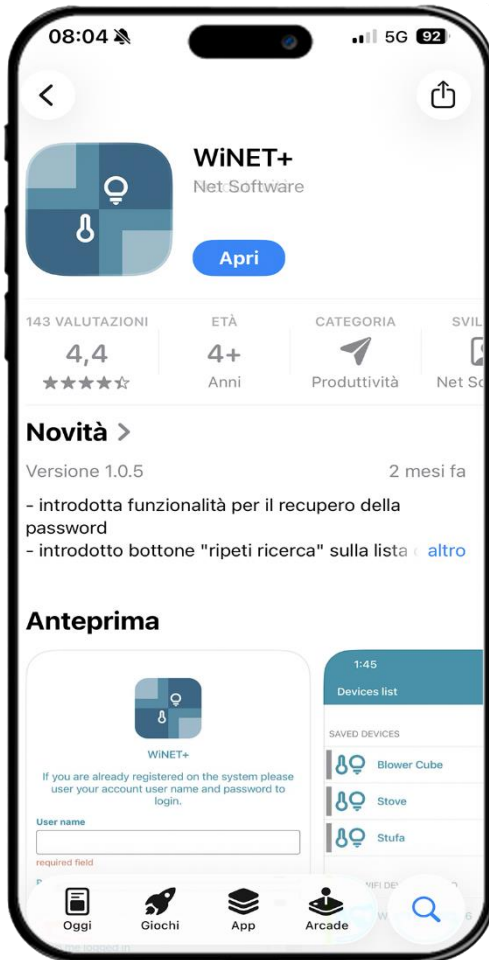


NETGEAR26
WPA2_PSK

Using the "Change Wi-Fi network" button, you can view a list of all nearby Wi-Fi networks. Select the network the module will use for the internet connection and enter the WPA key of your network.

The module will connect to your WiFi network to access to the Internet (the green LED will turn off)

To remotely control your pump over the internet, cloud service registration is required as shown below.



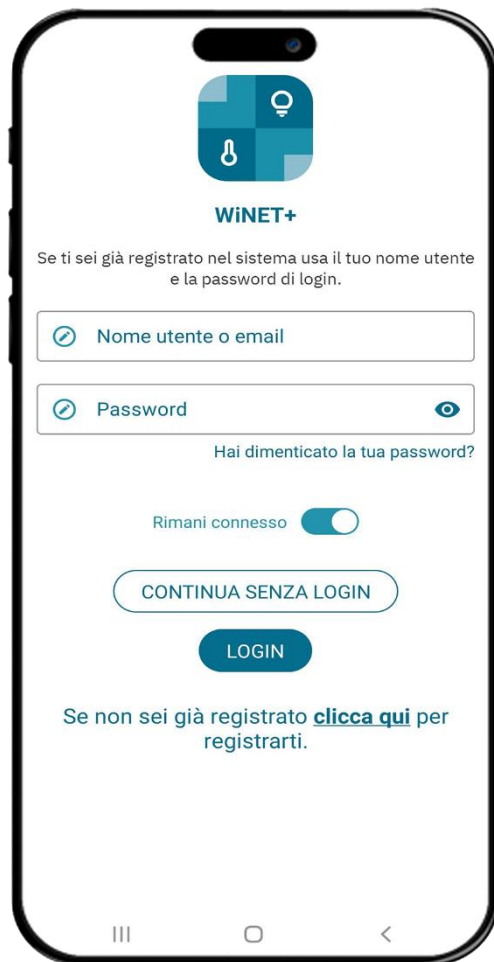
App installation:

Access your smartphone's app store. Search for the **WiNET+** application (Net Software), install the application, and open it once the installation is complete.

Preparation for device configuration:

Disable the mobile data connection on the smartphone, enable the smartphone Wi-Fi connection, and make sure that the Sirio device is powered on and ready for configuration.

⚠ This step is essential to allow direct communication with the device.



Login access (recommended):

This mode allows you to associate the device with a cloud account, monitor the device remotely, keep devices saved within the account, and use cloud services (e.g. e-mail notifications and access from multiple devices).

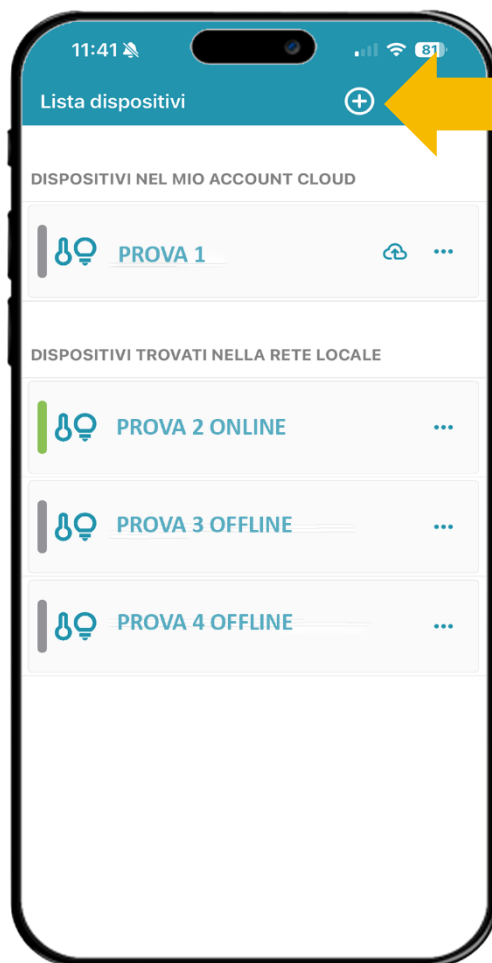
Procedure:

Enter the username or e-mail address, enter the password, and press **LOGIN**.

