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SenseCAP MET M2 Multi Platform Gateway



Specifications:

- Model: SenseCAP M2

- Optional accessories for Wx9xx series transmitters
- Manufacturer: COMET SYSTEM, s.r.o.
- Address: Bezrucova 2901 756 61 Roznov pod Radhostem, Czech Republic
- Product Type: Gateway

Product Description and Use

The SenseCAP M2 is a gateway designed as an optional accessory for Wx9xx series transmitters. It is used to connect the transmitters to the COMET Cloud for data transmission and monitoring.

Installation and Configuration:

1. Configure the gateway via WiFi following the instructions in the original device manual.
2. To register the gateway to the COMET Cloud, go to Administration > LoRa Gateways menu.
3. Add the gateway to the list by entering its Gateway EUI identifier (found on the label at the bottom of the device).
4. You can provide a name and location for the gateway on the map for easier identification.
5. Connect the gateway to power and ensure it is connected as per the recommended setup.

Recommended Gateway Connection:

To maintain cybersecurity, it is advised to connect the gateway to a separate VLAN. Follow the image below for the correct connection. Once connected, the gateway status should change to ONLINE in the cloud.

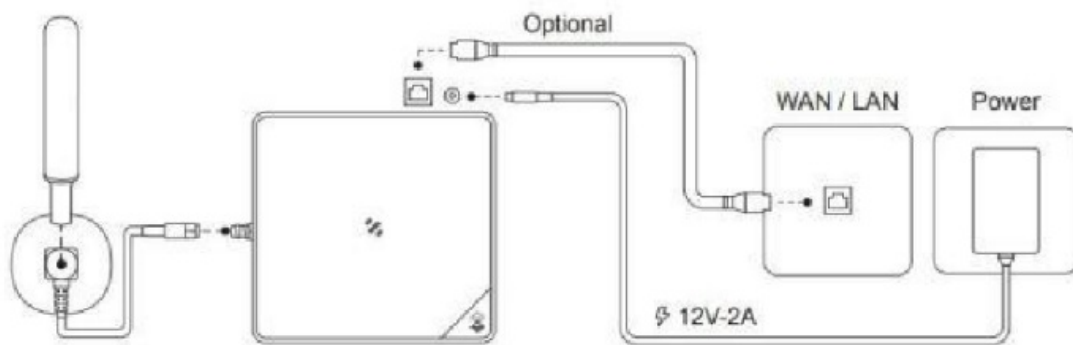
Quick Start for SenseCAP M2 Multi-Platform Gateway & SenseCAP Sensors

- This tutorial will guide you to use the SenseCAP M2 Multi Platform gateway to connect to SenseCAP LoRaWAN® sensors.

Gateway Network Configuration

Connect the antenna and power adaptor to the gateway.

The power LED will show in red, and in about 15s, the indicator on the top will flash green, indicating that the gateway is booting



There are two ways to connect to the Internet. Choose the one that works for you.

Connect to Ethernet Cable

Connect the Ethernet cable to the device, and the indicator on the top will show solid green if the gateway is successfully connected to the internet.

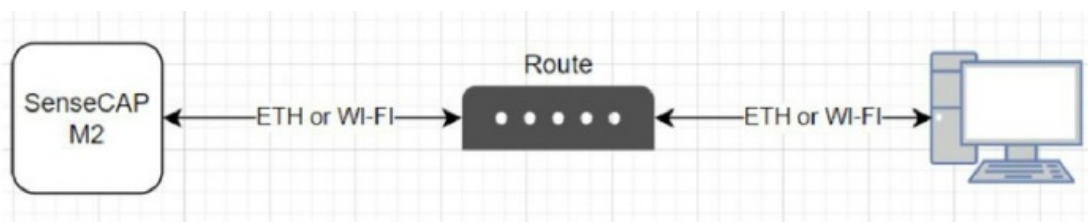
Connect to WIFI via Luci

There are two ways for users to login Luci configuration page.

Access via router

- **Step 1:** Connect your device to an Ethernet cable, and connect your PC to the same router.

Note: Your PC and device should be connected to the same router/network.



- **Step 2: Get IP Address of your device**

Check the IP Address of your device on your router admin page.

