# UC11-N1

## Quick Start Guide

# Welcome

Thank you for choosing Ursalink UC11-N1.

This guide describes how to install the UC11-N1 and how to connect to Ursalink Cloud. Once you complete the installation, refer to the Ursalink UC11-N1 User Manual for instructions on how to perform configurations on the device.

## Related Documents

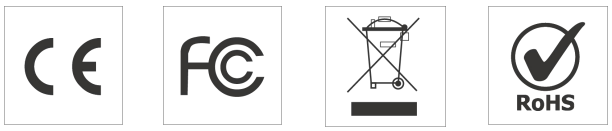
This Start Guide only explains the installation of Ursalink UC11-N1. For more functionality and advanced settings, please refer to the relevant documents as below.

| Document | Description |
|---|---|
| Ursalink UC11-N1 Datasheet | Datasheet for the Ursalink UC11-N1. |
| Ursalink UC11-N1 User Guide | Users could refer to the guide for instruction on how to configure all the settings. |

The related documents are available on Ursalink website: http://www.ursalink.com.

## Declaration of Conformity

Ursalink UC11-N1 is in conformity with the essential requirements and other relevant provisions of the CE, FCC, and RoHS.



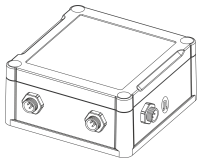


For assistance, please contact
Ursalink technical support:
Email: support@ursalink.com
Tel: 86-592-5023060
Fax: 86-592-5023065

# 1. Packing List

Before you begin to install the UC11-N1, please check the package contents to verify that you have received the items below.

## 1.1 Package Contents

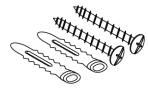


1 × UC11-N1 Device

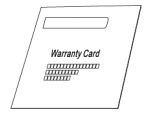
2 × Data Cable

1 × USB Cable

1 × Magnet



Setscrews




1 × Warranty Card

**Optional Accessories**

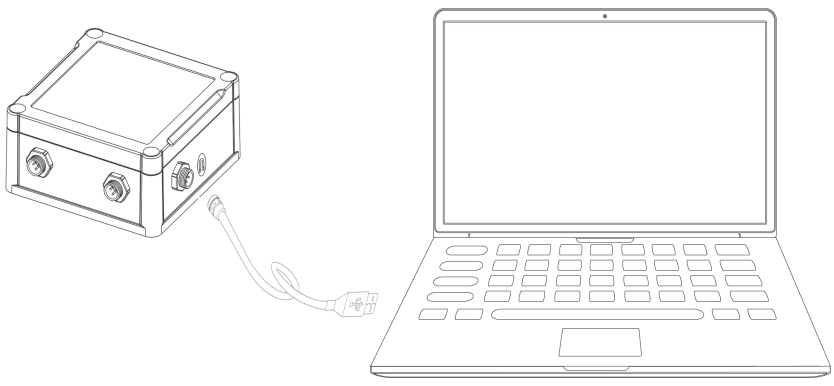
2 × Pole Mounting Kit

**If any of the above items is missing or damaged, please contact your Ursalink sales Representative.**

# 2. Hardware Installation

## 2.1 USB Configuration

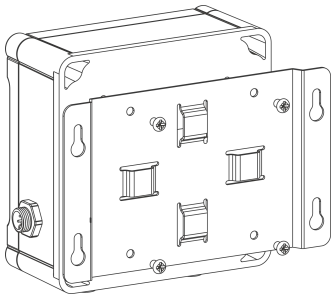
Connect UC11-N1 with laptop via USB cable.



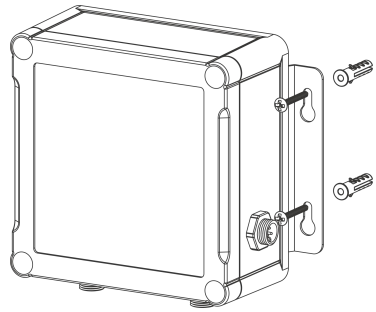
## 2.2 Mount the UC11-N1

### Wall Mounting

A. Mount the enclosure to the mounting bracket with the bracket mounting screws.

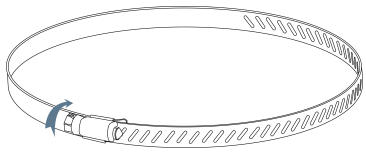


B. Mount the mounting bracket horizontally to the wall by fixing the wall mounting screws into the wall plugs.

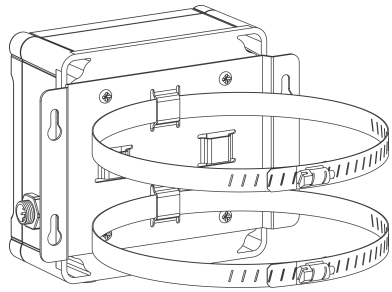


### Pole Mounting

A. Mount the enclosure to the mounting bracket with the bracket mounting screws.

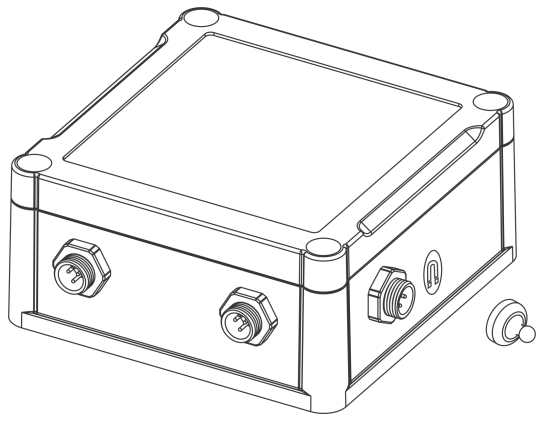


B. Straighten out the hose clamp and slide it through the rectangular holes in the mounting bracket, wrap the hose clamp around the pole.



