



Product Name	Z-Wave Smart Gateway Router
Product SKU	GAOTek-Z-Wave-161
Product URL	https://gaotek.com/product/gaotek-z-wave-smart-gateway-router/

Contact us: sales@gaotek.com

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Content

Index

1. Introduction	3
a. Purpose and Description.....	3
b. Product List	3
c. Appearance Description	4
2. How To Use	5
a. Position Your Gateway	5
b. Installation Method 1 (Wall Hanging)	6
c. Installation Method 2 (Place)	6
d. Connect Your Gateway	7
3. Luci	8
a. Purpose& Description	8
b. Product Feature Summary	8
- Wireless protocol:	8
- Ethernet	8
c. System block diagram\.....	9
d. Development Environment and Tool.....	9
4. Reference Documentation.....	9
a. Standard Protocol Documentation.....	9
5. Configuration	10
a. Basic Configuration.....	10
a. Deploy the environment of configuration	10
b. Login Password of Configuration Page	11



b. IOT Service 18

Bluetooth..... 18

Zigee management..... 22

LTE..... 23

c. Application solution 24

Scanner 24

Beacon..... 26

Security..... 28

d. Advance..... 30

Logo setting..... 30

System 31

Administration..... 32

Backup/ Flash firmware 33

Reboot 34

e. Logout 34

1.Introduction

a. Purpose and Description

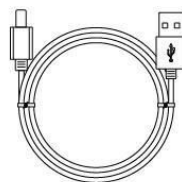
It is a smart Gateway with DC power supply. It can convert IoT wireless device data into a network protocol. It can be used in various scenarios flexibly. It can control BLE5.2 and zigbee3.0 device remotely, receives the data sent by the BLE5.2 and zigbee3.0 devices and sends it to servers. The Wi-Fi data rate can be up to 300Mbps and BLE data rate can be up to 2Mbps. It can also supports the 5V adapter power supply, It reserves the ZigBee3.0 function ,Z-WAVE, Sub-G,4G LTE function.

b. Product List

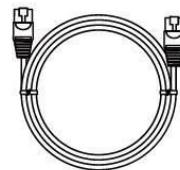
Product list	Number
Smart Gateway	1
Network Cable	1
USB Power Cable	1
USA Standard power adapter	1
UK Standard power adapter	1
EU Standard power adapter	1



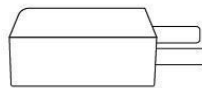
Smart Gateway



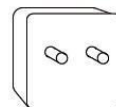
Usb Power Cable



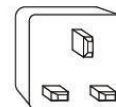
Network Cable



USA Standard Power Adapter



EU Standard Power Adapter

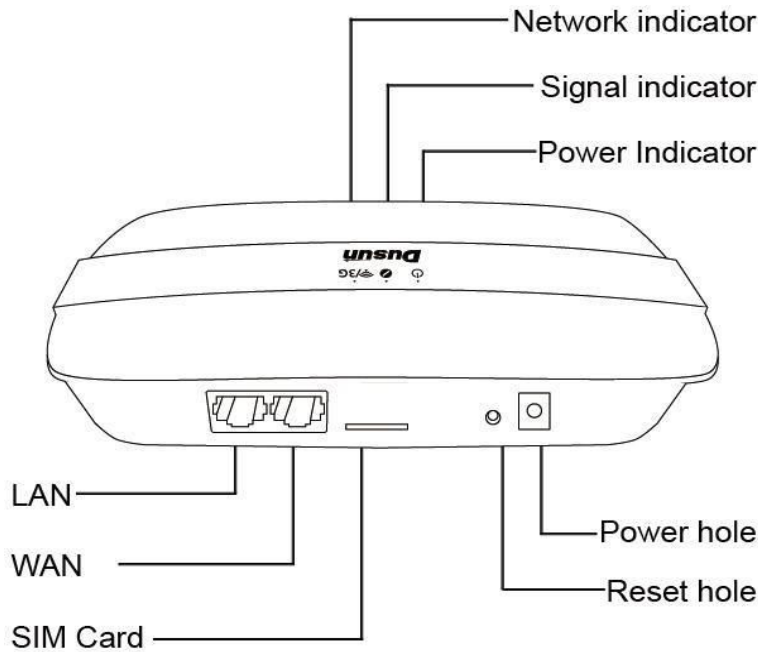


UK Standard Power Adapter

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.

c. Appearance Description

Power indicator	Indicates whether the power supply is connected properly
Network indicator	Indicates whether the network is connected
Signal indicator	Indicate whether the signal is connected
LAN port	Connect computer and other network equipment.
WAN port	This port allows the router to connect to the LAN.
SIM card slot	Standard SIM card
Reset hole	Restore factory settings



2. How To Use

a. Position Your Gateway

With the gateway, you can access your network from anywhere within the wireless network coverage. However, the wireless signal strength and coverage varies depending on the actual environment where your gateway is in. Many obstacles may limit the range of the wireless signal, for example, concrete structures, thickness and number of walls.