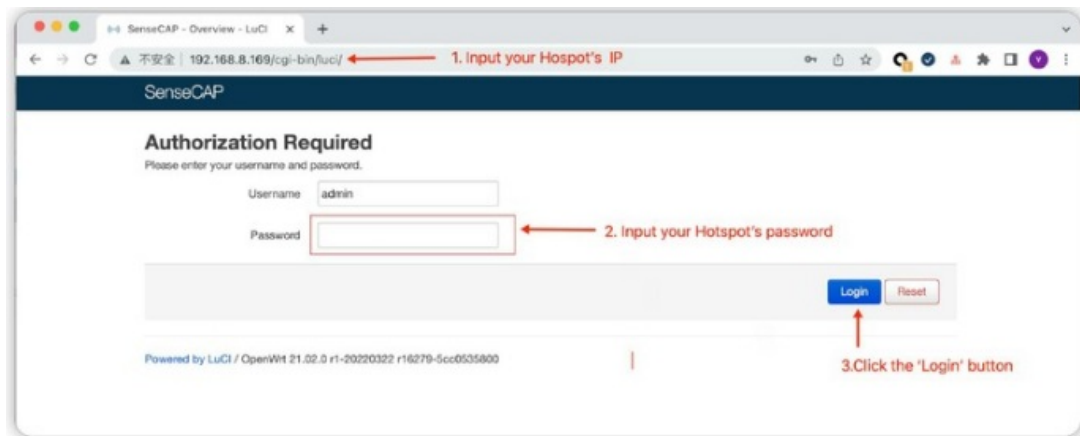
- **Step 3: Get your device Username and Password**

You can find the Username and Password on your device label,



- **Step 4: Log into Luci**

Input the IP Address of your device in a browser to enter the Luci page. Then input your device username and password to login.



Access via the device AP hotspot

- **Step 1: Turn on the device AP hotspot.**

Press the button for 5 seconds until the blue indicator flashes slowly to enter the configuration mode.

- **Step 2: Connect to the AP hotspot.**

AP hotspot name is SenseCAP—XXXXXX (6-figure MAC address), default password is 12345678; connect your computer to this AP hotspot.



- **Step 3: Set your device Username and Password**

You can find the Username and Password on your device label.



- **Step 4: Log in to the Local Console**

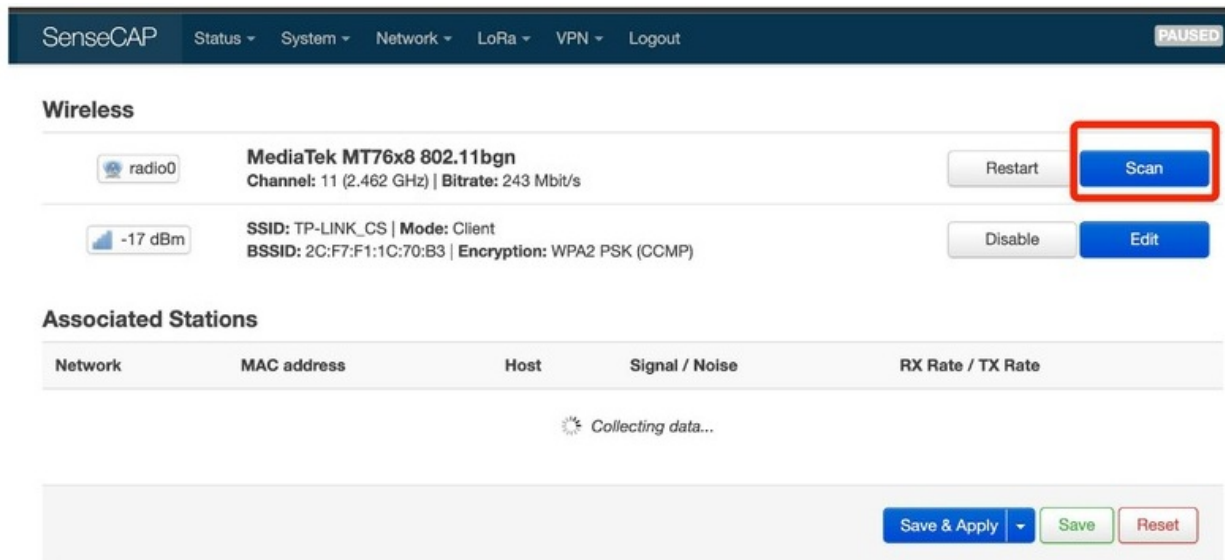
- Input the IP Address (192.168.168.1) in your browser to enter the Local Console.
- Then input your device username and password, and click the Login button.