Note: if this is the first access, registration is required.

Continue without login:

This mode allows you to configure and use the device only on the local network and access basic functions when the smartphone is connected to the same network as the device.



Adding a new device:

In the WiNET+ app, access the device list and select the option **Add new device**.

Follow all the instructions provided, scroll down and press the **Continue** button to start the configuration procedure via QR code.





Using the camera, scan the QR code to connect directly to the Wi-Fi network generated by the module.



Section 2



Cloud service for remote control

In the browser web open l'URL **www.cloudwinet.it**

Sign In

Once registered, log in using your username and password.

Username

Username

Password

Password

☒ Remember me

[Recovery Password](#)

Login

Not registered yet? [Register now your account](#)

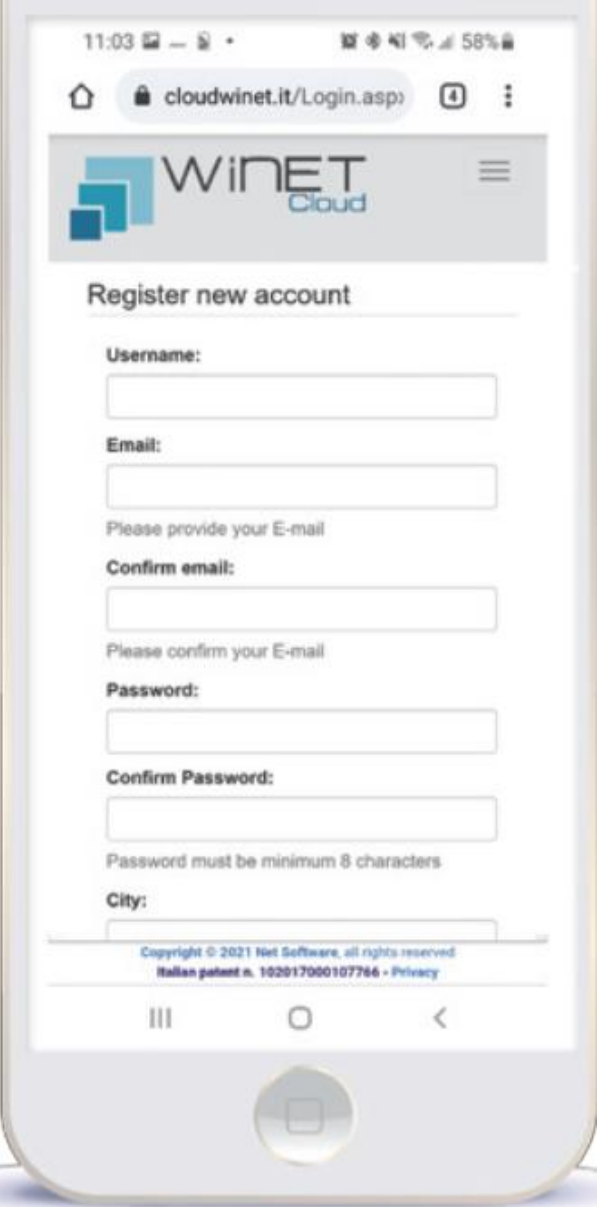
If you don't have an account, click on "Register" and follow the registration procedure. You will received an E-mail to activate your new account.

Enter all the data in the spaces on the new account registration page and flag the box to consent the processing of personal data. Then click on “Register”.

If there are no errors in the entered data, the cloud system will send an email containing a link to activate the created account.

Open that e-mail and click on “Activate”.