## 2.3 Turn ON/OFF UC11-N1

Place the magnet on the sign “U” to turn on/off UC11-N1. Beep 2 seconds ON, beep last 6 seconds OFF.



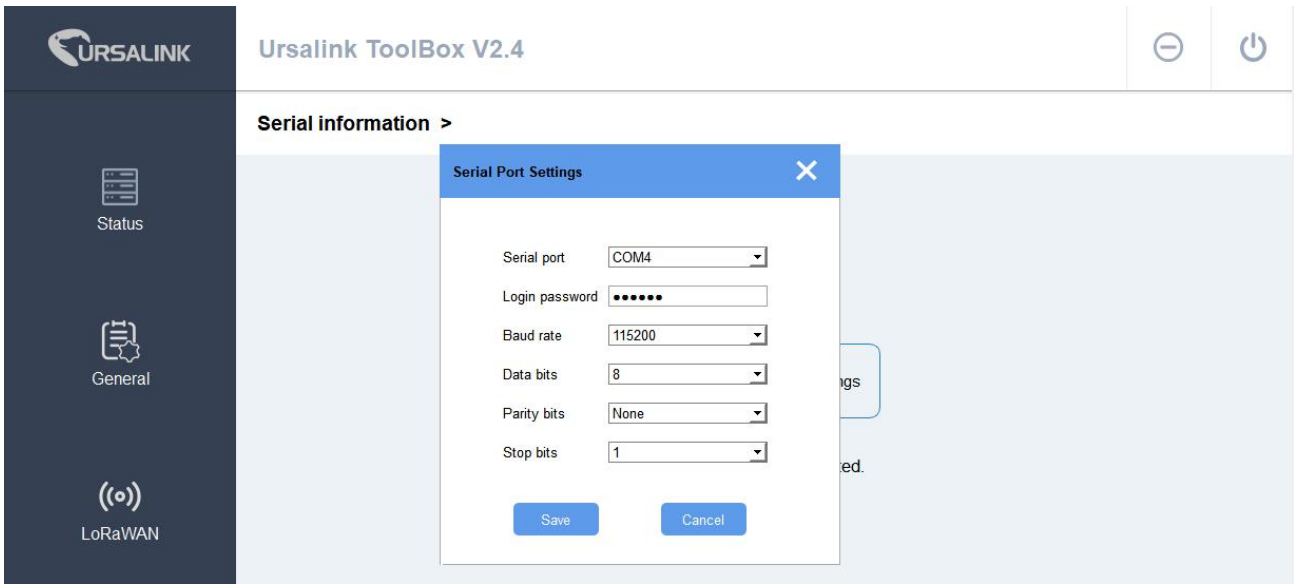
## Getting Started

# 4. Connect to Ursalink Cloud

## 4.1 Configure UC11-T1 via Toolbox

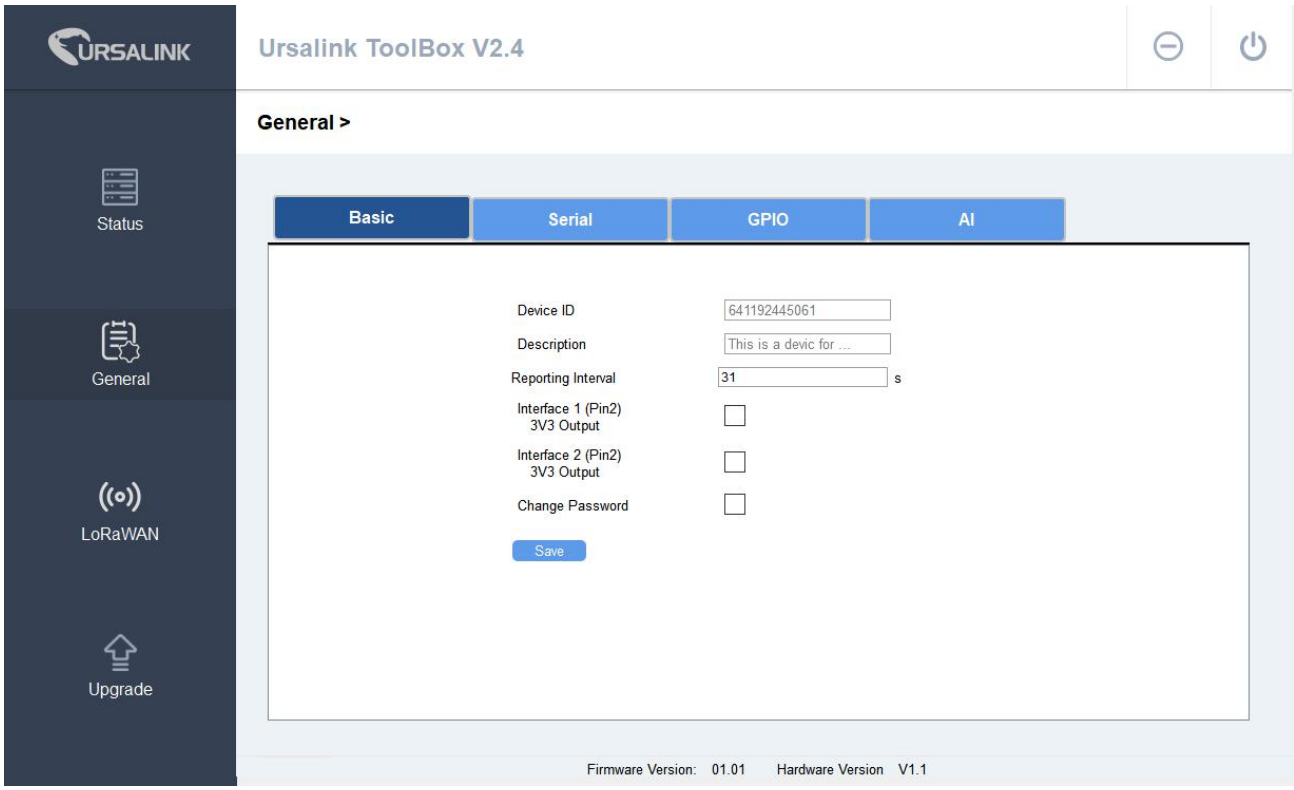
Please connect PC USB port to micro USB port of UC3x series remote cellular I/O directly, PC Setup the Toolbox.

