

# Quick Start Guide

— UC500 Series LoRa Controller



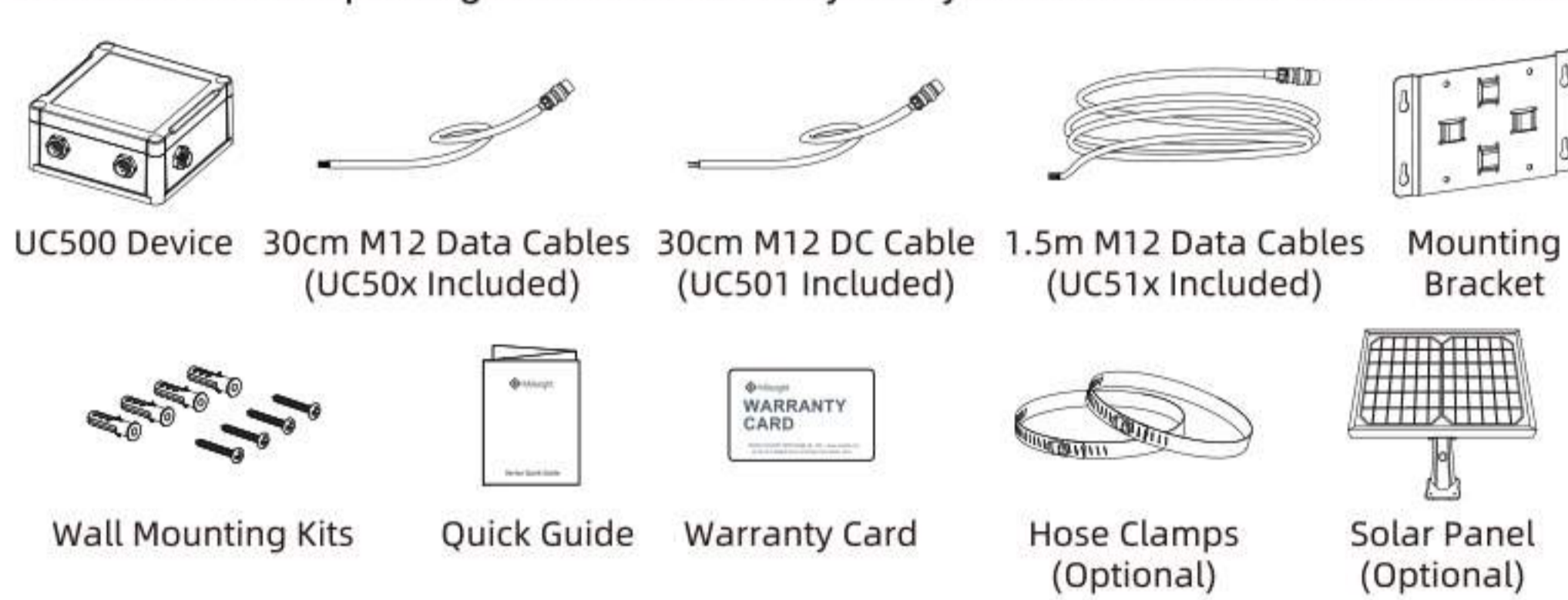
## Quick Start Guide

UC500 Series LoRa Controller

V1.0

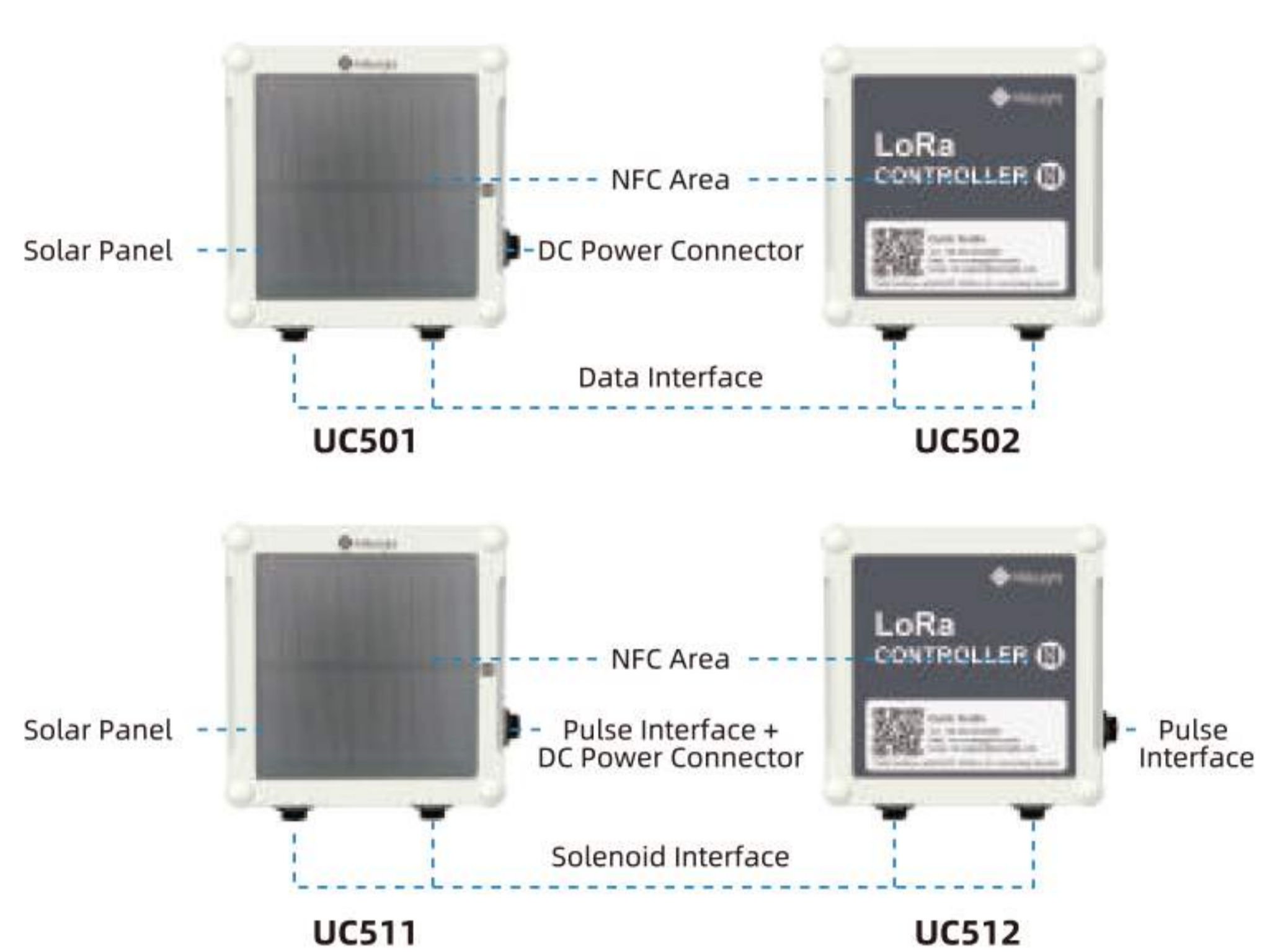
### Packing List

Please check the package contents to verify that you have received the items below.



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

### Hardware Introduction



### Method 1: Configured by NFC

#### Preparation:

- Smartphone (NFC supported)
- Milesight ToolBox App: App can be downloaded on Google Play or Apple Store.

**Steps:** Open "Milesight ToolBox" App and attach the smart phone with NFC area to read/write the device until App shows a successful prompt. If a smart phone is used for configuration for the first time, it's necessary to enter the password. (Default password: 123456)



