

# SEG-X6 ZigBee Gateway

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## Quick Start Guide

# Safety Handling

**WARNING:** Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the gateway and other property. Read all the safety notices below before using the gateway.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit on your own.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.
- Do not use harsh chemicals or strong detergents to clean it.
- Do not place it where infants and young children can touch, children should use under parental supervision.
- Do not touch it when powering on to ensure your safety.
- Indoor use only.

# Technical Specifications

## Connectivity

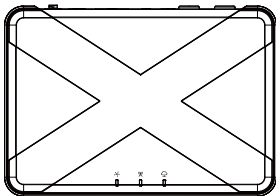
|                           |                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4G</b>                 | <ul style="list-style-type: none"><li>• LTE Cat1</li></ul>                                                                                              |
| <b>Band</b>               | <ul style="list-style-type: none"><li>• FDD-LTE:<br/>B1,B3,B5,B7,B8,B20,B28</li></ul>                                                                   |
| <b>Data Rate</b>          | <ul style="list-style-type: none"><li>• FDD-LTE: Cat 1, Max 10 Mbps (DL)/Max 5 Mbps (UL)</li></ul>                                                      |
| <b>ZigBee</b>             | <ul style="list-style-type: none"><li>• 2.4GHz IEEE 802.15.4</li></ul>                                                                                  |
| <b>ZigBee Profile</b>     | <ul style="list-style-type: none"><li>• ZigBee 3.0</li></ul>                                                                                            |
| <b>RF Characteristics</b> | <ul style="list-style-type: none"><li>• Operating frequency: 2.4 GHz</li><li>• Internal PCB Antenna</li><li>• Range outdoor: 100m (Open area)</li></ul> |

## Physical Specifications

|                              |                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Operating Voltage</b>     | <ul style="list-style-type: none"><li>• USB-C DC5V/2A</li></ul>                                                          |
| <b>Operating environment</b> | <ul style="list-style-type: none"><li>• Temperature:-20 °C~+55 °C</li><li>• Humidity: ≤ 90%<br/>non-condensing</li></ul> |
| <b>Dimensions</b>            | <ul style="list-style-type: none"><li>• 91.5(W) x 133 (L) x 28.2(H) mm</li></ul>                                         |
| <b>Mounting Type</b>         | <ul style="list-style-type: none"><li>• Tabletop stand or Wall mounting</li></ul>                                        |

# 1

## Welcome



The SEG-X6 Smart Gateway acts as a central platform for your smart home system. It allows you to add ZigBee devices into the system. Automatic control, schedule, scene, remote monitoring and control for ZigBee devices can enrich your IoT experience.

This guide will provide you with an overview of the product and help you get through the initial setup.

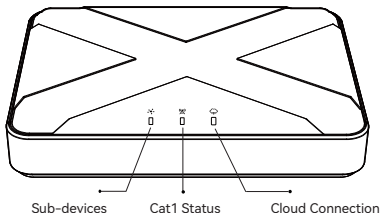
### Features:

- ZigBee 3.0
- Built-in buzzer
- Stable internet connection via LTE Cat1
- ZigBee coordinator of the home area network and provide stable ZigBee connection
- Local linkage, scenes, schedules

## 2

# Get to know your device

## 2.1 Indicator



### 2.1.1 Cloud Connection

The status gives the following information:

| LED Color | Status         | What it means                       |
|-----------|----------------|-------------------------------------|
| Green     | Always-on      | Connected to the cloud Successfully |
| Orange    | Always-on      | Under configuration mode            |
|           | Flashes slowly | Failed to connect to the cloud      |

### 2.1.2 Cat1 Status Indicator

The status gives the following information:

| LED Color | Status          | What it means          |
|-----------|-----------------|------------------------|
| Blue      | Always-on       | signal strength strong |
|           | Flashes rapidly | signal strength medium |
|           | Flashes slowly  | signal strength weak   |
|           | Off             | No signal              |

### 2.1.3 Sub-devices indicator

The status gives the following information:

| LED Status      | What it means                         |
|-----------------|---------------------------------------|
| Flashes rapidly | Allow sub-devices to join the gateway |

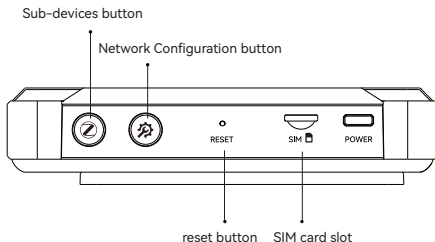
### 2.1.4 Reset

The three indicators will keep always-on when gateway was reset or power on.

### 2.1.5 OTA

The three indicators will keep flash slowly during the firmware upgrade process.

## 2.2 Button



### 2.2.1 Sub-devices button

- **Permit join**: Press and hold it for 2 seconds until the Sub-devices indicator flashes rapidly to allow sub-devices to join the gateway which will last 2 min, you can hold it again for 2 seconds to exit it.

### 2.2.2 Reset button

- **Reset:** Press and hold the reset button for 10 seconds until the buzzer beeps to restore the gateway to default factory setting.

## 2.3 Buzzer

The gateway has a built-in buzzer, the status gives the following information:

| Status                                 | What it means                              |
|----------------------------------------|--------------------------------------------|
| One long beep                          | Reset the gateway                          |
| Beep twice quickly with interval 100ms | Turn into network configuration mode       |
| Beep twice evenly with interval 500ms  | Sub-device successfully joined the gateway |

## 3

# Get Started

### 3.1 Installation

1. Insert the SIM card, please perform SIM card insertion and removal operations while the gateway is powered off
2. Once the best position has been identified, insert the microUSB cable to the POWER port and connect it to power supply.
3. Wait for the cloud connection indicator on the gateway turn green, which means the gateway has successfully connected to the cloud.
4. After that, open the app and follow the instructions to add gateway.

### 3.2 Add sub-devices

Please refer to the manual of your sub-device for the pairing operation, then enable permit join on gateway. When the subdevice successfully pair with gateway, the buzzer will beep twice evenly.