① Select Serial port and fill in the login password, default “123456”, then click “Save”

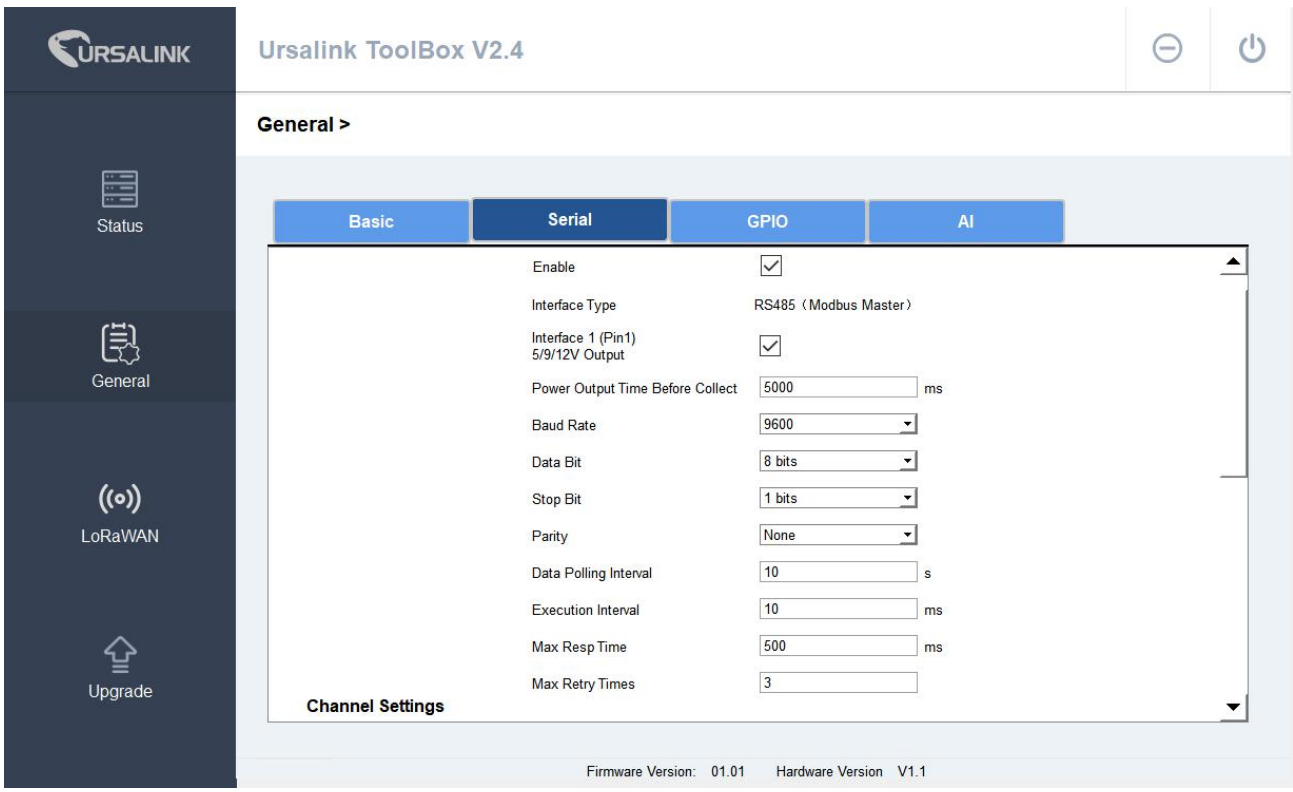


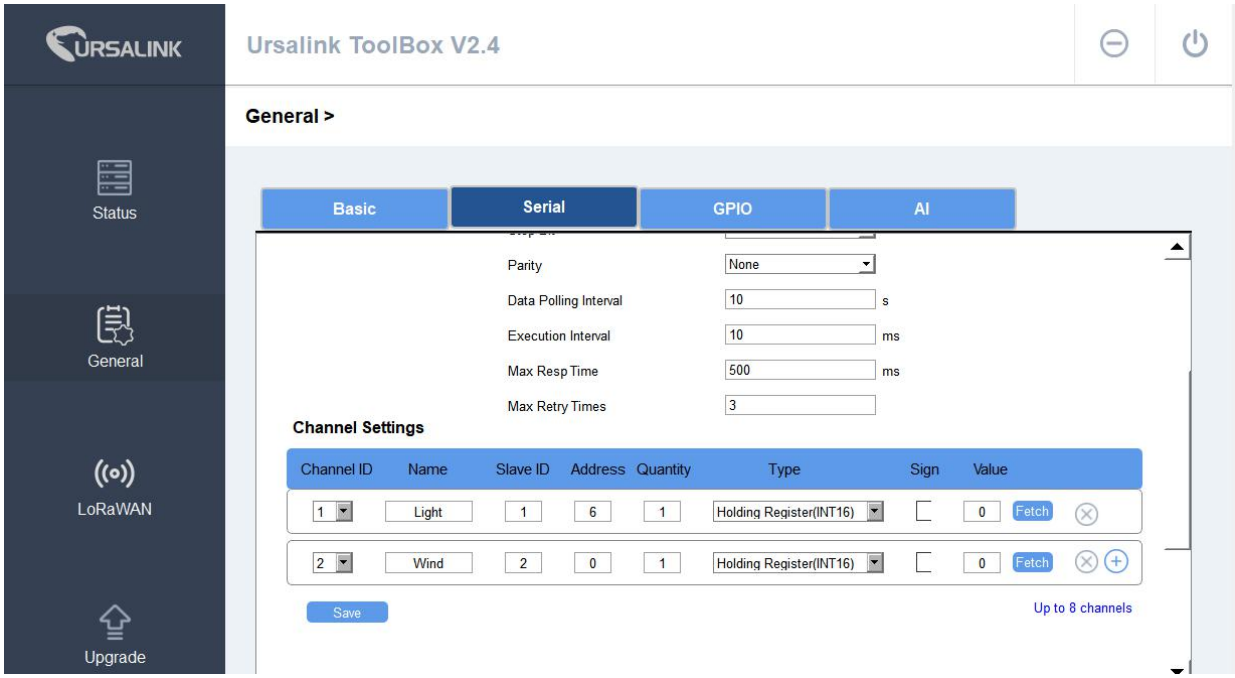

② Click “Status” to check property of UC11-N1


③Click “General/Basic” configure the ”Reporting Interval”




④ Click “General/Serial” to configure RS485 property and channel