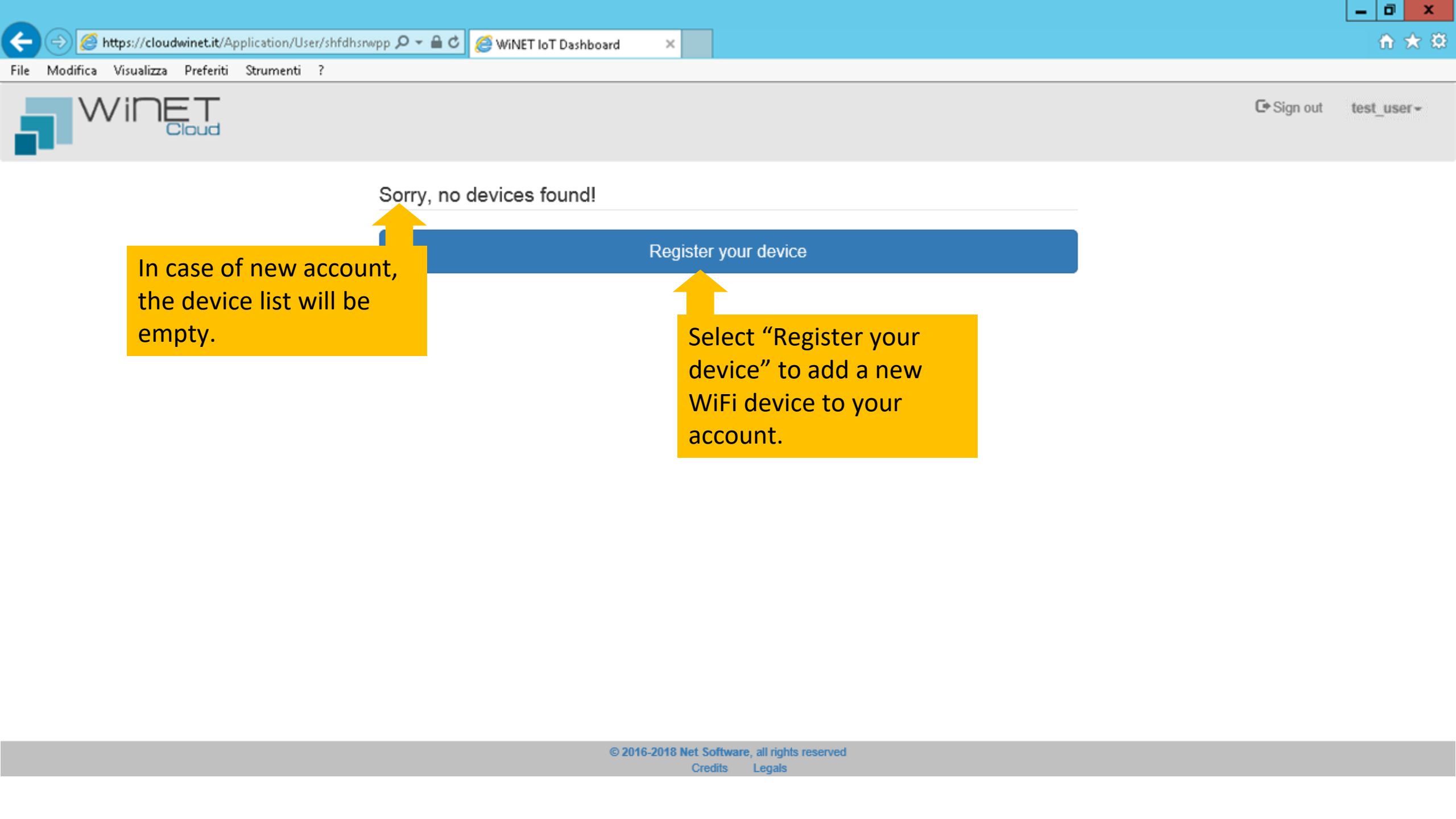
Upon activating the account through the link in the email, you will be able to log into the reserved area of the account.



The image shows a smartphone screen displaying the 'Winet Cloud' registration page. The page is titled 'Register new account' and contains several input fields for user information. The status bar at the top shows the time as 11:03 and battery level at 58%. The browser address bar shows 'cloudwinet.it/Login.asp'. The page includes a logo for 'Winet Cloud' and a menu icon. The registration form fields are as follows:

- Username:** [Input field]
- Email:** [Input field]
- Please provide your E-mail
- Confirm email:** [Input field]
- Please confirm your E-mail
- Password:** [Input field]
- Confirm Password:** [Input field]
- Password must be minimum 8 characters
- City:** [Input field]

At the bottom of the page, there is a copyright notice: 'Copyright © 2021 Net Software, all rights reserved. Italian patent n. 102017000107766 - Privacy'.