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.

For your security and best Wi-Fi performance, please:

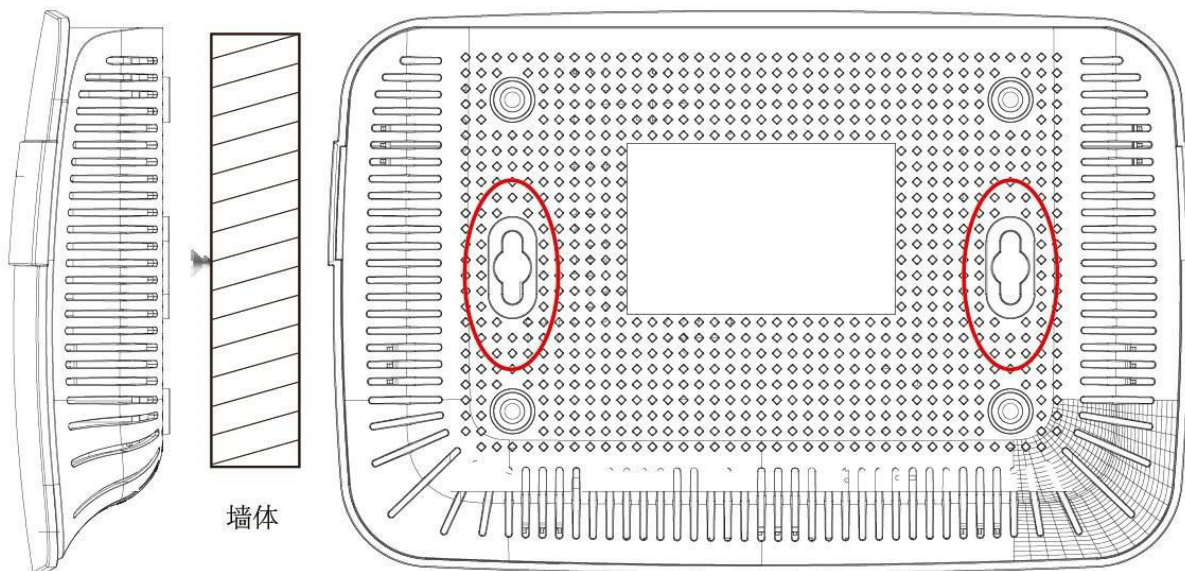
- Do not locate the gateway in the place where it will be exposed to moisture or excessive heat.
- Keep away from strong electromagnetic radiation source and electromagnetic-sensitive devices.
- Place the gateway in a location where it can be connected to the various devices as well as to a power source.
- Place the gateway in a location where it can receive a strong mobile internet signal.
- Make sure the cables and power cord are safely placed out of the way so they do not create a tripping hazard.

Tips: The gateway can be placed on a shelf or desktop.

b. Installation Method 1 (Wall Hanging)

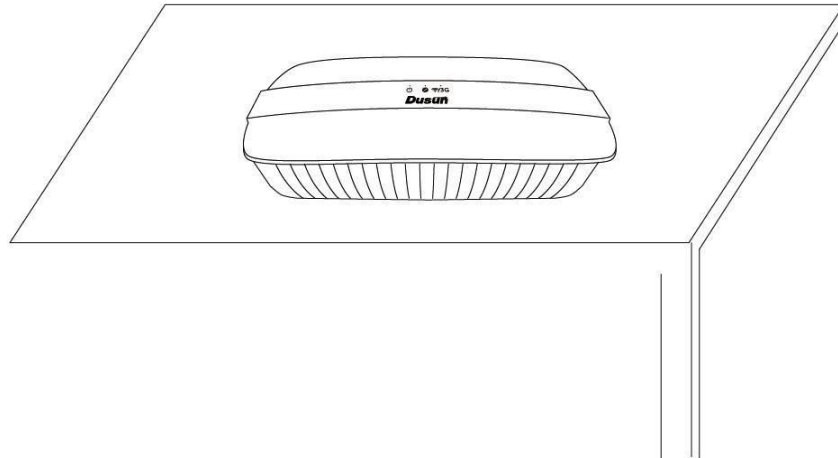
Step 1. Fix the expansion tube in the wall with screws

Step 2. Hang the gateway on the screws to fix it



c. Installation Method 2 (Place)