In this quick guide, UC11-T1 connect with two equipment (Light sensor and wind speed sensor), both of the two sensors use Modbus RS485.

**Sensor property**

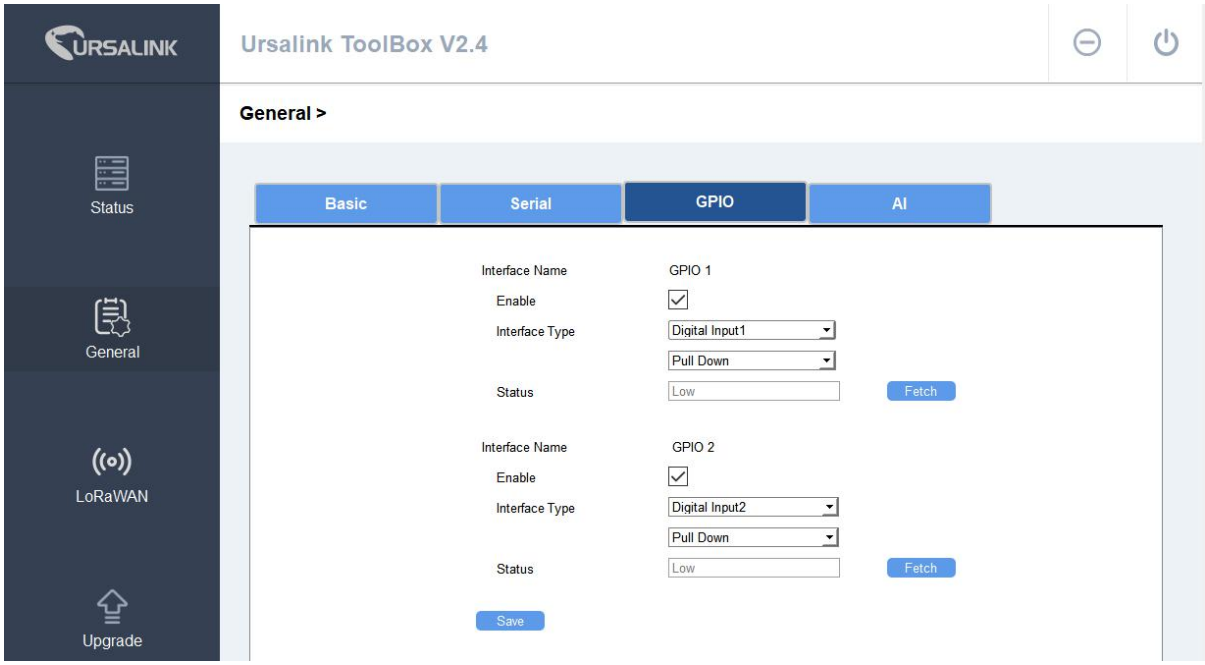
| Sensor | Serial Port | Slave ID | Register | Type |
|---|---|---|---|---|
| Light Sensor | 9600 8N1 | 1 | 6 | Holding Register(INT16) |
| Wind speed sensor | 9600 8N1 | 2 | 0 | Holding Register(INT16) |