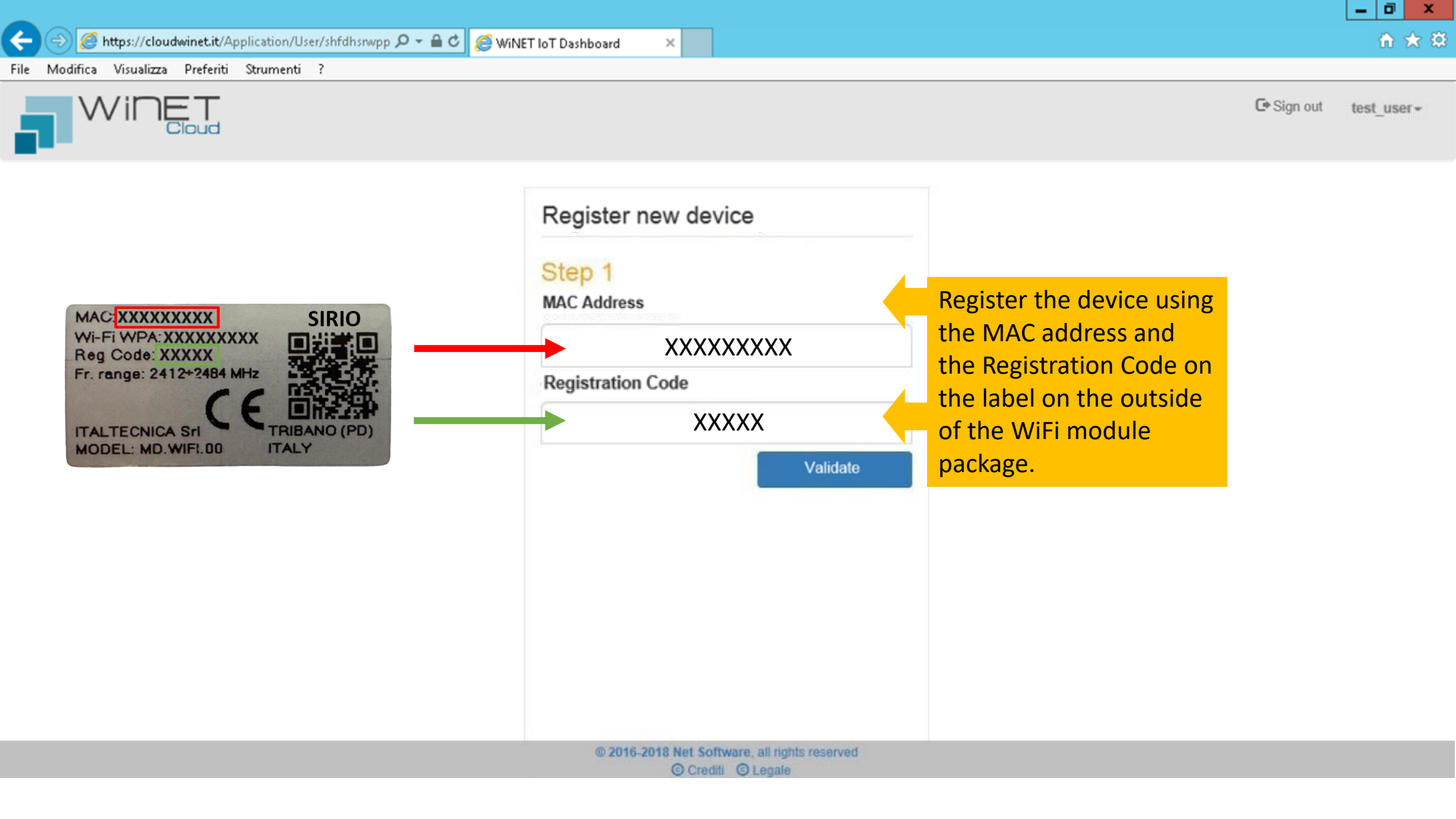


Sorry, no devices found!

Register your device

In case of new account, the device list will be empty.

Select "Register your device" to add a new WiFi device to your account.



Register new device

Step 1

MAC Address

XXXXXXXXXX

Registration Code

XXXXX

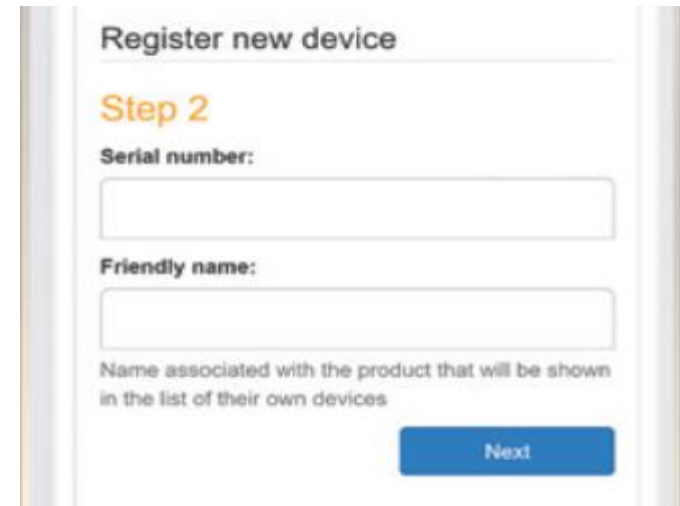
Validate

Register the device using the MAC address and the Registration Code on the label on the outside of the WiFi module package.

Enter the serial number of the device to which the Wi-Fi module is connected.

The serial number will not be checked but it could be useful in case remote assistance is necessary.

In the name field enter a name of your choice for the product connected online.



The screenshot shows a web interface for registering a new device. At the top, the title 'Register new device' is displayed. Below it, 'Step 2' is highlighted in orange. The form contains two input fields: 'Serial number:' and 'Friendly name:'. Below the 'Friendly name' field, there is a small text note: 'Name associated with the product that will be shown in the list of their own devices'. A blue 'Next' button is located at the bottom right of the form.