- **Step 5: Connect to a WIFI**

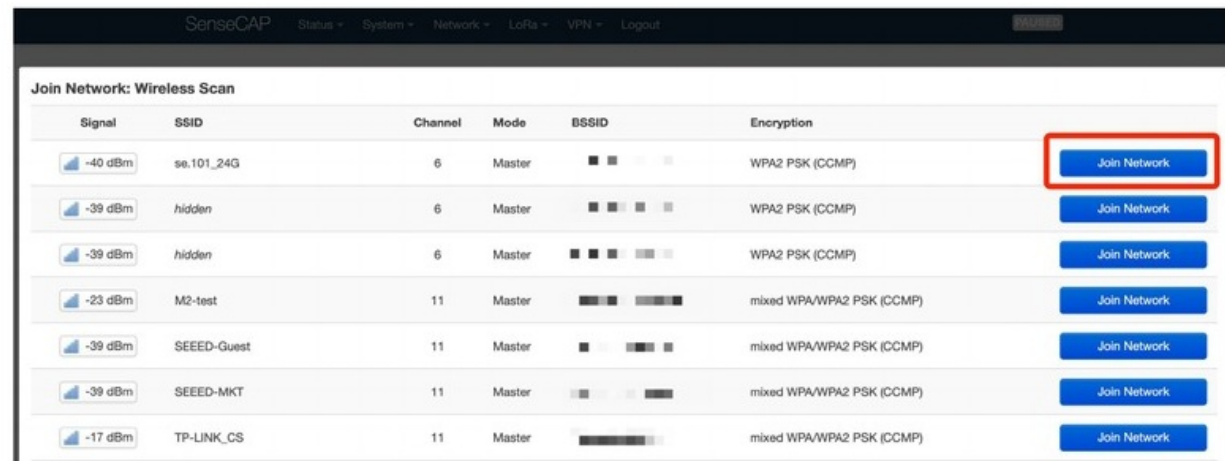
Click on Network – Wireless



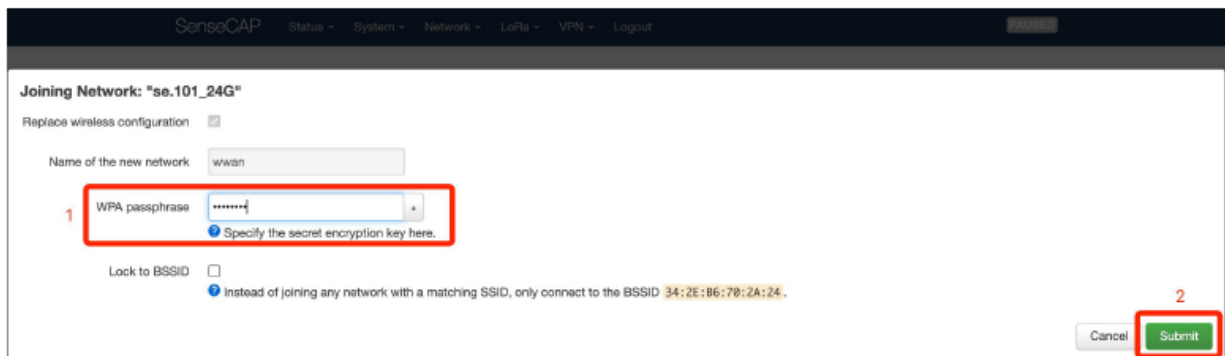
- Click on the Scan button to scan the WIFI.



- Select your WI-FI to join the network.