**Wiring**

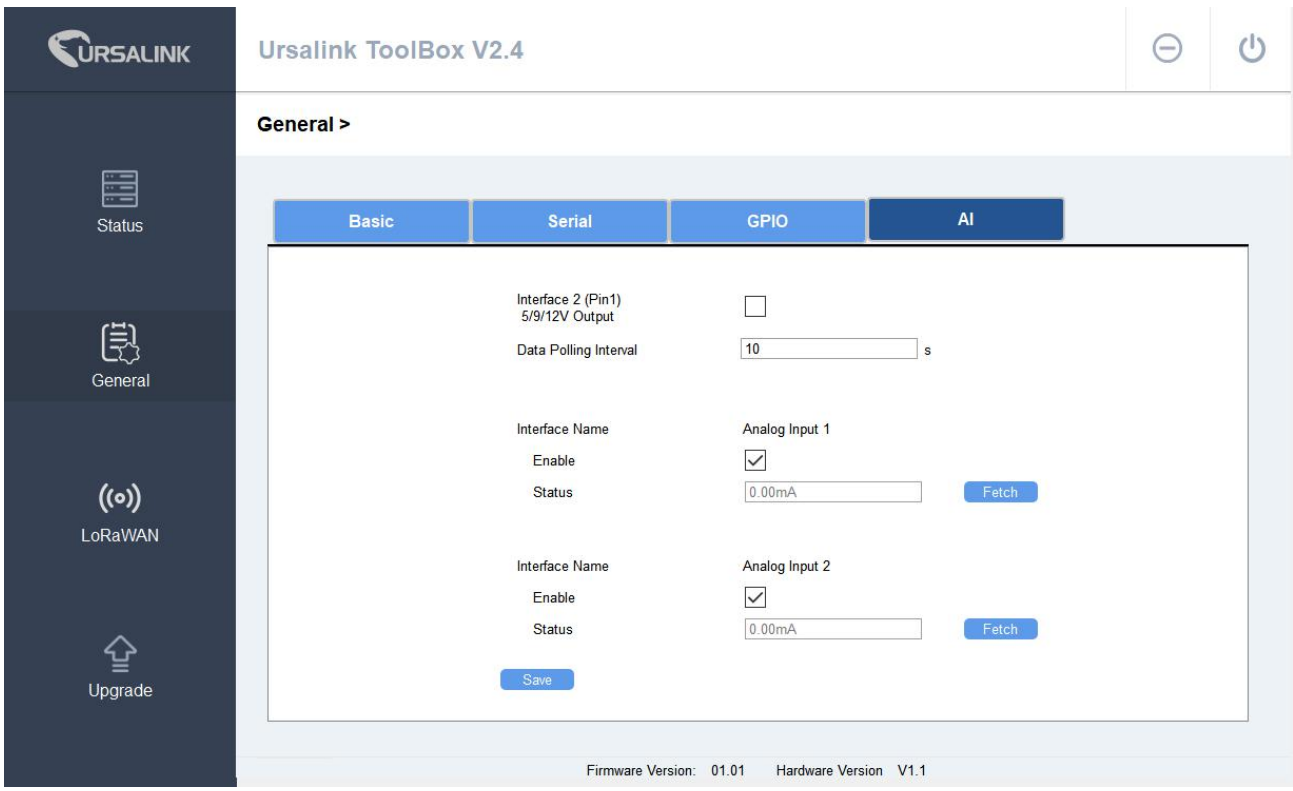
| | | | |
|---|---|---|---|
| **UC11-N1** | Orange(12V/9V/5V | Brown (V+) | **Sensors** |
| | Black (GND) | Brown (V-) | |
| | Green (A) | Green (A) | |
| | Yellow (B) | Blue(B) | |

**Note:** The two sensor is powered up by UC11-N1, need configure “power output before collect”, default 5 seconds.

⑤Click “General/GPIO” to configure digital input and output.

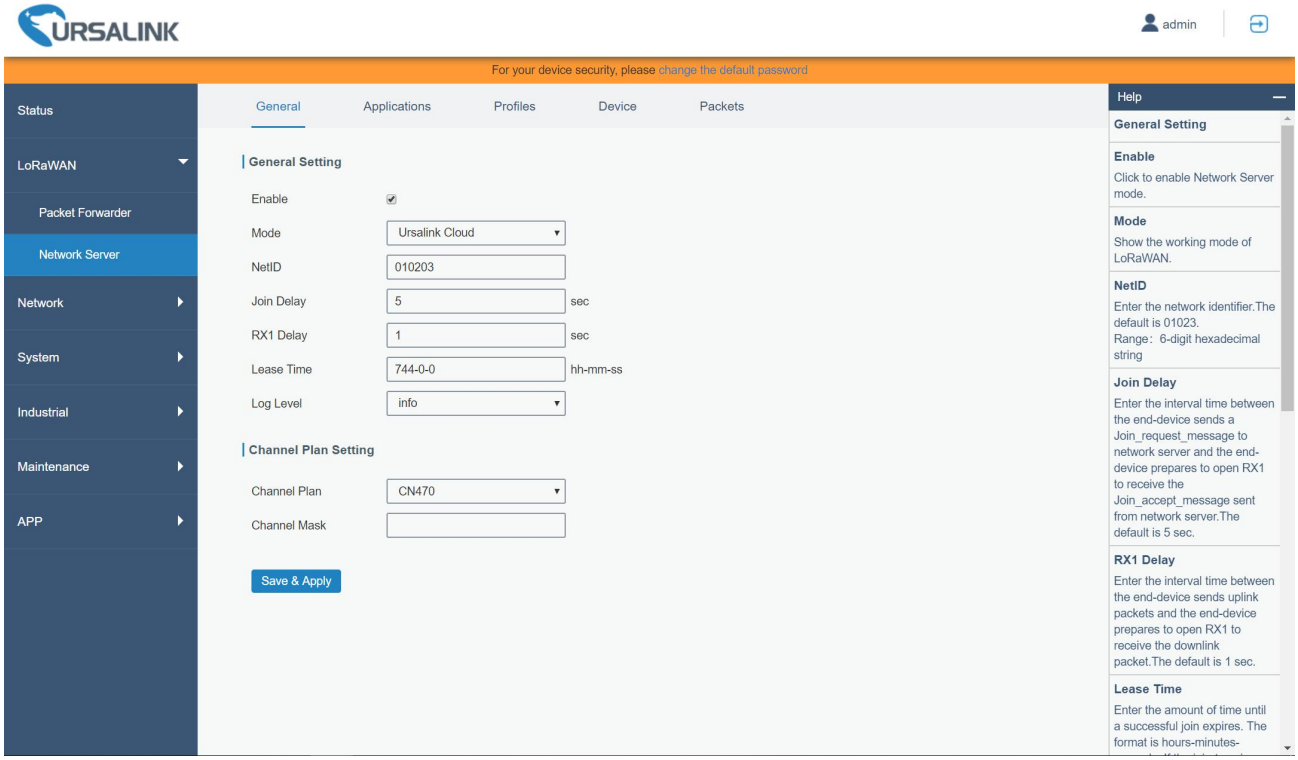



⑥Click “General/AI” to configure analog input.