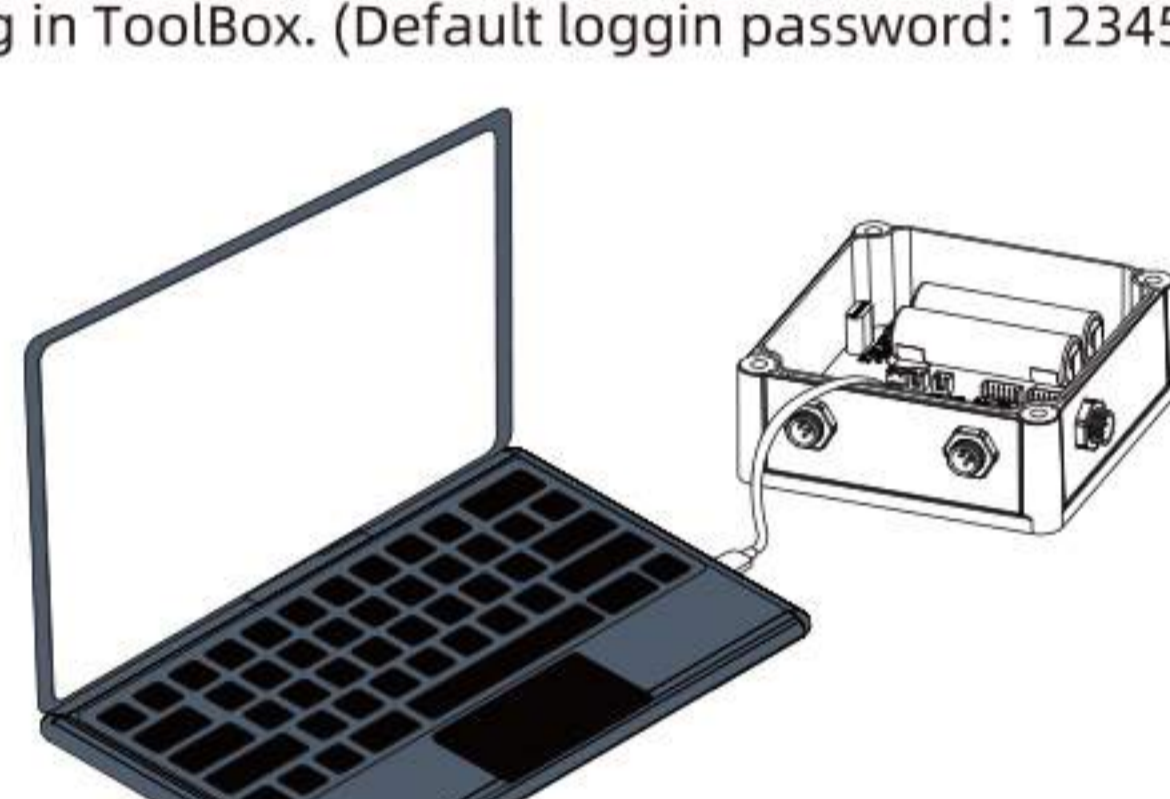
Besides, UC500 can be configured by dedicated NFC reader which can be purchased from Milesight IoT.

### Method 2: Configured by USB

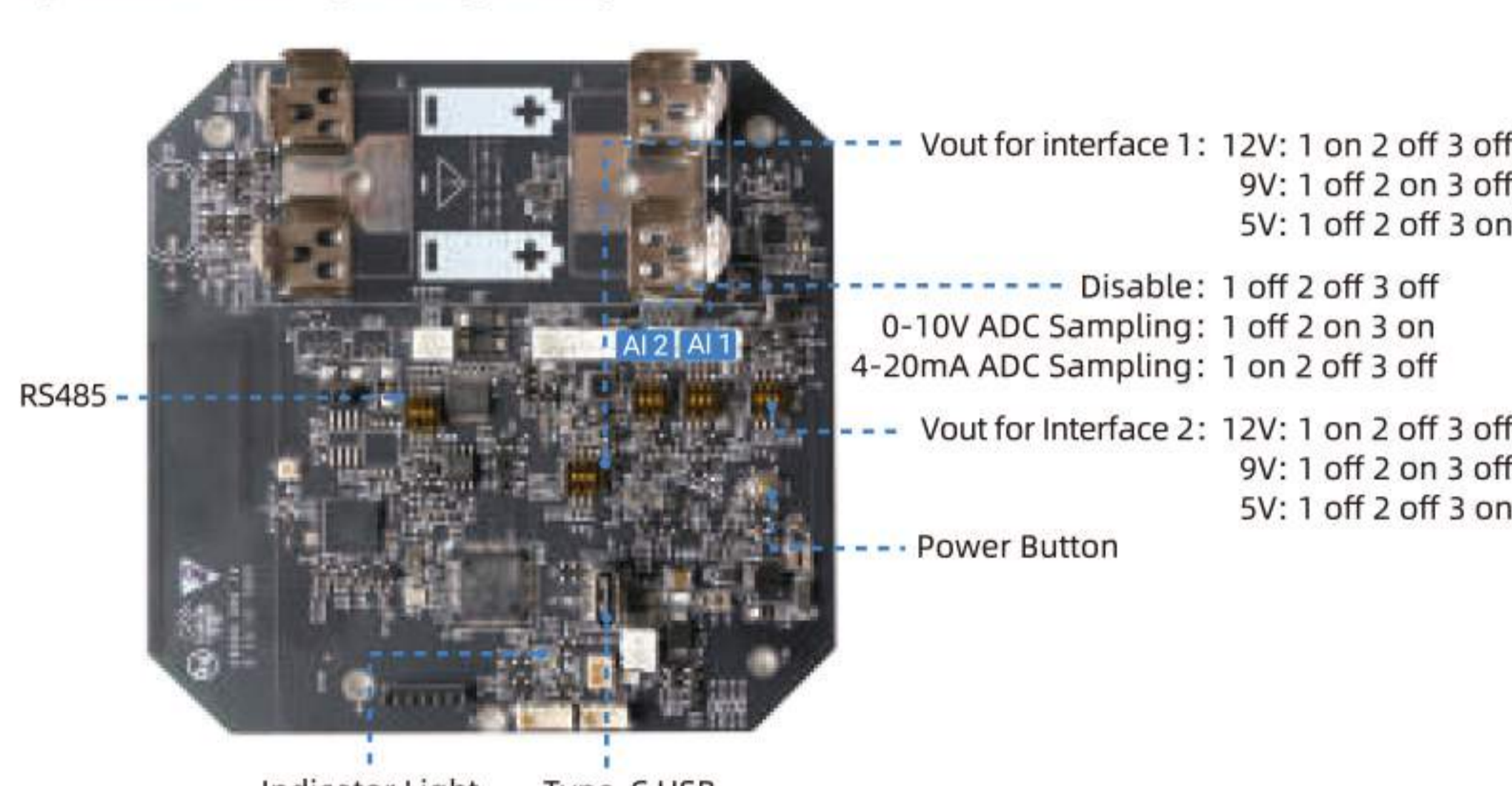
#### Preparation:

- USB Type-C cable
- PC (Windows 10 is recommended)
- ToolBox Software: <https://www.milesight-iot.com/software-download/>

**Steps:** Connect the device to computer via type-C port and open the ToolBox, select serial port as USB port and type as "General", then type the password to log in ToolBox. (Default login password: 123456)



### Dip Switch Descriptions (UC50x)



**Note:** 1) Analog inputs are set to 4-20mA by default, power outputs are set to 12V by default.  
2) Please turn off or disconnect the battery from device before changing the dip switches.

### Power Button Descriptions

Function	Action	LED Indication
Turn On	Press and hold the button for more than 3s.	Off → On
Turn Off	Press and hold the button for more than 3s.	On → Off
Reset	Press and hold the button for more than 10s.	Blinks quickly.
Check On/Off Status	Quickly press the power button.	Light On: Device is on. Light Off: Device is off.

### Configuration Guide

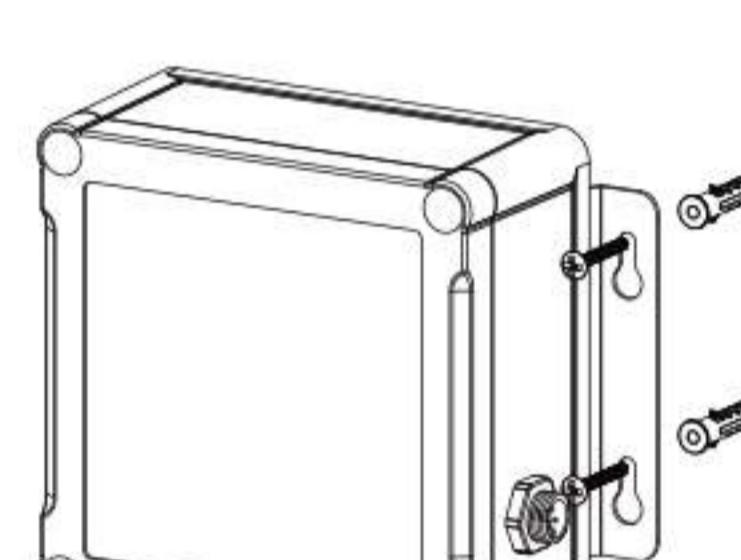
UC500 series can be turned on/off and configured via wireless (NFC) or wired (Type-C) method. Please select one of them to complete configurations.

