



Milesight

Milesight

# iBox IAQ Kit

Indoor Air Quality Monitoring

## QUICK START GUIDE



Cloud App

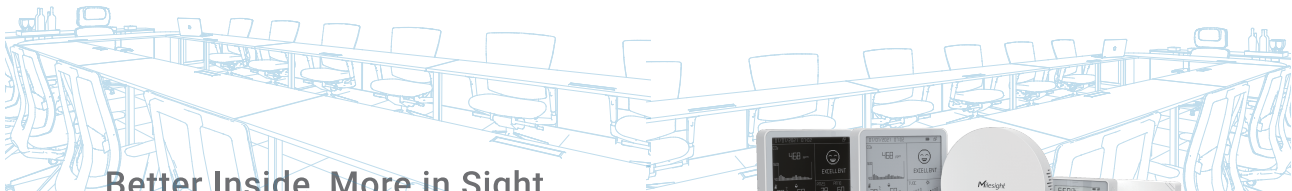


Quick Start Guide

 All software & files can be downloaded from  
<https://www.milesight-iot.com/documents-download/>

**Better Inside, More in Sight**

Milesight IoT Co., Ltd. | [www.milesight-iot.com](http://www.milesight-iot.com)








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## Table of Contents

1. Device List.....	2
2. Packing List.....	4
3. Registration and Activation.....	4
4. Setting-up the Gateway.....	5
5. Setting-up the Sensors.....	7





## 1. Device List

## Option A:

Quantity	Item	Description	Applications
1	AM103L IAQ Sensor 	AM103L is a 3-in-1 ambience monitoring sensor including the measurement of temperature, humidity and CO <sub>2</sub> concentration and can transmit to network server using LoRaWAN® technology.	<ul style="list-style-type: none"> <li>Monitor temperature, humidity and CO<sub>2</sub> levels</li> <li>Indicate CO<sub>2</sub> levels via traffic light</li> <li>Suitable for office or school indoor air quality monitoring</li> </ul>
1	AM103 IAQ Sensor 	AM103 is a 3-in-1 ambience monitoring sensor including the measurement of temperature, humidity and CO <sub>2</sub> concentration and can display indoor status visually on the E-ink screen in real-time and transmit to network server using LoRaWAN® technology.	<ul style="list-style-type: none"> <li>Monitor temperature, humidity and CO<sub>2</sub> levels</li> <li>Indicate CO<sub>2</sub> levels via traffic light and emotion on the E-ink screen</li> <li>Suitable for office or school indoor air quality monitoring</li> </ul>
1	AM307 IAQ Sensor 	AM307 is a 7-in-1 ambience monitoring sensor including the measurement of temperature, humidity, CO <sub>2</sub> concentration, TVOC, pressure, light, motion, etc. It can show visually with different modes on the E-ink screen in real-time and transmit to network server using LoRaWAN® technology.	<ul style="list-style-type: none"> <li>Monitor main pollutants in indoor environment</li> <li>Indicate polluted levels via traffic light and emotion on the screen</li> <li>Suitable for office or school indoor ambience monitoring</li> <li>Real-time alarm with buzzer for polluted indoor air quality</li> </ul>
1	AM319 IAQ Sensor 	AM319 is a 9-in-1 ambience monitoring sensor including the measurement of temperature, humidity, CO <sub>2</sub> concentration, TVOC, pressure, light, motion, PM2.5 & PM10, HCHO/O <sub>3</sub> , etc. It can show visually with different modes on the E-ink screen in real-time and transmit to network server using LoRaWAN® technology.	<ul style="list-style-type: none"> <li>Monitor main pollutants in indoor environment</li> <li>Indicate polluted levels via traffic light and emotion on the screen</li> <li>Suitable for office or school indoor ambience monitoring</li> <li>Real-time alarm with buzzer for polluted indoor air quality</li> </ul>
1	UG63 Mini LoRaWAN® Gateway 	UG63 Mini LoRaWAN® Gateway provides stable connectivity between sensors and mainstream network servers or Milesight IoT Cloud.	<ul style="list-style-type: none"> <li>Collect data from LoRaWAN® sensors</li> <li>Forward data to Milesight IoT Cloud or mainstream network servers via Ethernet</li> </ul>

Quantity	Item	Description	Applications
	1 Year (Pro1) Milesight IoT Cloud 	Milesight IoT Cloud provides unparalleled levels of vertical integration with Milesight LoRaWAN® gateways and sensors. It visualizes field data and enables user to monitor and control remote assets on an intuitive dashboard.	<ul style="list-style-type: none"> <li>Drag &amp; drop dashboard to display data</li> <li>Real-time alarm notifications</li> <li>Exportable historical data and generate reports</li> <li>Custom trigger conditions &amp; actions to enable collaborative interaction among end-devices</li> <li>Android &amp; iOS versions available</li> </ul>