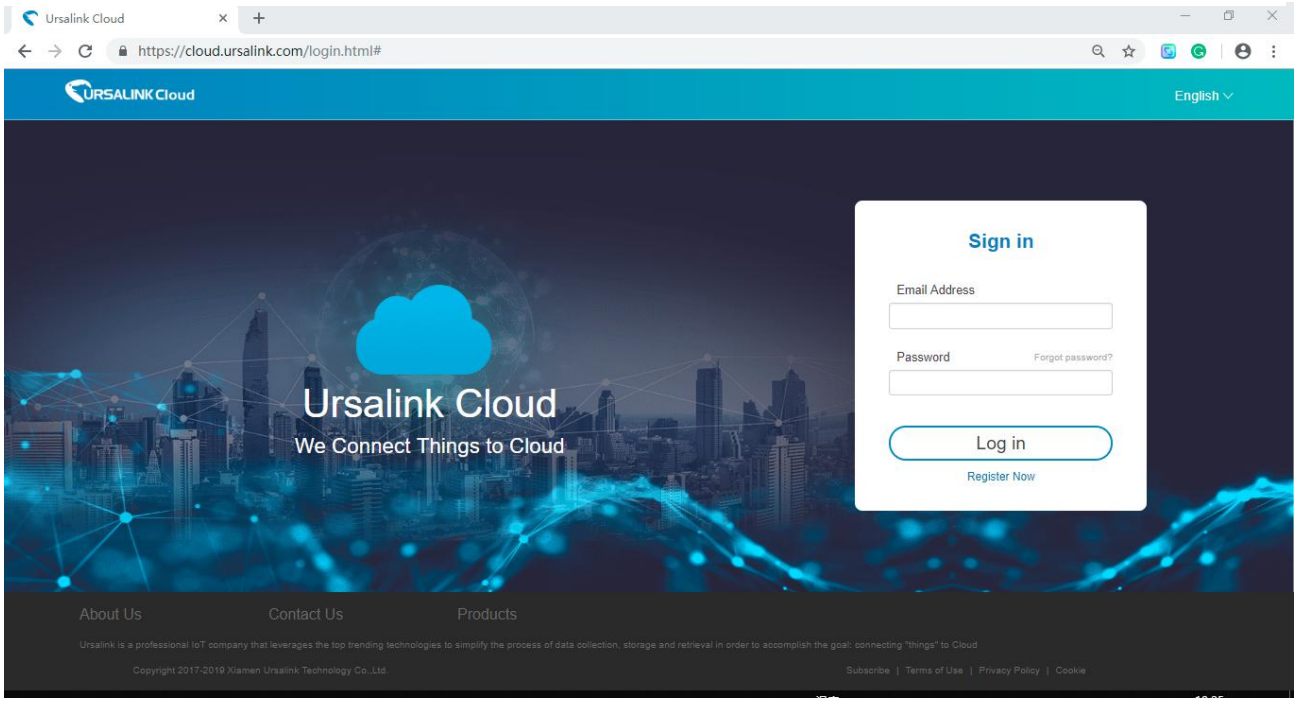
## 4.2 Ursalink Gateway Configuration

Enable network server and mode configure as “Ursalink Cloud”.