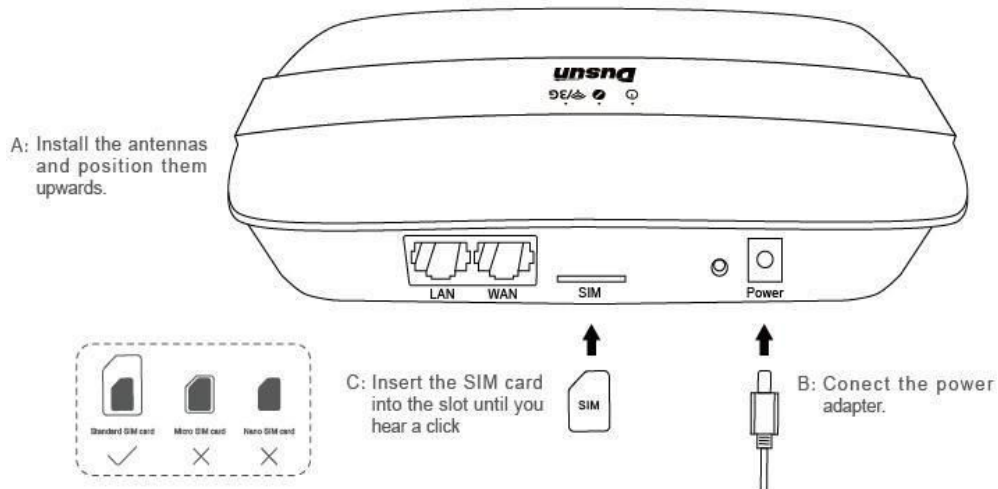
You can place the gateway flat wherever you need it



d. Connect Your Gateway

Follow the steps below to connect your router.

1. Insert the Standard SIM card into the slot until you hear a click.
2. Connect the power adapter to turn on the gateway. The power source shall be near the device and shall be easily accessible.





3. Observe the indicator signal, whether the gateway is working

Power indicator	The green light is always on, the router is powered on, the green light is off, and the gateway power is off.
Network indicator	The yellow light flashes, that is the LAN and the WAN is communicating normally.
Signal indicator	The red light flashes, indicating that the network is communicating normally.

4. Reset hole: Long poke reset hole for more than 8s, the gateway enters the reset mode, after the completion, the factory settings will be restored, and all the pairing information in the gateway will be cleared.

3. Luci

Introduction

a. Purpose& Description

The DSGW-020/DSGW-010 is gateway product used in smart home, intelligent security industry, pension services. It's a central device, support LTE-M1 (EMTC), Wi-Fi, zigbee3.0, Bluetooth and Z-WAVE wireless protocol. User can connect the network through LTE-M1, Wi-Fi and Ethernet. In addition, smart sensors can be connected through zigbee3.0, Bluetooth and z-wave.

b. Product Feature Summary

- **System:**
- OS: Linux@ OpenWrt
- Processor:MTK7620A (MIPS24KEc(580MHZ)) / MTK7688 (MIPS24KEc(580MHZ))
- RAM: 128MB
- Flash: 16MB
- **Wireless protocol:**

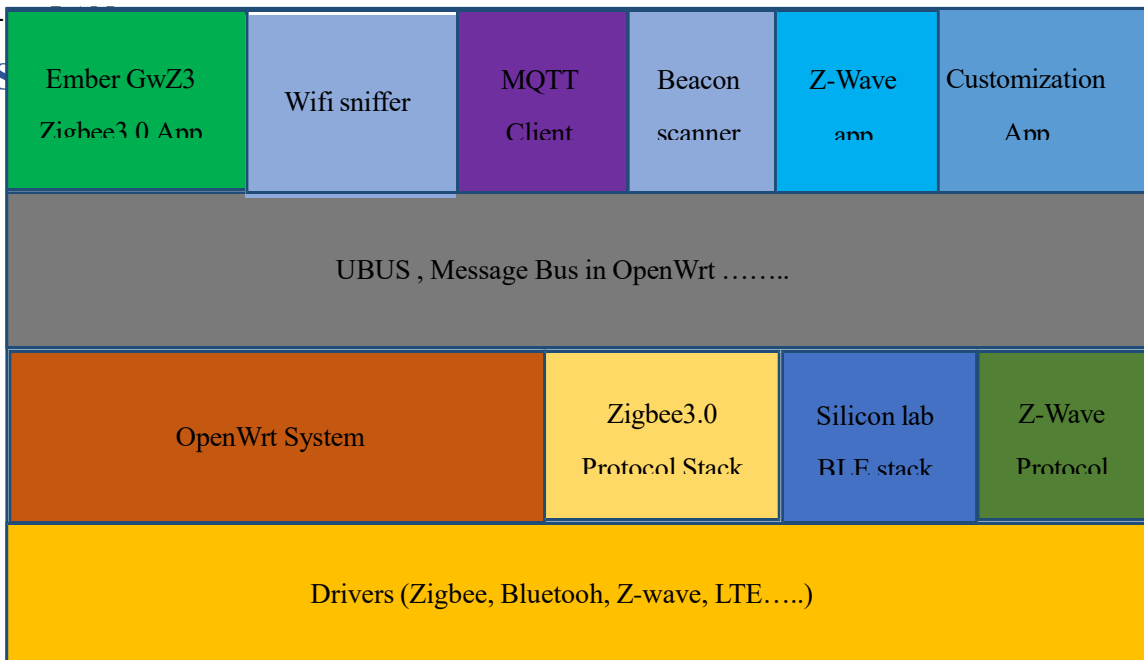
Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