Register new device

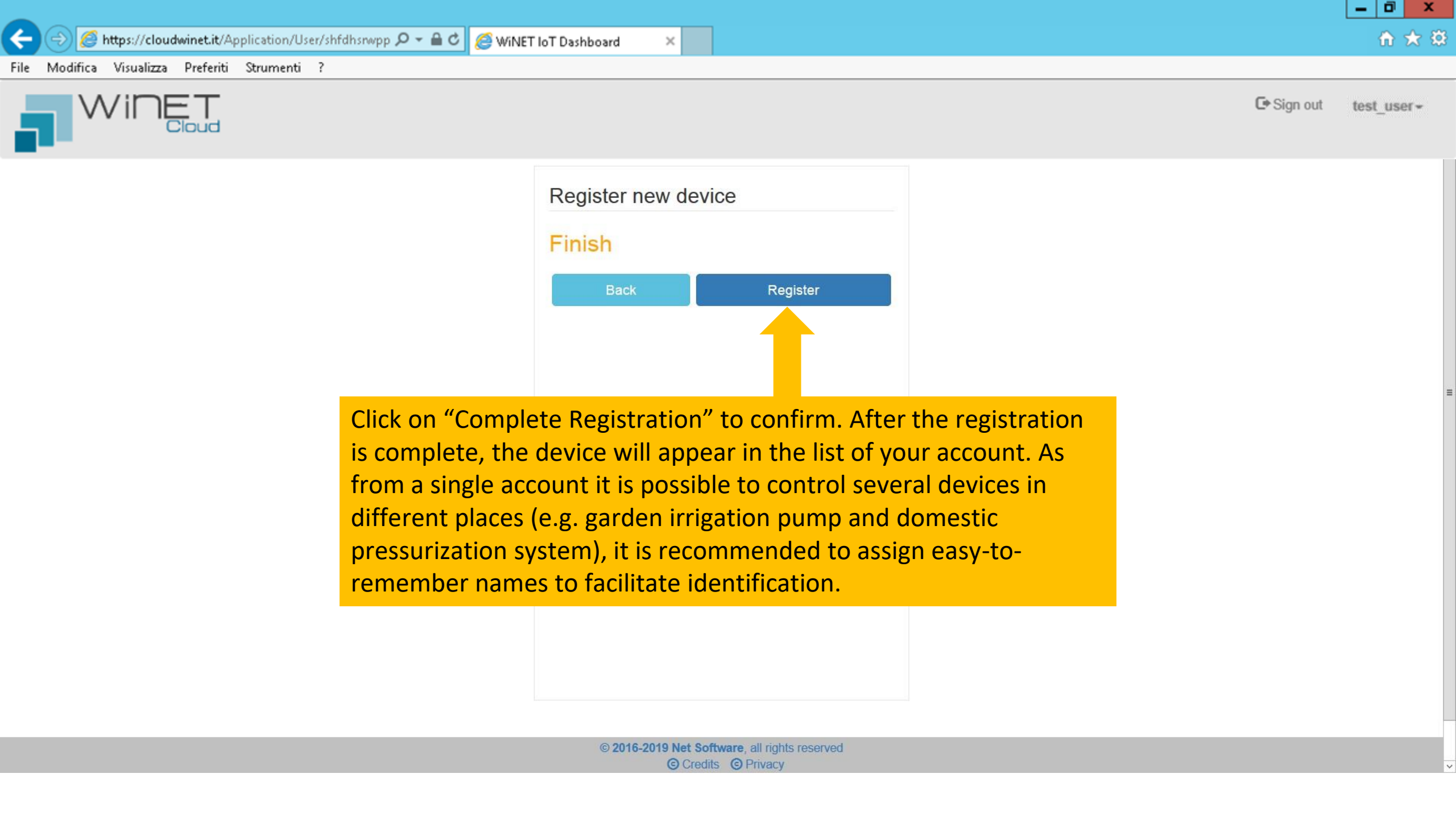
Step 2

Serial number:

Friendly name:

Name associated with the product that will be shown in the list of their own devices