- Submit the Wi-Fi password, and then click “Submit” and “Save”



The indicator on the top will show solid green if the gateway is successfully connected

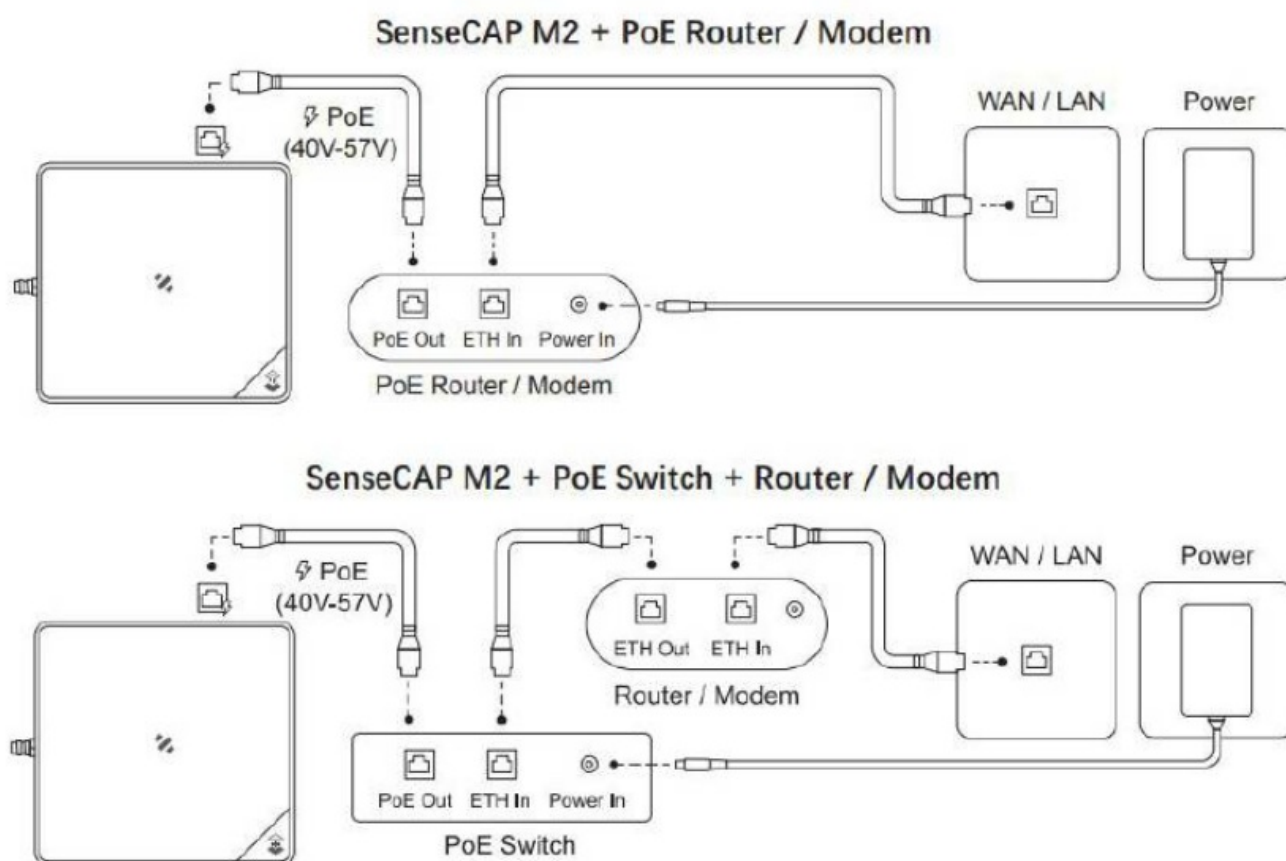
to the WIFI

POE connection

SenseCAP M2 supports POE (Power on Ethernet) and is compatible with IEEE 802.3af standard.

Note:

You will need to have an extra POE switch that provides 40V-57V DC power as a PSE (Power Sourcing Equipment) if your modem/router does not support PoE.



Checking the Gateway Connection Status

After powering on the gateway, there are two ways for you to check the gateway working status::

LED Indicator

Mode		Description
Green	Solid	Gateway is healthy and the internet is well connected.
	Slow blinking	Gateway is booting, please wait.
Blue	Solid	The gateway is ready for internet connection. Further configuration is needed.
	Slow blinking	Configuration mode, and will auto exit after 5 mins if no activity.
	Fast blinking	Press the button for 3 0 s until the indicator show fast flash will trigger the factory reset.
Orange	Slow blinking	Firmware is updating, and please do not power off the gateway or disconnect the internet.
White	Solid	Gateway is only with a factory firmware, and will be updated to the latest firmware automatically when it is connected to the internet.
Red	Solid	Hardware issue or internet connection failure.
	Slow blinking	Gateway not connected to the LNS.