- LTE-M1

- Wi-Fi
- Zigbee3.0
- Bluetooth
- Z-Wave
- **Ethernet**
- WLAN

c. S



d. Development Environment and Tool

Development Environment	Linux
Version	Open wrt Barrier Breaker

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Development tool

Toolchain

4. Reference Documentation

a. Standard Protocol Documentation

Specifications for zigbee3.0

- 07-5123-06-zigbee-cluster-library-specification

Specifications for BT

- bluetooth-api-reference

Specifications for MQTT

- MQTT API offered by Dusun

5. Configuration

a. Basic Configuration

a. Deploy the environment of configuration

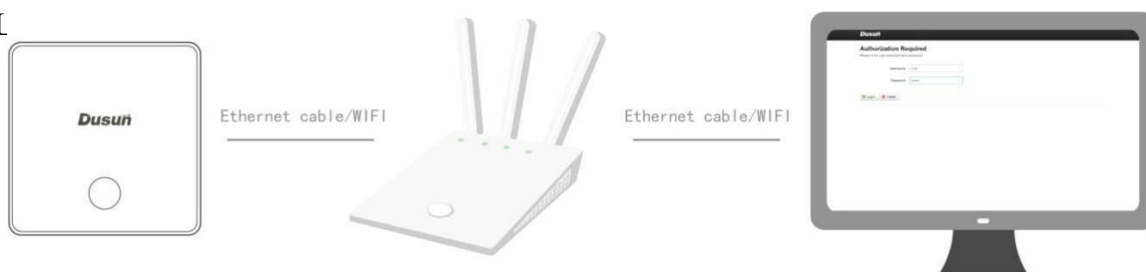
a) For DSGW-030 gateway

1) Connect the gateway with a router using WAN port

2) Connect a PC to the same router

3) Find out the IP address of the gateway in the router

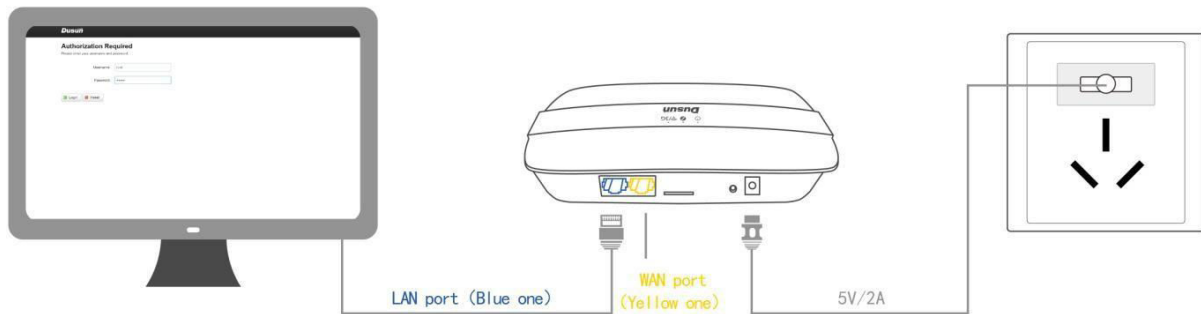
4) I



Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.