Next



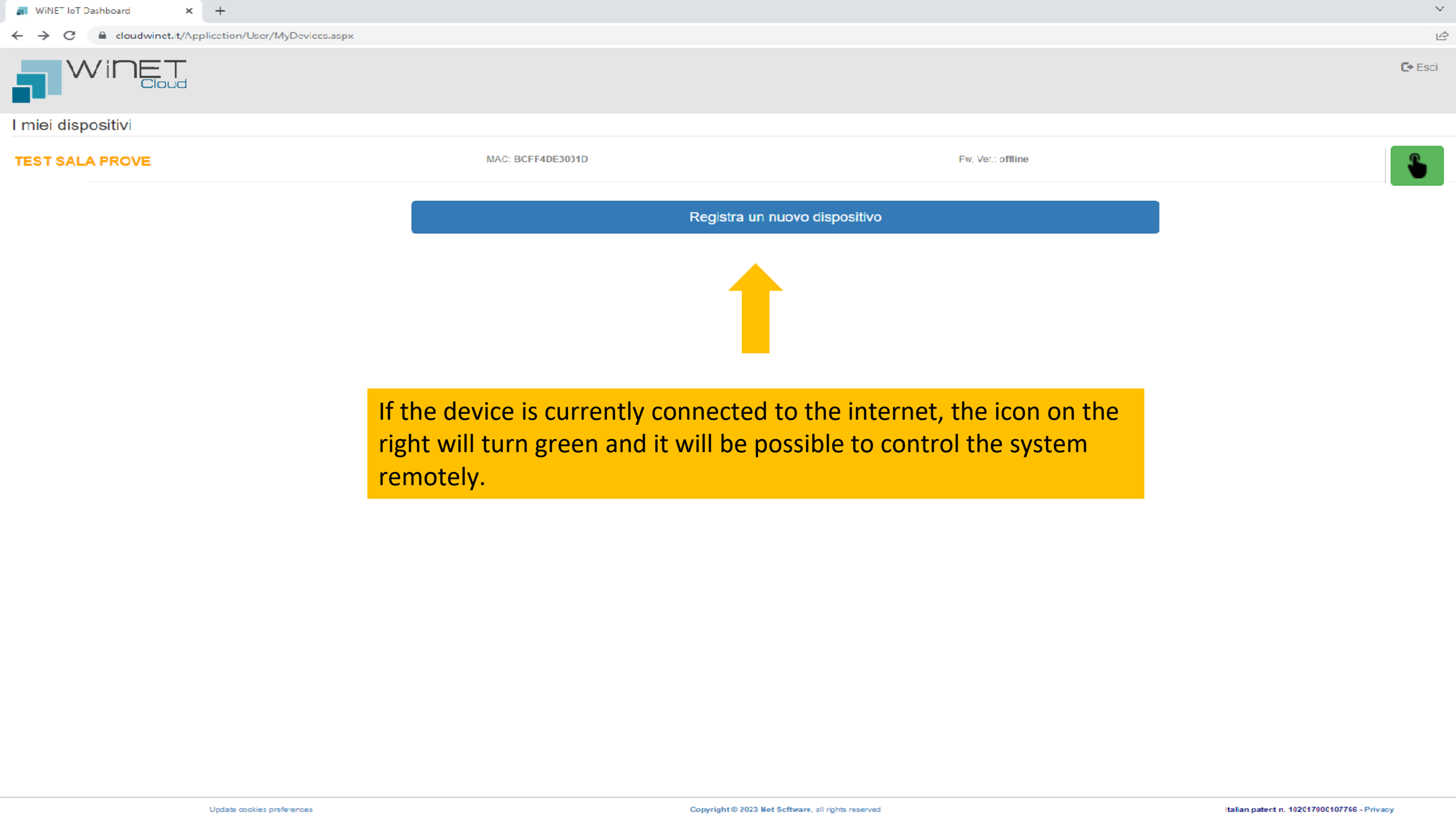
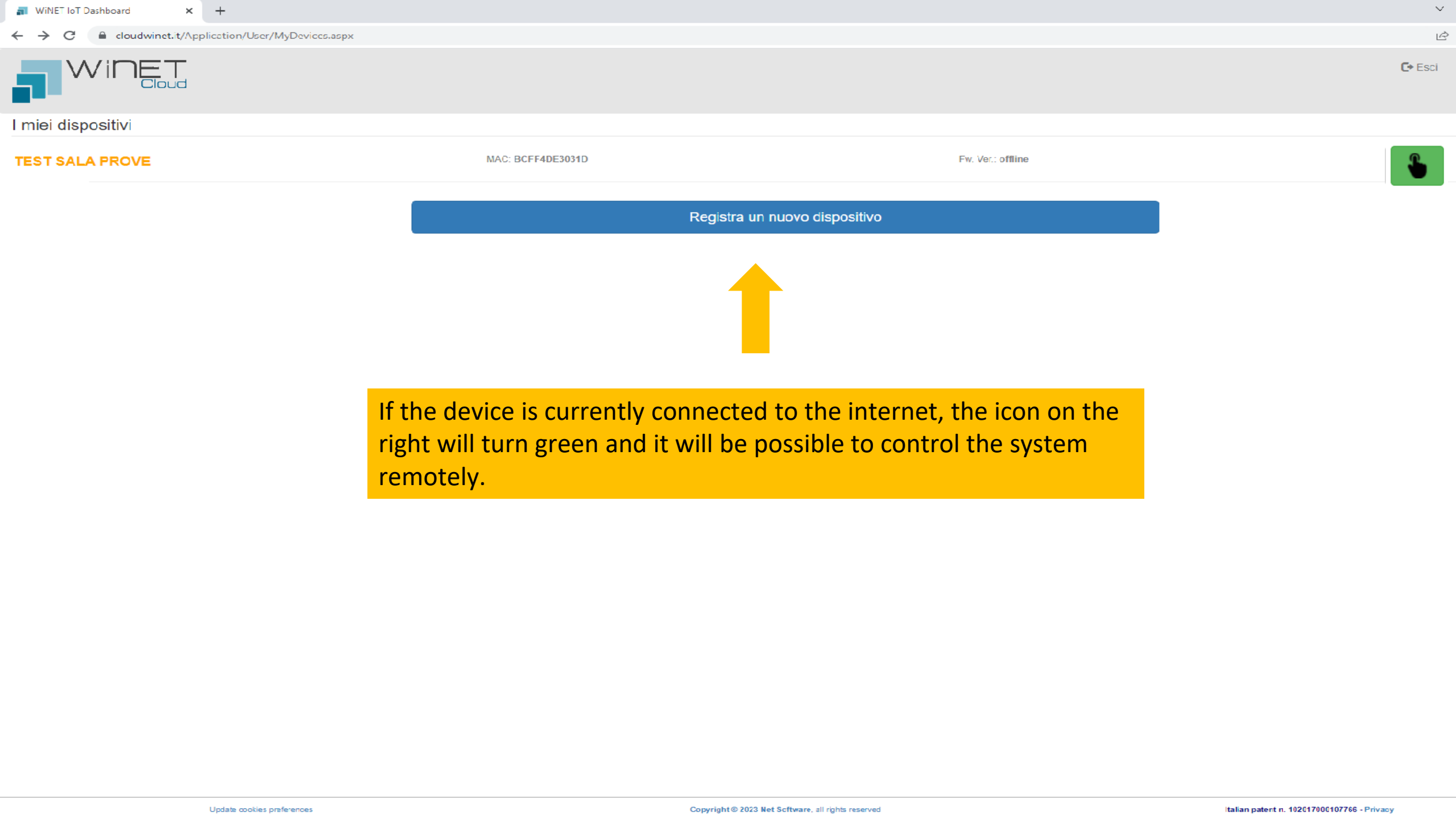
Register new device