## Option B:

Quantity	Item	Description	Applications
2	AM103 IAQ Sensor 	AM103 is a 3-in-1 ambience monitoring sensor including the measurement of temperature, humidity and CO <sub>2</sub> concentration and can display indoor status visually on the E-ink screen in real-time and transmit to network server using LoRaWAN® technology.	<ul style="list-style-type: none"> <li>Monitor temperature, humidity and CO<sub>2</sub> levels</li> <li>Indicate CO<sub>2</sub> levels via traffic light and emotion on the E-ink screen</li> <li>Suitable for office or school indoor air quality monitoring</li> </ul>
2	AM307 IAQ Sensor 	AM307 is a 7-in-1 ambience monitoring sensor including the measurement of temperature, humidity, CO <sub>2</sub> concentration, TVOC, pressure, light, motion, etc. It can show visually with different modes on the E-ink screen in real-time and transmit to network server using LoRaWAN® technology.	<ul style="list-style-type: none"> <li>Monitor main pollutants in indoor environment</li> <li>Indicate polluted levels via traffic light or emotion on the screen</li> <li>Suitable for office or school indoor ambience monitoring</li> </ul>
1	UG63 Mini LoRaWAN® Gateway 	UG63 Mini LoRaWAN® Gateway provides stable connectivity between sensors and mainstream network servers or Milesight IoT Cloud.	<ul style="list-style-type: none"> <li>Collect data from LoRaWAN® sensors</li> <li>Forward data to Milesight IoT Cloud or mainstream network servers via Ethernet</li> </ul>
	1 Year (Pro1) Milesight IoT Cloud 	Milesight IoT Cloud provides unparalleled levels of vertical integration with Milesight LoRaWAN® gateways and sensors. It visualizes field data and enables user to monitor and control remote assets on an intuitive dashboard.	<ul style="list-style-type: none"> <li>Drag &amp; drop dashboard to display data</li> <li>Real-time alarm notifications</li> <li>Exportable historical data and generate reports</li> <li>Custom trigger conditions &amp; actions to enable collaborative interaction among end-devices</li> <li>Android &amp; iOS versions available</li> </ul>

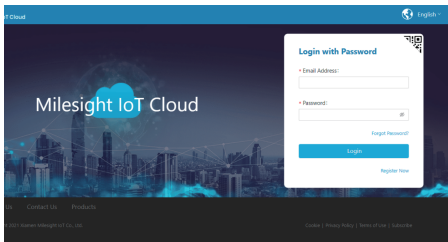
## 2. Packing List

Item	AM103/AM103L	AM307	AM319	UG63
Device	●	●	●	●
Ethernet Cable				●
ER14505 Li-SoCl <sub>2</sub> Batteries	●	●		
Mounting Bracket		●	●	
3M Double-Sided Tape	●	●	●	
Wall Mounting Kits	●	●	●	●
Theft-Detering Screw	●	●	●	
Type-C Cable & Power Adapter			●	○
Warranty Card		●		

**Note:** ●=standard, ○=optional.

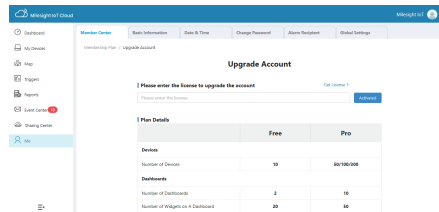
## 3. Registration and Activation

1. Open web browser, navigate to [cloud.milesight-iot.com](http://cloud.milesight-iot.com) to register a Milesight IoT Cloud account. You can also install Milesight IoT Cloud App from Google Play or App store.



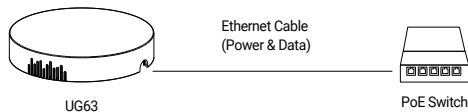
2. Activate the account to pro 1 plan by entering the activation code on the web GUI. You can contact your sales representative to get the activation code.

[www.milesight-iot.com](http://www.milesight-iot.com)

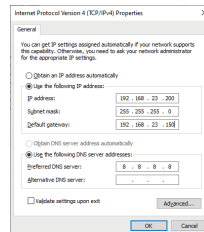


## 4. Setting-up the Gateway

1. Power on the UG63 via PoE or type-C port.



2. Connect the UG63 gateway to PC via Ethernet port or PoE switch and configure the IP address of computer to the same subnet with the UG63 gateway manually (e.g. 192.168.23.200).