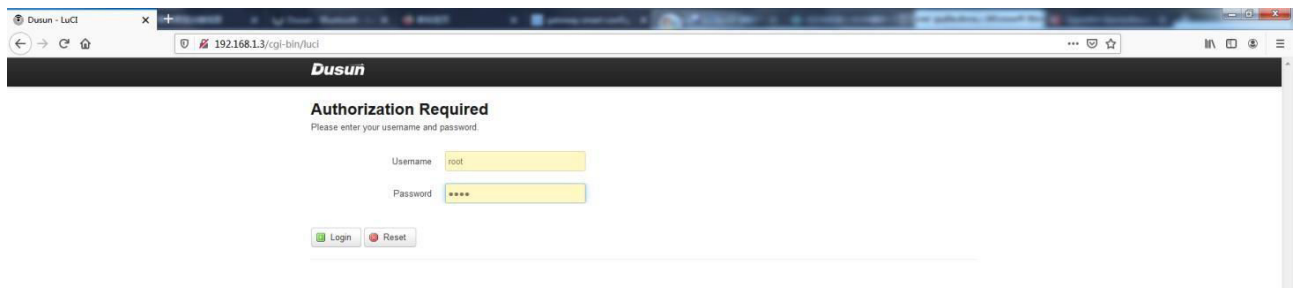
b) For DSGW-040 gateway

Put the PC connect to the LAN port of the gateway. Then connect the gateway with



b. Login Password of Configuration Page

Open the website, if connect the gateway using Lan port, Input Gateway IP Address:



Enter the username and Password

Username: root

Password: root

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Dusun Home Internet Setting ▾ Wifi Setting LAN Setting IOT Services ▾ Application Solution ▾ Advance ▾ Logout AUTO REFRESH ON

Status

System

Hostname	Dusun
Model	DSI0134
Firmware Version	V3.42.188.248_z4GN_893d116
Kernel Version	3.10.14
Local Time	Thu Nov 19 11:25:13 2020
Uptime	0h 3m 50s
Load Average	0.33, 0.36, 0.17

Memory

Total Available	<div style="width: 29%;"><div style="width: 29%;"></div></div> 18408 kB / 61412 kB (29%)
Free	<div style="width: 21%;"><div style="width: 21%;"></div></div> 13128 kB / 61412 kB (21%)
Buffered	<div style="width: 8%;"><div style="width: 8%;"></div></div> 5280 kB / 61412 kB (8%)

Network

IPv4 WAN Status	Not connected
IPv6 WAN Status	Not connected
Active Connections	<div style="width: 0%;"><div style="width: 0%;"></div></div> 0 / 24576 (0%)

Wireless

Generic 802.11 Wireless Controller (mt7620)	SSID: Dusun_11EA 0% Mode: Client
---	-------------------------------------

In this page, you can check the status of system, memory, Network. System Information: The host name, Model, Firmware Version, Kernel Version, Local Time. Memory Information: Total Available, Free, Buffered.

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



WAN Configuration

Switch to Internet Setting menu, set the address type of the wan port

Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services ▾ Application Solution ▾ Advance ▾ Logout

Wan Network Manage

This is configure for gateway Wan Config

Ip address Get Type

Static Ip Address

Static Netmask

Static Gateway

Static Dns

Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services ▾ Application Solution ▾ Advance ▾ Logout

Wifi Manage

This is configure for wifi Ap/Sta.

AP Mode

AP SSID

AP Encryption

AP Password

STA Mode

STA SSID

STA Password

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Wi-fi AP mode: In this mode, the gateway works as a router, user can connect to the SSID using the AP Password. The AP SSID, AP Password and AP encryption mode are configurable Wifi

STA mode: In this mode, the gateway functions as a access point and is able to connect to a router. User can fill in the SSID and Password of the router to let gateway connect to router.

LAN s **Dusun** Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

Switch **Lan Network Manage**
This is configure for gateway Lan Config

Static Ip Address:

Static Netmask:

Save & Apply Save Reset

Configure the LAN IP and Netmask of the gateway

b. IOT Service

Switch to IOT Service menu,

Cloud Config

MQTT config

Configure the parameter in this page to connect to a mqtt broker. Filled in the right value offered by the MQTT broker.



Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

Mqtt Config **TuYa Config** Azure Config AWS Config Udp Config Tcp Config Http Config Utp Config

Cloud Connection Manage

This is configure for gateway cloud connect

Connect Server & Port

Mqtt Server

Mqtt Server Port

Mqtt Login ClientId

Mqtt Login User

Mqtt Login Password

Mqtt HeartBeat

Mqtt Sub Topic

Mqtt Pub Topic

Qos

Retain

SSL Option

TuYa config

If the device is not connected to the internet, please check the network settings.

Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

Mqtt Config **TuYa Config** Azure Config AWS Config Udp Config Tcp Config Http Config Utp Config

TuYa UUID And Key Config

This is configure for Tuya UUID And Key.