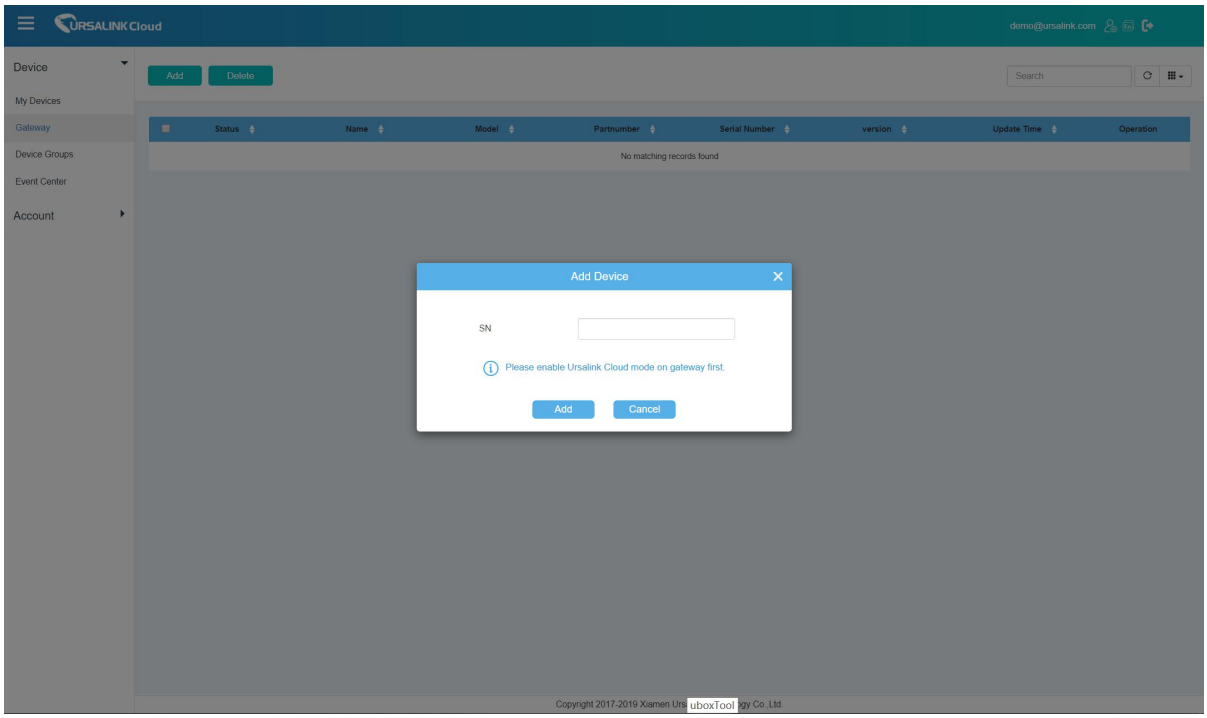


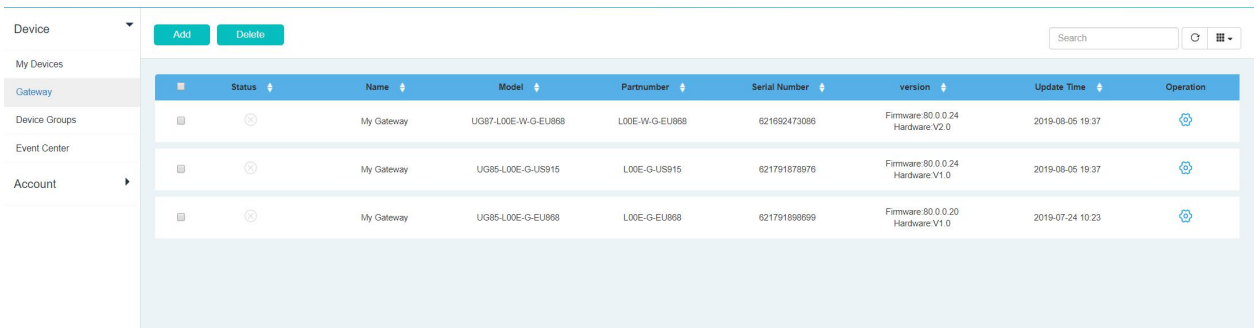

## 4.3 Ursalink Cloud Configuration

① Register an account of the Ursalink cloud

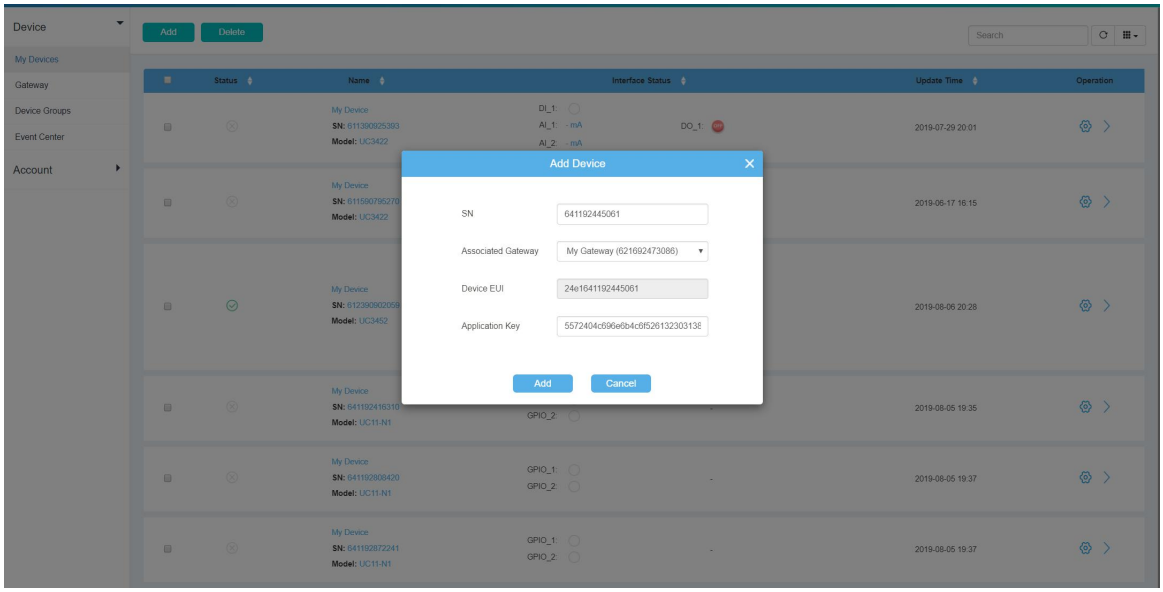


② Login Ursalink Cloud and go to “Gateway/Add” and fill in the gateway SN, click add.