SenseCAP Mate APP

In the SenseCAP Mate App, “Online status” indicates “Online” when the gateway is connected to the network and can receive and transfer sensor data. Please refer to the next chapter for obtaining the SenseCAP App.

Bind the gateway

SenseCAP Mate APP supports device configuration and remote management.

• Step 1: Download the SenseCAP Mate APP

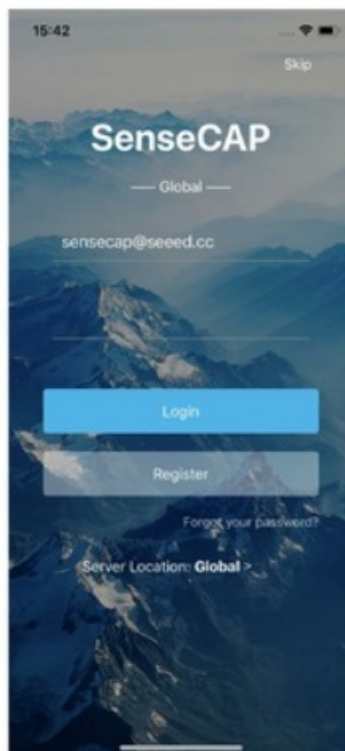
- SenseCAP Mate APP for iOS on App Store
- SenseCAP Mate APP for Android on the Google Play Store
- You can also download App from App Center



- Download the SenseCAP Mate App

- **Step 2: Log in to the APP**

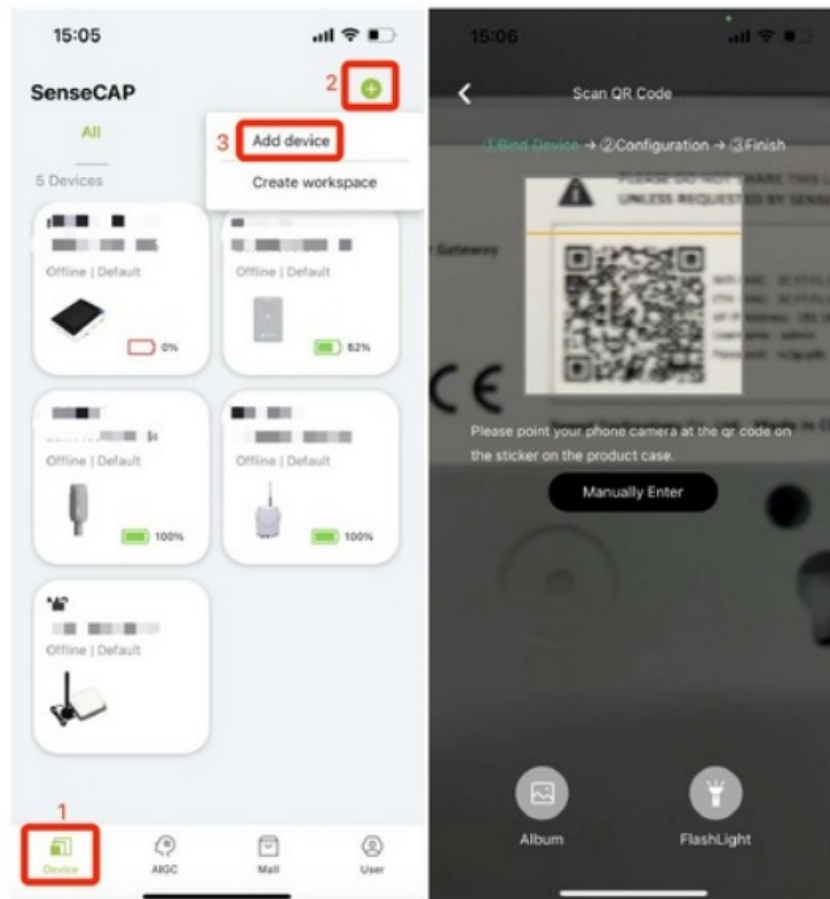
If it is your first time to use the SenseCAP platform, please register an account first.