TuYa UUID And Key

UUID

Key

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Azure Config

Azure Manage

This is configure for Azure Connect String

Azure Config

AzureConnectionString

Save & Apply Save Reset

AWS Manage

This is configure for aws config

AWS Config

AWS Server

AWS Port

AWS ClientId

AWS Root Ca No file chosen

AWS Cert No file chosen

AWS Private Key No file chosen

AWS Subscribe Topic

AWS Publish Topic

Save & Apply Save Reset

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

Mqtt Config TuYa Config Azure Config AWS Config **Udp Config** Tcp Config Http Config Utp Config

Udp Manage

This is configure for udp config

udp config

Udp Enable

Udp Server

Udp Port

Save & Apply Save Reset

TCP config

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Config the TCP parameters to establish the TCP connection

Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

Mqtt Config TuYa Config Azure Config AWS Config **Udp Config** Tcp Config **Http Config** Utp Config

Http Manage

This is configure for http config

http config

Http Enable

Http Post Url

Http Get Url

Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

Mqtt Config TuYa Config Azure Config AWS Config **Udp Config** **Tcp Config** Http Config Utp Config

Tcp Manage

This is configure for tcp config

tcp config

Tcp Enable

Tcp Server

Tcp Port

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



UTP config

Fill in the UTP parameters to enable UTP connection

Dusun
Home
Internet Setting
Wifi Setting
LAN Setting
IOT Services
Application Solution
Advance
Logout

MAC:

DEV:

RSSI:

ModelStr	Address	RSSI	ScanTime	Major	Minor	UUID	Url_type	URL_HEX	Operation
Bledevice	E7903D87DAC7	-86	1605530320						<input type="button" value="Connect"/>
Bledevice	575F0C79E456	-76	1605530320						<input type="button" value="Connect"/>
Bledevice	68CF8C8A0AC	-72	1605530320						<input type="button" value="Connect"/>
Bledevice	61C4C93EAC0F	-82	1605530320						<input type="button" value="Connect"/>
Eddystone	AC233FA3D4D6	-77	1605530320				1	https://www.minew.com	<input type="button" value="Connect"/>
Bledevice	5F3E4BA41D07	-85	1605530320						<input type="button" value="Connect"/>
iBeacon	AC233F53BCBA	-71	1605530320	2711	4CB9	FDA50693-A4E2-4FB1-AFCF-C6EB07647825			<input type="button" value="Connect"/>
iBeacon	C1AAD49ABACF	-83	1605530320	0054	272E	01122334-4556-6778-899A-AB BCCDDEEFF0			<input type="button" value="Connect"/>
iBeacon	E5607571D105	-79	1605530320	0054	2752	01122334-4556-6778-899A-AB BCCDDEEFF0			<input type="button" value="Connect"/>
Bledevice	A434F19734BA	-85	1605530320						<input type="button" value="Connect"/>
Eddystone	D170807CA752	-54	1605530320				1	https://www.nordicsemi.com	<input type="button" value="Connect"/>
Bledevice	750A6B778257	-81	1605530320						<input type="button" value="Connect"/>

Utp Port

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



ModelStr	Address	RSS	ScanTime	Major	Minor	UUID	Url_type	URL_HEX	Operation
Bledevice	63493F0E5E8F	-74	1605668490						Connect
Bledevice	F83002264461	-39	1605668490						Connect
Bledevice	6369BF599298	-75	1605668490						Connect

The filter options on the top can be used to filter the specific devices you want, from left to right is MAC, DEV type and RSSI

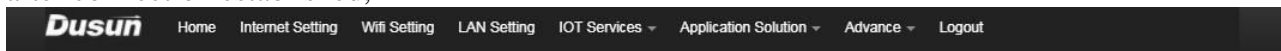
Connecting MAC: F83002264461

Service

UUID	ServiceHandle	Operation
1800	65547	SELECT
1801	786447	SELECT
180A	1048610	SELECT
F000FFC0-0451-4000-B000-000000000000	3276799	SELECT

On the bottom, user can connect to the devices in the list by pressing the connect

A pop-up window would appear after the pressing and it would scan the device's gatt service after connection established,



MAC: DEV: RSSI:

iBeacon
Eddystone
Dusun Sensor
Bledevice
All Devices

based in New York City & Toronto, GAOTEK INC. is ranked as one of the top 10 global B2B technology suppliers. GAOTEK ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Connecting MAC: F83002264461

Service Scan service Disconnect

UUID	ServiceHandle	Operation
1800	65547	SELECT
1801	786447	SELECT
180A	1048610	SELECT
CDEACB80-5235-4C07-8846-93A37EE6B86D	2293808	SELECT
F000FFC0-0451-4000-B000-000000000000	3276799	SELECT