Finish

Back

Register

Click on “Complete Registration” to confirm. After the registration is complete, the device will appear in the list of your account. As from a single account it is possible to control several devices in different places (e.g. garden irrigation pump and domestic pressurization system), it is recommended to assign easy-to-remember names to facilitate identification.





Inverter status



STAND-BY



Master



Motor On

Pressure



Pressure:

0.0 bar



Set point:

5.5 bar

Frequency



Frequency:

0 Hz



Frequency Max:

100 Hz

Once you enter your device's management page, you can view more information by clicking on the device name at the top of the page.

A pop-up window will show the WPA KEY of the local network of the device and the REGISTRATION CODE of the WiFi module.



TEST SALA PROVE

Wifi WPA Key: XXXXXXXXX

Registration Code: XXXXX

Device API Key
////////////////

Reset device

Remove device from my account

Close

Inverter Data Flow
Fw.V. 0.45.000

[0 - Parametri Pressioni]

[2 - Parametri Multiplo]

[3 - Parametri I/O]

[Stato delle pompe]

[Gestione dispositivo]

Stato Modifica Parametri Manuale

MAC: BCFF4DE3031D

Assistance Code: 000000 Change

The default assistance code is 000000, therefore the remote assistance service through the technical assistance center is disabled.



Section 3



service center supervision

Aux

-  Double Set-point
-  External enable
-  External error
-  Pump pilota active
-  Manual adjustment

Counters

 Power ON:	3 h
 Running:	0 h
 Pump starts:	10

Codice di assistenza: 000000

[Cambia](#)

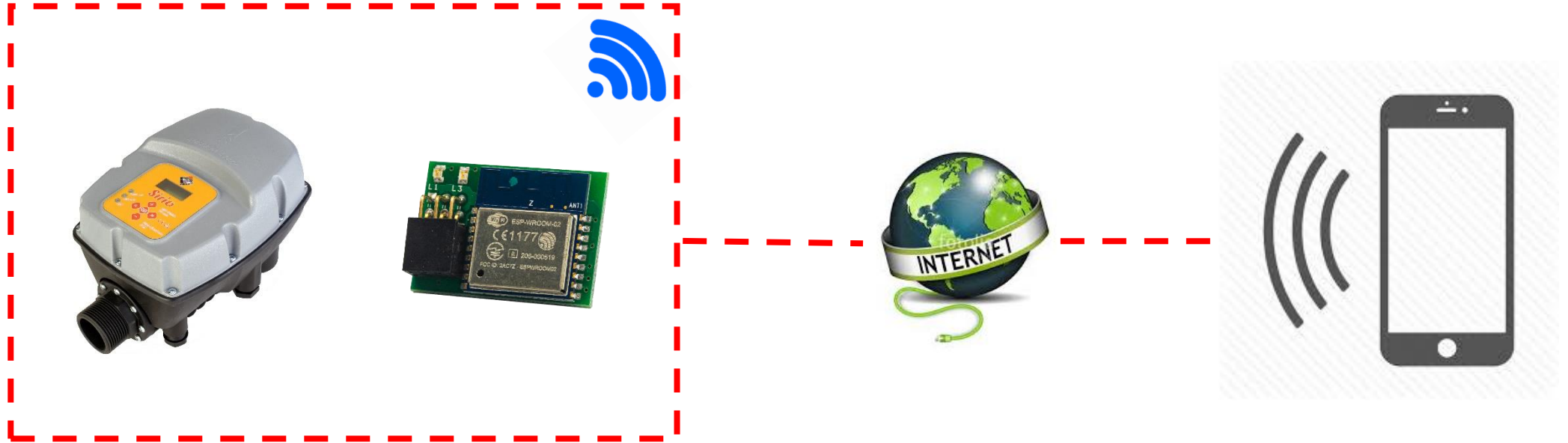
The service code can be shared with an AUTHORIZED SERVICE CENTER for remote control and assistance.

