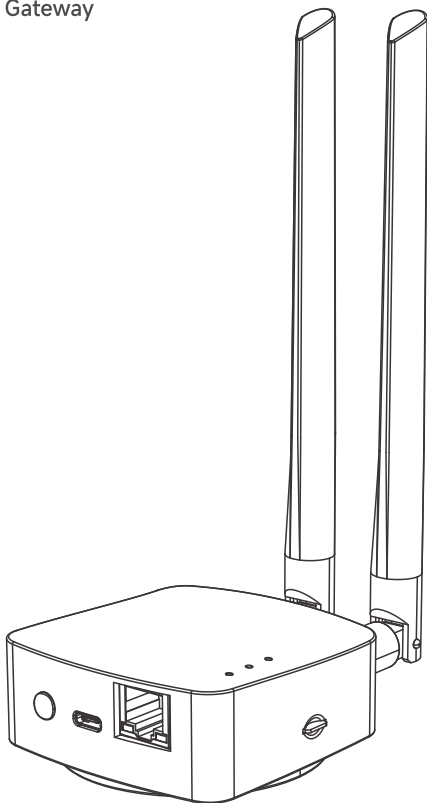


# ThinkNode

G3 LoRaWAN Gateway

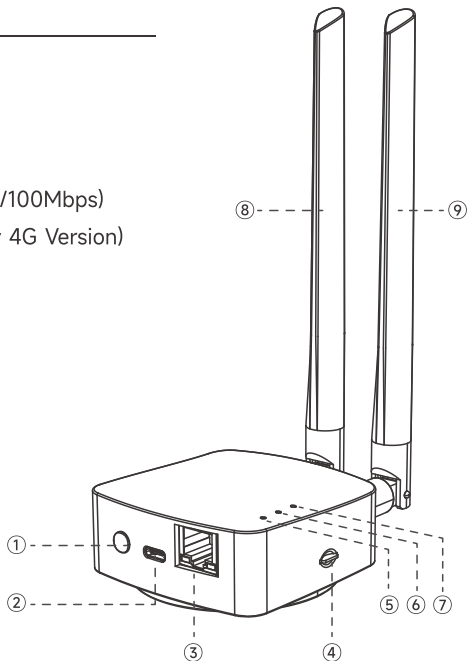


## User Manual

# Device Parts

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- ① Reload Button
- ② Type-C Port: 5V/1A
- ③ Ethernet Port (10Mbps/100Mbps)
- ④ SIM Card Socket (Only 4G Version)
- ⑤ LINK Status LED
- ⑥ LoRa Status LED
- ⑦ PWR Status LED
- ⑧ LoRa Antenna
- ⑨ 4G Antenna (Optional)



## Product LED Status

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1. When the device is powered on, the red LED remains solid.
2. During data transmission, the blue LED blinks.
3. After the device is connected to Wi-Fi or Ethernet, the green LED remains solid.

## Parts List

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- |                                   |                  |
|-----------------------------------|------------------|
| • ThinkNode-G3 x1                 | • Base x1        |
| • LoRa antenna x1                 | • Screw x3       |
| • 4G antenna (Only 4G Version) x1 | • User Manual x1 |
| • USB-A to USB-C data cable x1    |                  |

## Wi-Fi Setup Steps

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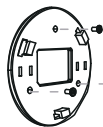
1. Power on the device, press and hold the Reload button for 5 seconds, then release. The device will enter the gateway configuration mode, and the green LED(LINK) will blink. Use a computer to connect to the gateway's Wi-Fi network (ThinkNode-G3\_xxxxxx), with the password: 88888888.
2. Open a browser and enter 192.168.4.1 to access the gateway configuration page:
  - NET MODE: WIFI
  - WIFI SSID: Enter the Wi-Fi name you want to connect to (non-5GHz Wi-Fi network)
  - WIFI PASS: Enter the password for the Wi-Fi network you want to connect to
  - Gateway ID: xxxxxxffffxxxxx
  - SERVER ADDR: eu1.cloud.thethings.network (default)
  - SERVER PORT: 1700 (default)
  - REGION: EU868/US915/AU915 (Select according to the actual frequency band)
  - CHANNEL: \* (Choose according to the frequency of the connected device)
  - SF: \*\* (Choose according to the frequency of the connected device)
  - TIME ZONE: UTC
3. Click **Submit** to save the configuration settings. The gateway will automatically reboot, and the green LED (LINK) will turn off temporarily, then remain solid.

## Ethernet Setup Steps

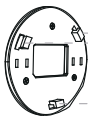
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1. Connect the Ethernet cable to the device and power it on, press and hold the Reload button for 5 seconds, then release. The device will enter the gateway configuration mode, and the green LED(LINK) will blink. Use a computer to connect to the gateway's Wi-Fi network (ThinkNode-G3\_xxxxxx), with the password: 88888888.
2. Open a browser and enter 192.168.4.1 to access the gateway configuration page:
  - NET MODE: NET
  - WIFI SSID:
  - WIFI PASS:
  - Gateway ID: xxxxxxffffxxxxx
  - SERVER ADDR: eu1.cloud.thethings.network (default)
  - SERVER PORT: 1700 (default)
  - REGION: EU868/US915/AU915 (Select according to the actual frequency band)
  - CHANNEL: \* (Choose according to the frequency of the connected device)
  - SF: \*\* (Choose according to the frequency of the connected device)
  - TIME ZONE: UTC
3. Click **Submit** to save the configuration settings. The gateway will automatically reboot, and the green LED (LINK) will turn off temporarily, then remain solid.

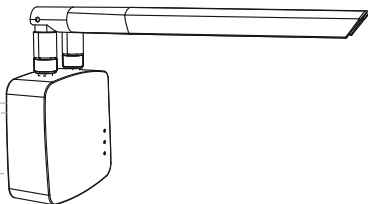
## Base Installation Steps



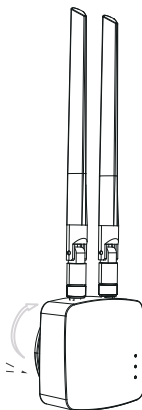
1. Secure the base to the wall or other target installation area using screws



2. Align the bottom slots of the ThinkNode-G3 with the mounting pegs on the base



3. Rotate the ThinkNode-G3 clockwise until it locks securely into position



## Main Specifications

Product Name	ThinkNode-G3
Input	5V/1A
Weight	108 g
Dimensions	75*75*30mm (excluding antenna)
Interfaces	Type-C (USB), RP-SMA (LoRa/4G), RJ45 (WAN/LAN)
LoRa Gateway Chip	SX1262
LoRa Sensitivity	-125dBm @125K/SF7, -139dBm @125K/SF12
LoRa TX Power	22dBm
WiFi	Support 2.4 GHz 802.11 b/g/n
Bluetooth	Dual-Mode Bluetooth-BR/EDR+BLE 5.0
Antenna	LoRa/4G: 6dBi External Antenna, WiFi: Internal Antenna, BLE: Internal Antenna