Character

UUID	Character	Properties	Operation	Notify value
CDEACB84-5235-4C07-8846-93A37EE6B86D	37	r:1,w:1,n:0	0 Read Write Notify	<input type="text"/>
CDEACB83-5235-4C07-8846-93A37EE6B86D	40	r:1,w:0,n:0	0 Read Write Notify	<input type="text"/>

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



The data related to every characteristics can be found out by read or notify, if user want to notify the value, type in 1 in the command window. If user want to

write configuration to the ble device, type in the hex value in the command line

Connecting MAC: F83002264461

Service			Operation
UUID	ServiceHandle		
1800	65547		SELECT
1801	786447		SELECT
180A	1048610		SELECT
CDEACB80-5235-4C07-8846-93A37EE6B86D	2293808		SELECT
F000FFC0-0451-4000-B000-000000000000	3276799		SELECT

Character					Notify value
UUID	Character	Properties	Operation		
F000FFC1-0451-4000-B000-000000000000	51	r:0,w:1,n:1		Read Write Notify	
F000FFC2-0451-4000-B000-000000000000	55	r:0,w:1,n:1		Read Write Notify	

Press disconnect to finish the operation,

Connecting MAC: F83002264461

Character			Operation	Notify value
UUID	Character	Properties		
CDEACB84-5235-4C07-8846-93A37EE6B86D	37	r:1,w:1,n:0		
CDEACB83-5235-4C07-8846-93A37EE6B86D	40	r:1,w:0,n:0		
CDEACB82-5235-4C07-8846-93A37EE6B86D	43	r:0,w:1,n:0		80323232323232323232

Base
GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Zigee management

This page is used for zigbee management

Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

Zigbee3.0 Operation Page

This Page Can Add Zigbee3.0 Device.

Zigbee Permit

Permit: Permit

Add Device

Zigbee Device List

MAC Address	Signal Quantity	Dusun Type	Dusun Sub Type	SoftVersion	Dusun Model	ModelString	Battery	Online	value	Remove
This section contains no values yet										

Then, the c

- a) User can press the Permit button to let the nearby zigbee devices to join the network.

After pressing the button, there would be 120 seconds for nearby zigbee devices to join.

Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

Zigbee3.0 Operation Page

This Page Can Add Zigbee3.0 Device.

Zigbee Permit

Permit: Permit

Add Device

Zigbee Device List

MAC Address	Signal Quantity	Dusun Type	Dusun Sub Type	SoftVersion	Dusun Model	ModelString	Battery	Online	value	Remove
588e81ffed11d07	194	1213		1.70	Dusun	TS0505A	100	0	11	Remove
588e81ffeddec5e	175	0000		1.0	Dusun	unknow	100	0	--	Remove

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



b) User can press the Add Device button and fill in the corresponding MAC address to let a specific zigbee device to join the network.

Dusuñ Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

Dusuñ Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

4G/3G Arguments Config

Apn Set

User Set

Pass Set

This section contains no values yet

LTE

Switch to LTE section, fill in the APN, user name and password to enable LTE function, these info can be obtained from the carrier,

c. Application solution

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Switch to Application solution menu, this page includes the real use case for gateway implementation,

Scanner

Dusun Home Internet Setting Wifi Setting LAN Setting IOT Services Application Solution Advance Logout

WiFi Device BLE Device

WiFi Sniffer Page

This Page Display The WiFi Sniffer!

WiFi Sniffer Device List

Index	Mac	Vendor	timestamp	RSSI
1	DA:A1:19:39:6B:FA	Unknown	1605617736	-52
2	30:AE:7B:64:0B:EB	DeqingDusunElectron	1605617716	-61
3	DA:A1:19:CA:4A:3A	Unknown	1605617708	-53
4	E6:7D:53:AE:34:1D	Unknown	1605617718	-46
5	48:45:20:8F:A4:5D	IntelCorporate	1605617688	-41
6	A2:A6:14:09:68:73	Unknown	1605617639	-51
7	30:AE:7B:64:0B:72	DeqingDusunElectron	1605617640	-75
8	B4:C9:B9:14:10:4B	SichuanAI-LinkTechnology	1605617644	-57
9	C0:A5:DD:BA:6E:20	SHENZHENMERCURYCOMMUNICATION	1605617650	-49
12	7C:D6:61:F3:A2:AA	XiaomiCommunicationsCo	1605617645	-36
23	30:AE:7B:64:00:DA	DeqingDusunElectron	1605617591	-54

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



WiFi Device BLE Device

Bluetooth Page

This Page Display The Bluetooth Device Beacon Near!