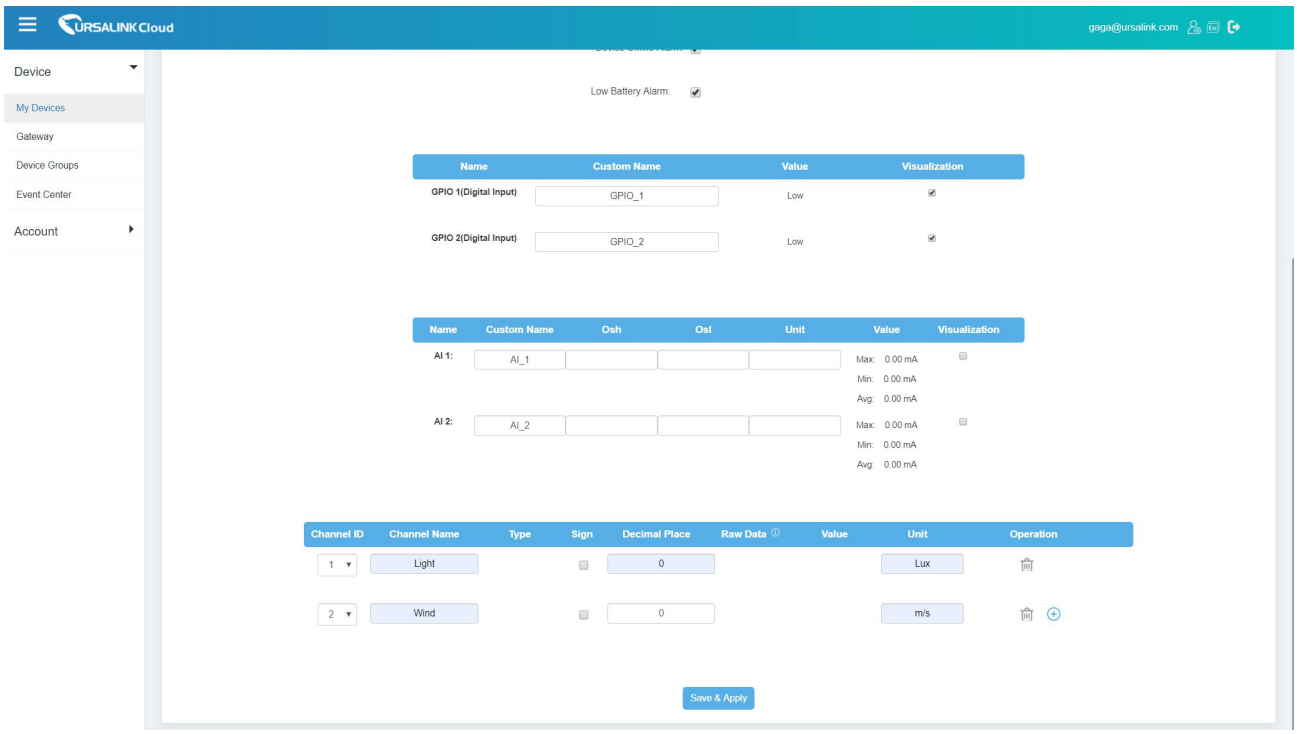




③Go to “My Devices” click add. Fill in the SN of the UC11-N1 and select associated gateway.

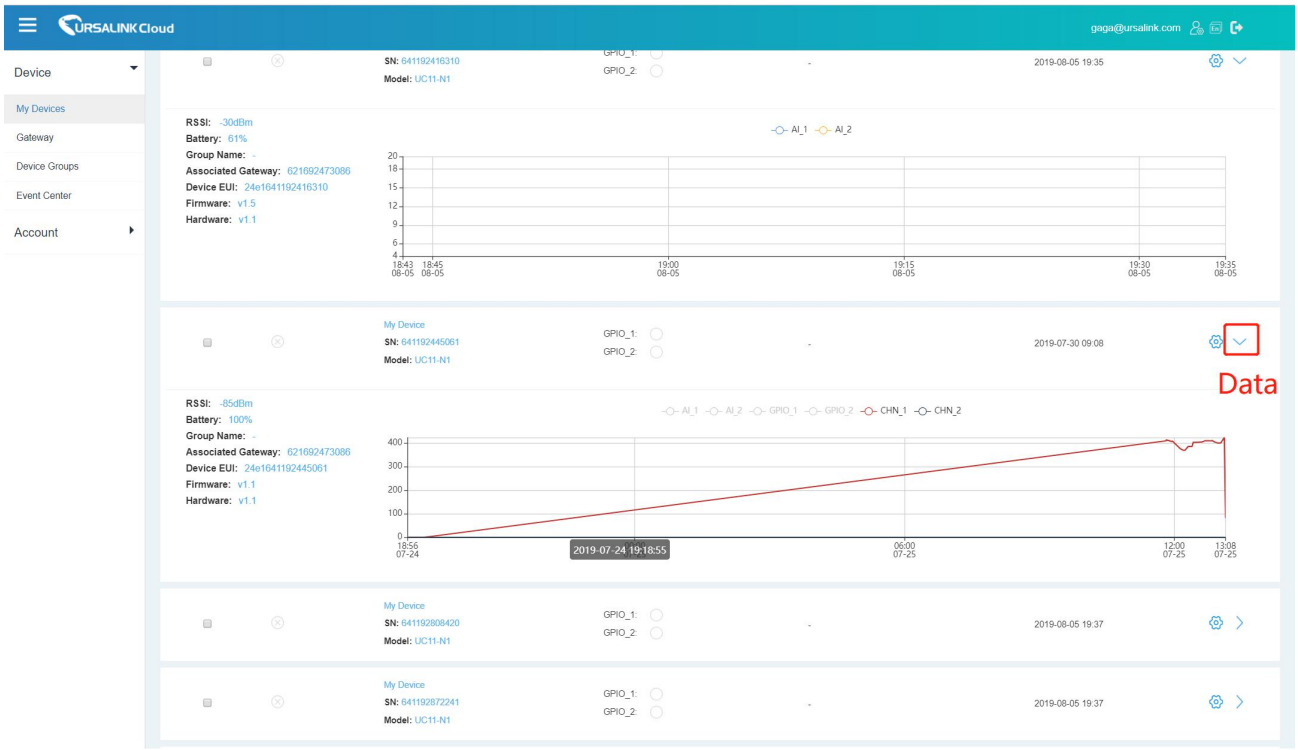



④Click to configure the UC11-N1 from Ursalink cloud, add channel for the Modbus.

**Note:** Channel name should be same as the one configure in UC11-N1




⑤Check the data of the sensors that connect with UC11-N1




**Note:** For More details, please refer to the UC11-N1 user guide.

**[END]**