Note: Please select Global of Server Location.

- **Step 3: Add device**

Click the + in the upper right corner and select Add device Then, scan the QR code on your gateway label.



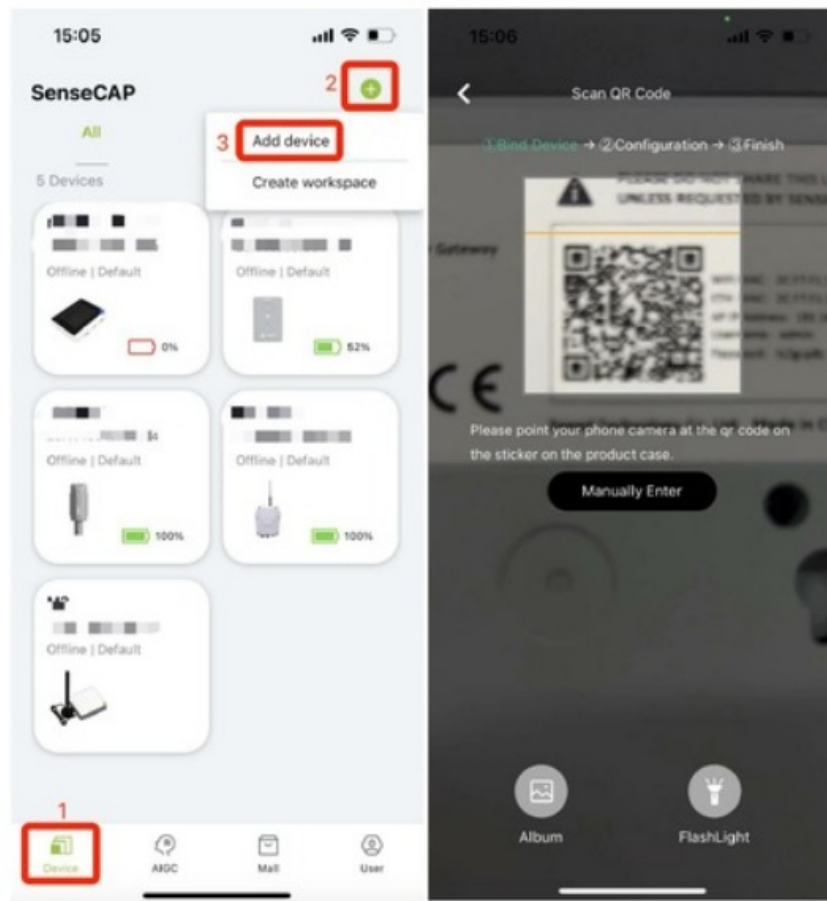
- Set up your device name and location. Then confirm your settings.
- After successful binding, you will see your gateway in the Device directory.



Connect the SenseCAP Sensors

Step 1: Add device

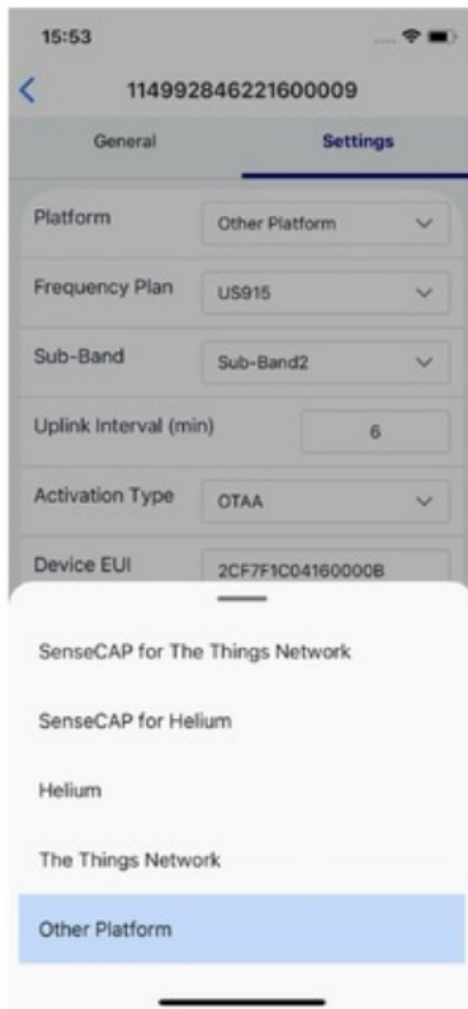
Click the + in the upper right corner and select Add device Then scan the QR code on your gateway label.



