Product Name	**GAOTek Remote Healthcare**
Product SKU	**GAOTek-HI-148**
Product URL	https://gaotek.com/product/gaotek-remote-healthcare/

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GAOTek Remote Healthcare

1.Product overview

Zigbee LAN gateway is the core device of the Zigbee network. Zigbee devices are added to the network through the gateway to realize communication with other Zigbee devices. The gateway is connected to the router through a network cable to communicate with the cloud and mobile apps. Through the app can view and control Zigbee equipment

2. Application field

- Smart LED
- Smart home/home appliances
- Intelligent low-power sensor

3. Product features

a) Control Zigbee devices: users can control Zigbee's sub-devices through the gateway, and support remote control and group control;

b) One-key networking: support multiple devices to be added at the same time, simplify the tedious steps of network configuration, and make the device networking operation more user-friendly;

c) Cloud scene/automation: Through the scene and automation settings in the APP, the sub-device under the gateway can be used as an execution or trigger condition to link with other smart devices;

d) Local scene/automation: When scene/automation is executed, the local will be given priority. Through this function, the intelligent scene/automation set by the user can still be executed efficiently even when the external network is disconnected;

e) Support project deployment: support project installation and deployment, local deployment and installation of equipment can also be completed in the real estate construction environment, and support intelligent scene configuration, users only need to configure the gateway to use when staying in.

4. Product specifications

Physical characteristics	
Appearance size	Length*width*height =92*92*25.5mm
Weight	Weight Net Weight 100g
Status indicator	4 LED (Green)
Operation buttons	2 button (reset)
Power supply	MicroUSB DC5V
Working current	<1A
Adapter	110V～240VAC， 5V/1ADC
Working Voltage	1.8V～3.3V
Working temperature	-10-55℃
Working humidity	10%-90%RH(Non-condensing)
Storage temperature	-20-60℃
Storage humidity	5%-90%RH(Non-condensing)
Hardware interface	1 个 Micro-USB, 1 LAN Interface
Wireless technology	IEEE 802.15.4 2.4~2.485Ghz
	Zigbee 3.0

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Product Technical Specifications:

Main System		Zigbee	
Category	Parameter	Category	Parameter
Chip/Module	RTL8196E	Chip/Module	EFR32MG1B232/TYZS4-IPEX
CPU frequency	400MHz	Standard IEEE 802.15.4	IEEE 802.15.4
Chip architecture	MIPS	Frequency band	2.405～2.480GHz
Flash	128Mbit	Dynamic output power	>300m
DDR2	256Mbit	Open line-of-sight transmission distance	>300m
USB	2 USBHost/Device,1 USBPHY	Frequency error	±15ppm
UART	1 Debug, 1data	Theoretical transmission rate	250kbps
GPIO	16	Receiving sensitivity	Typical value -102dBm, PER<10%
Timer	2 hardware timers, 1 watchdog	Total number of channels	16
WAN	1pc 10/100M Ethernet port (RJ45 interface)	Channel number	11~26
Indicator light	1 network indicator(2green), 1 bluetooth status indicator(2green)	Network topology	Support star and mesh network
button	2 reset buttons	Firmware upgrade	Support OTA

Status indicator and reset

Indicator light logic in working state

2 Green light: indicates Wi-Fi status:

① Stable light means connected;

② Flashing means to be connected;

2 Green light: indicates Zigbee status:

① Stable light means inactive;

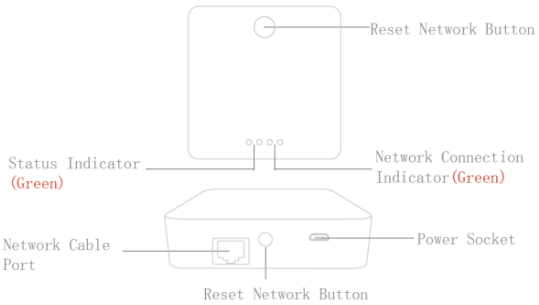
② Long off means it has been activated;

③ Flashing means that the sub-device is allowed to access the network;

Long distribution network mode:

1. Short press the button (key time ≤ 5 seconds) to enter the long distribution network mode, which lasts for 1 hour, the distribution network indicator light keeps flashing, and the flashing interval is 500ms(0.5S);

2. In the long-term distribution network mode, short press the button again (key time ≤5 seconds) to exit the long-term



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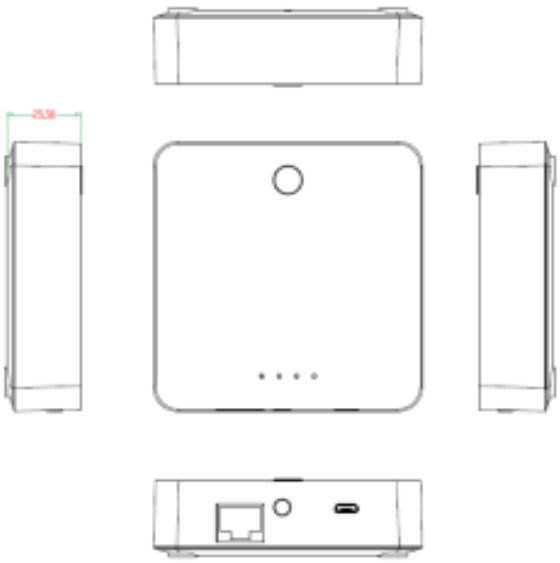
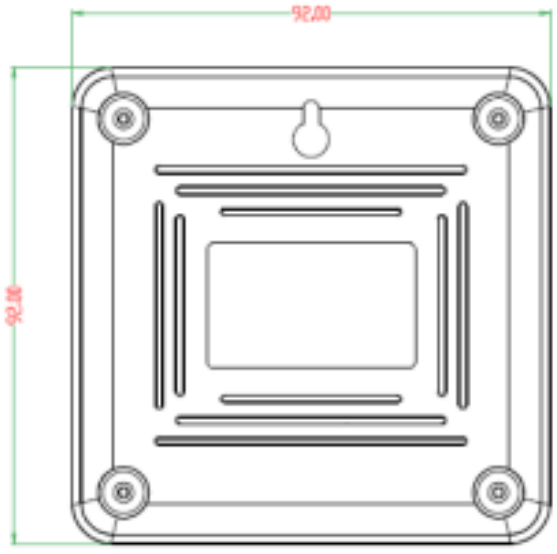
5.Appearance size

Unit：mm





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6.Packing List

Zigbee LAN gateway x1

LAN Cable x1

Data Cable x1

Adapter x1（Optional, not included in standard kit）

User Manual x1

Questions :

Q. Does the product support Wi-Fi connection?

A: The product supports Zigbee connection in the downlink, and only wired connection in the uplink;

Q. Does the product support 5G frequency band connection?

A: The product only supports 2.4G Wi-Fi (the same local area network) connected to the mobile phone during network configuration, and does not support 5G;

Q. When ensuring stable control, what is the farthest distance between the sub-device and the gateway?

A: Indoor 35m, outdoor 200m+, stable control; Q. How many sub-devices can be connected at most? A: 128;

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