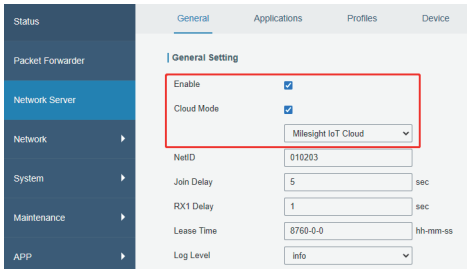
[www.milesight-iot.com](http://www.milesight-iot.com)

3. Type 192.168.23.150 into the browser on PC to log in the web GUI of UG63 gateway.

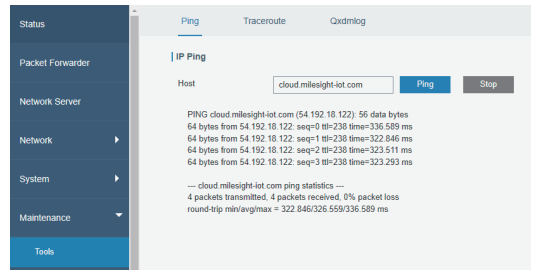
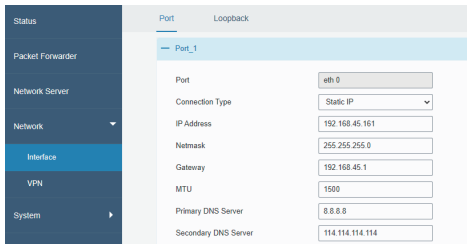
Username: **admin**

Password: **password**

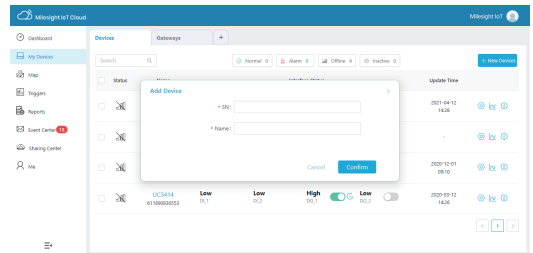
4. Enable the network server and Milesight IoT Cloud mode.



5. Select the Connection Type of Ethernet port and fill in the IP information, then connect UG63 gateway Ethernet port to network devices like a router or a modem to get Internet access.

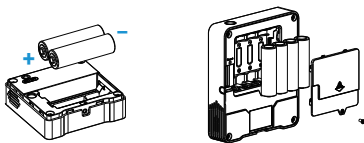


6. Fill in the device SN to add gateway and ensure the gateway is online. You can also enter the SN manually on the Cloud App to add the gateway.



## 5. Setting-up the Sensors

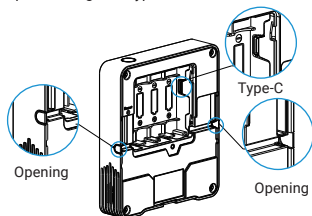
1. Install the batteries onto AM103/AM103L devices and AM307 devices.



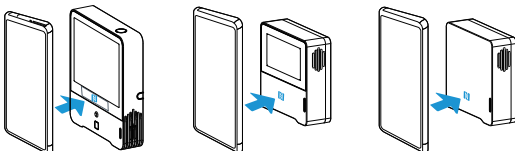
AM103/AM103L

AM307

For AM319, connect the type-C cable to the USB port and left or right side should make an opening to pass through the type-C cable.



2. Use an NFC-enabled smart phone to install Milesight ToolBox App from Google Play or App store, place the NFC area of phone close to devices and use Milesight ToolBox App to power on, read and configure the device.



AM307/AM319

AM103

AM103L

For AM307/AM319, you can also connect the type-C port to PC and use ToolBox software downloaded from Milesight website to configure the device.

#### Milesight ToolBox PC:

<https://www.milesight-iot.com/software-download/>

#### Milesight ToolBox App:

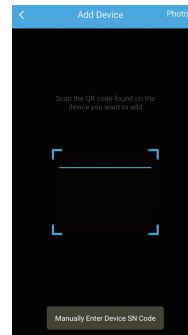


Android



iOS

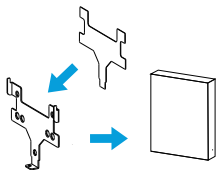
3. Fill in the device SN to add sensors on Milesight IoT Cloud page. You can also use Cloud App to scan the QR code on the label of device to add, or fill in the device SN manually to add sensors.



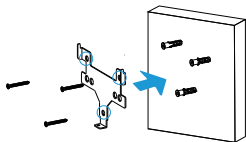
After devices are getting online, you can view the data on the cloud.

4. Fix devices to the wall via wall mounting kits or 3M tapes, then fix the bottom of the device to the bracket or rear cover with the theft-detering screw.

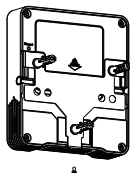
AM307/AM319:



Fixed by 3M Tapes

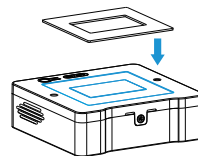


Fixed by Screws

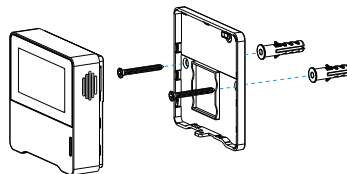


Theft-Detering Screw Installation

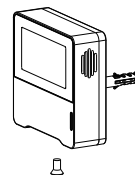
AM103/AM103L:



Fixed by 3M Tapes



Fixed by Screws



Theft-Detering Screw Installation

# IAQ Solution

Thank you  
for choosing  
Milesight Product

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