Step 2: Select the frequency plan

Click on “Settings”, set the platform and frequency, and the frequency should match your gateway frequency.

eg: If your gateway is US915 version, then you need to set your sensor to IJS915 frequency.



- Note: SenseCAP M2 Multi-Platform Gateway can't connect to the Helium network.
- For more configurations about SenseCAP sensors, please refer to: [SenseCAP Sensors](#)

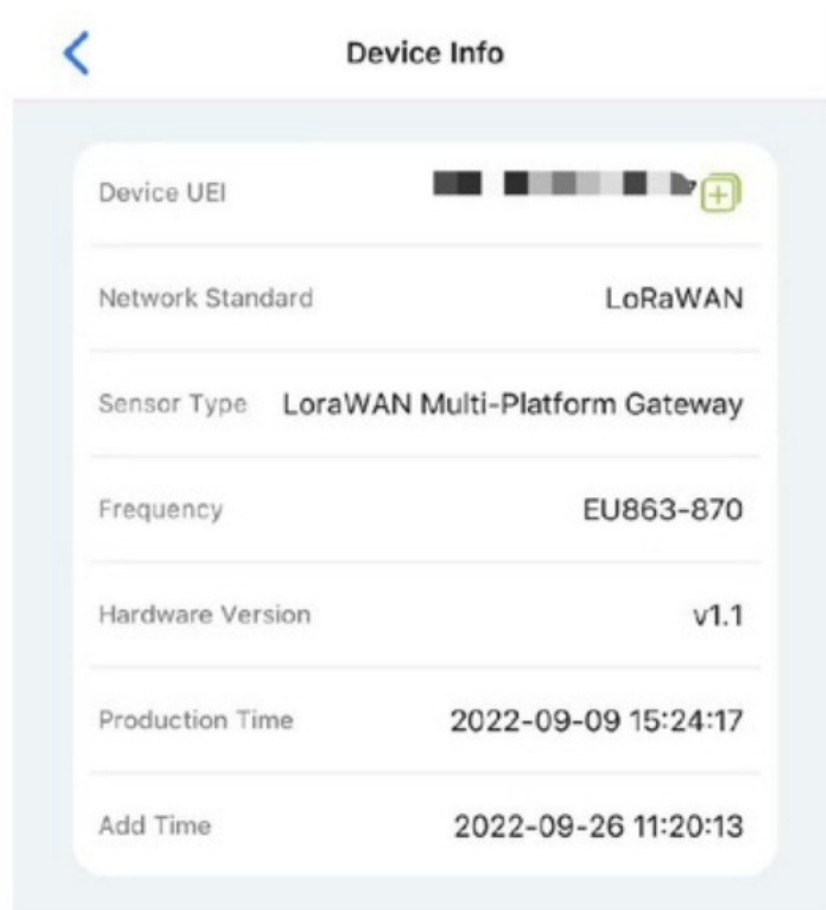
SenseCAP Portal and Mate APP

- SenseCAP Mate APP and SenseCAP Portal can be used to check your device status and device management.
- SenseCAP Mate APP for iOS on App Store
- SenseCAP Mate APP for Android on the Google Play Store
- SenseCAP Portal