**Note:** UC51x will automatically turn on after connecting solenoid data cables to solenoid interfaces.

### Installation

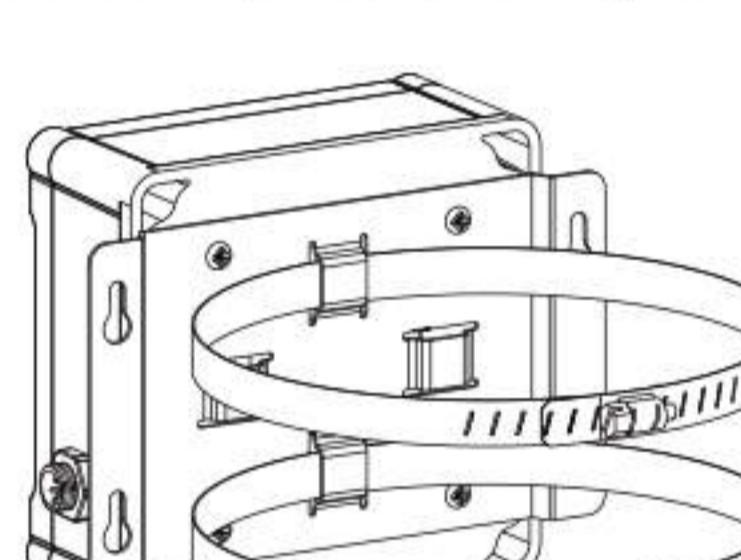
#### Wall Mounting:

Drill four holes on the wall by using your drill and insert four wall plugs into the holes respectively, and then use 4 pcs of screws to fix the device on the wall.



#### Pole Mounting:

Straighten out the hose clamp and slide it through the rectangular rings in the mounting bracket, wrap the hose clamp around the pole. After that use a screwdriver to tighten the locking mechanism by turning it clockwise.



## Compatible with Milesight IoT Cloud

- Interactive collaboration with various Milesight sensors
- Android & iOS allows you to manage devices at fingertips



### Safety Precautions

Milesight will not shoulder responsibility for any loss or damage resulting from not following the instructions of this operating guide.

- The device must not be dismantled or modified in any way.
- Do not place the device close to objects with naked flames.
- Do not place the device where the temperature is below/above the operating range.
- Gently unscrew the M12 cables.
- Please change two batteries at a time.
- Check lightning and water protection when it is being used outdoors.

### Applicability

This Quick Guide is applicable to following products:

Product	Description
UC501	LoRa Controller (Rechargeable)
UC502	LoRa Controller (Non-rechargeable)
UC511	LoRa Controller (for Solenoid Valve and Rechargeable)
UC512	LoRa Controller (for Solenoid Valve and Non-chargeable)

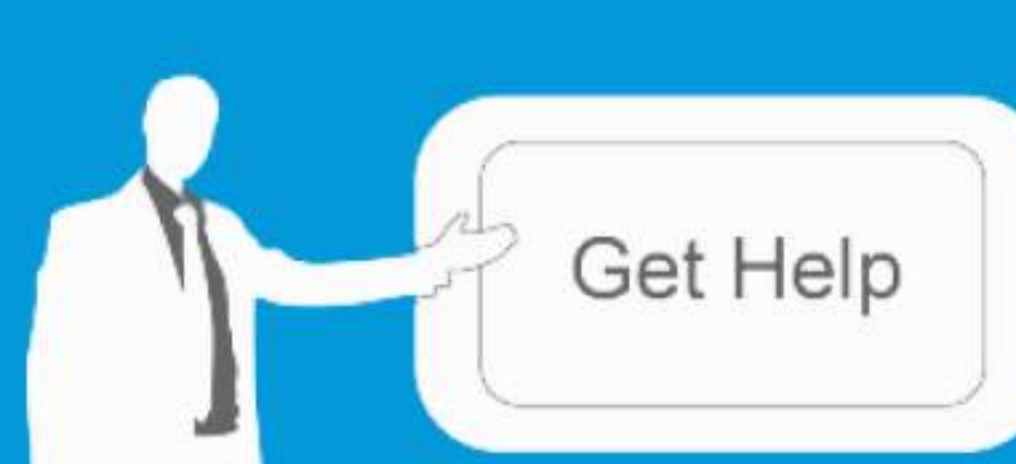
For more functionality and advanced settings, please refer to Milesight website: <https://www.milesight-iot.com>.

### Declaration of Conformity

UC500 Series is in conformity with the essential requirements and other relevant provisions of the CE, FCC, and RoHS.



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For assistance, please contact Milesight technical support:  
Email: [iot.support@milesight.com](mailto:iot.support@milesight.com)  
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Cloud App



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