The default assistance code is 000000 and the remote assistance service through the technical assistance center is disabled.

If you decide to authorize the check by an ASSISTANCE CENTER, click on "Change" and the system will provide a new code which must be communicated to the desired ASSISTANCE CENTER.

If the service code is changed again, the previous authorizations will be canceled and the new code can be used to authorize remote control by another SERVICE CENTER.

Section 4



Inverter remote management



Base Parameters

Parameter Selection

0.0 Pmax (set-point) ▼

Parameter value

- 5.5 BAR +

Refresh

Parameter description

Pressure set-point



Inverter status



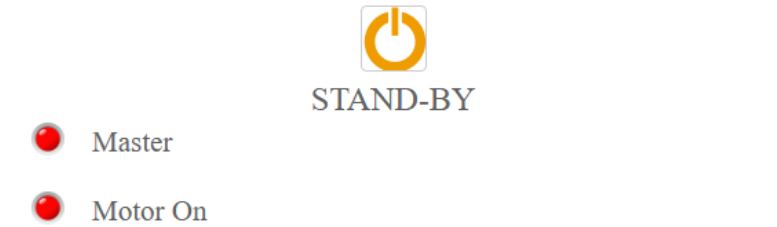
STAND-BY

● Master

● Motor On

The management page of the Wi-Fi module is managed on a page where you can view and modify and set the inverter according to your needs.

Inverter status



Pressure



Frequency



Motor current consumption



System status, indicates the performance of the inverter (MASTER) at that precise moment. That is, the conditions can be:

- STAND BY : when the system is stopped
- RUNNING : when the system is running
- SYSTEM OFF LINE : when the module is connected but the system is not powered
- SYSTEM ALARM : when one device are in alarm.

We can read the live values during operation:

- Current pressure
- Pressure Set Point set
- Frequency
- Voltage
- Current
- Temperature

Sirio's voltage and current

Temperatures

	Motherboard:	31 °C
	IGBT:	25 °C

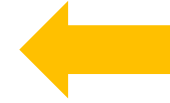
Aux

-  Double Set-point
-  External enable
-  External error
-  Pump pilota active
-  Manual adjustment

Counters

	Power ON:	3 h
	Running:	0 h
	Pump starts:	10

On the main page where it is possible to read the parameters.



Error Logs

E3 - Dry running

1

Stopped following a pump intake water shortage



On the third page where it is possible to read the error logs of the inverter.



Inverter status



STAND-BY

 Master

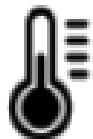
 Motor On



Symbol indicating which device the pressure transducer is connected to



Frequency parameters of the pump.



Temperature

Status of the pumps, we can see which device is indicated as MASTER (device that controls the pump).

In correspondence with the Power we can see the On/Off of the live pump during operation.

Section 5



E-mail message attivation

Il mio account

Nome utente:

Nome:

Cognome:

Indirizzo:

CAP:

Città:

Provincia:

Paese:

Numero di telefono

Salva

Cambio password

Password:

Conferma password:

Salva

To enable the service tick
ENABLED

Complete the activation by
entering your e-mail address
and click Add

Notifiche email

☒ Abilitate

Salva

Email aggiuntive:

Aggiungi indirizzo di posta elettronica

Aggiungi

Eliminazione account

Elimina

Once registered in the cloud.

There is the possibility to activate the mail service:

A warning of the operating status of the inverter.

Any causes the device and the hydraulic system is not in operation. The module generates a device status email message.
(see example)

Da: noreply@cloudwinet.it <noreply@cloudwinet.it>

Inviato: lunedì 12 giugno 2023 14:18

A: xxxxx@italtecnica.com

Cc: xxxxx@italtecnica.com

Oggetto: Test sala prove

Device Id : Test sala prove
Device Mac : BCFF4DE3030C

DEVICE STATUS : STANDBY
Date-Time : UTC-Time: 2023-06-12 12:17
Pump Nr. : busaddr=1
Action : status changed to STANDBY

STATO DISPOSITIVO : STANDBY
Data-Ora : UTC-Time: 2023-06-12 12:17
Pompa Nr. : busaddr=1
Azione : lo stato è diventato STANDBY