Gateway Info

Check the gateway info on the SenseCAP Portal and the SenseCAP Mate APP

SenseCAP Mate APP

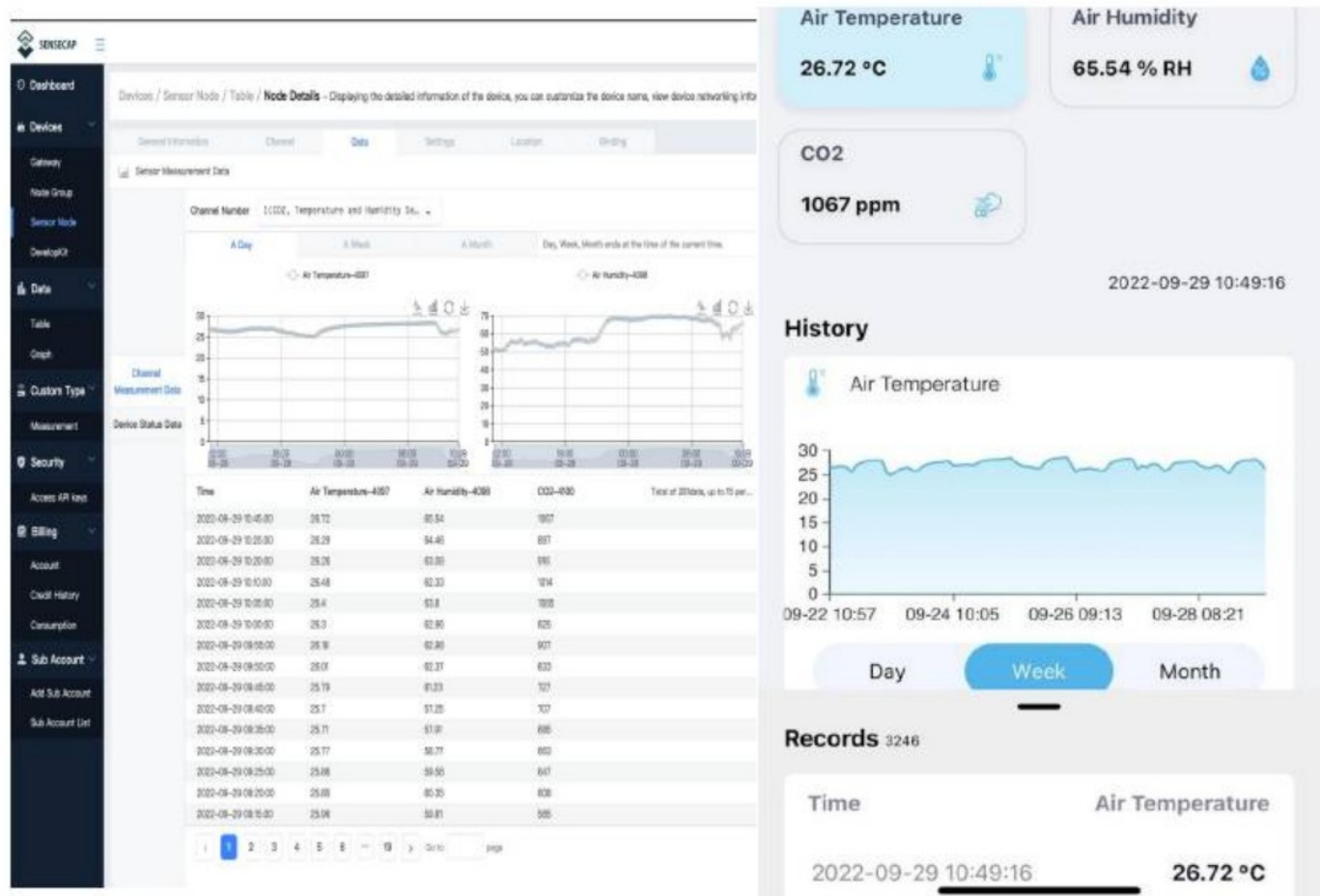


Sensor data

Check the sensor data on the SenseCAP Portal and SenseCAP Mate APP

SenseCAP Portal

SenseCAP Mate APP



FAQs

Q: What should I do if I need to reset the gateway to factory settings?

A: Resetting the gateway will result in the loss of all presets. To reset, follow the instructions provided in the user manual carefully.

Q: How do I know if my gateway is properly connected?

A: Check the gateway list in the COMET Cloud; if the status changes to ONLINE and the indicator on the front surface turns permanently green, your gateway is connected correctly.

Documents / Resources



[MET SenseCAP M2 Multi Platform Gateway \[pdf\]](#) User Guide

SenseCAP M2 Multi Platform Gateway, SenseCAP M2, Multi Platform Gateway, Platform Gateway, Gateway

References

- [User Manual](#)

SENSECAP

gateway, Met, Multi-Platform Gateway, Platform Gateway, SenseCAP M2, SenseCAP M2 Multi Platform Gateway

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