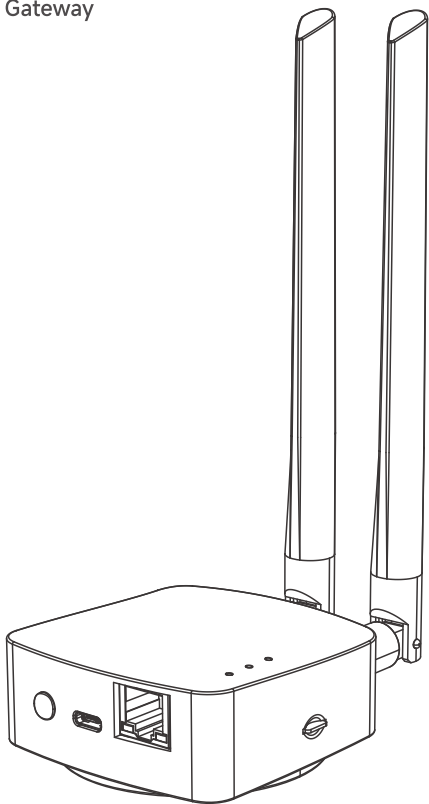


ThinkNode

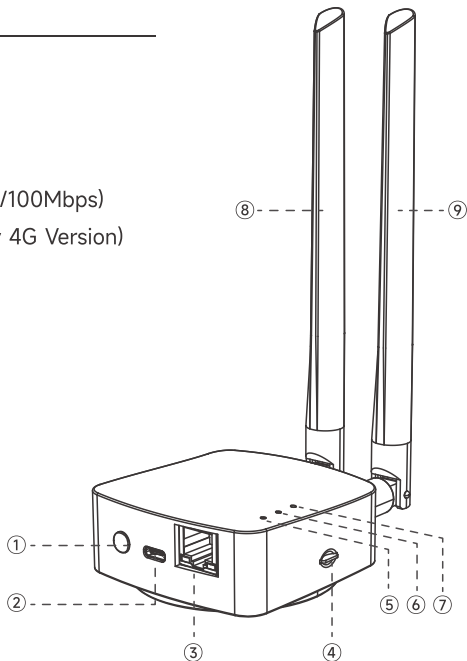
G3 LoRaWAN Gateway



User Manual

Device Parts

- 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

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

- | | |
|-----------------------------------|------------------|
| • 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 | |

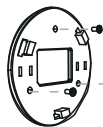
Wi-Fi Setup Steps

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.

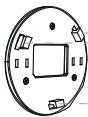
Ethernet Setup Steps

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.

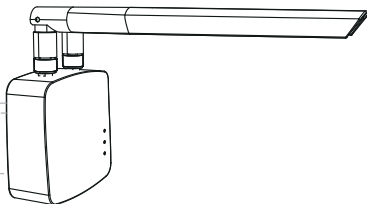
Base Installation Steps



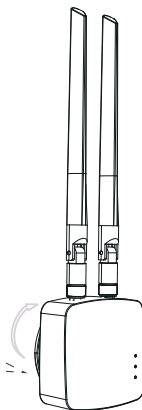
1. Secure the base to the wall or other target installation area using screws



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