Bluetooth Beacon Device List

ModelStr	Address	Rssi	AddrType	ScanTime	RawData	Major	Minor	UUID	URL	spo2
Bledevice	F44EFDB1E090	-50	0	1605693076	--					
iBeacon	C1AAD49ABACF	-75	1	1605693076	--	0054	272E	01122334-4556-6778-899A-ABBCCDDEEFF0		
iBeacon	AC233F53BCBA	-77	0	1605693076	--	2711	4CB9	FDA50693-A4E2-4FB1-AFCF-C6EB07647825		
Bledevice	342D198EF406	-81	1	1605693076	--					
Bledevice	61EB509A4234	-69	1	1605693076	--					
Bledevice	7E0A0227739D	-69	1	1605693076	--					
iBeacon	00644C28E1AF	-76	0	1605693076	--	27D6	E296	FDA50693-A4E2-4FB1-AFCF-C6EB07647825		
Bledevice	4E1EEC8A65F6	-65	1	1605693076	--					
Bledevice	7860428A59A1	-76	1	1605693076	--					
Bledevice	EAAE31B604AA	-69	1	1605693076	--					
Bledevice	DC234D15079A	-81	0	1605693076	--					
Bledevice	A434F19734BA	-82	0	1605693076	--					
iBeacon	E5607571D105	-85	1	1605693076	--	0054	2752	01122334-4556-6778-899A-ABBCCDDEEFF0		
Bledevice	1161F1B32449	-53	1	1605693076	--					
Bledevice	45ECCBD678F8	-79	1	1605693076	--					
Bledevice	7D4D45208A81	-61	1	1605693076	--					
Bledevice	480F6C16DD0C	-86	1	1605693076	--					

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



MAC: [input] DEV: Please Select Type Of Device RSSI: [input]

Major: [input] Minor: [input] Status: connect disconnect

[Search] [Clear]

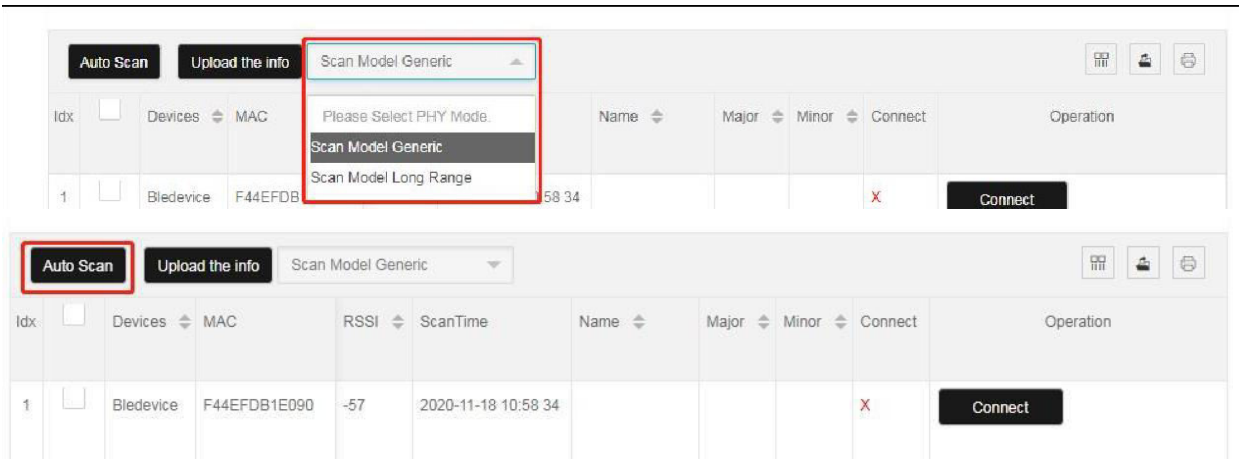
Auto Scan Upload the info Scan Model Generic [grid] [print] [refresh]

Idx	Devices	MAC	RSSI	ScanTime	Name	Major	Minor	Connect	Operation
1	Bledevice	F44EFDB1E090	-57	2020-11-18 10:58:34				X	Connect
2	iBeacon	C1AAD49ABACF	-76	2020-11-18 10:58:34		0054	272E	X	Connect
3	iBeacon	AC233F53BCBA	-65	2020-11-18 10:58:34	MBeacon	2711	4CB9	X	Connect
4	Bledevice	35D30F4FAFDD	-83	2020-11-18 10:58:34				X	Connect
5	Bledevice	60D2739BCBD3	-86	2020-11-18 10:58:34				X	Connect
6	Bledevice	765579412CDA	-66	2020-11-18 10:58:34				X	Connect
7	iBeacon	00644C28E1AF	-84	2020-11-18 10:58:34	UBeacon	27D6	E296	X	Connect
8	Bledevice	4F6B6FC376EA	-89	2020-11-18 10:58:34				X	Connect

E
S
n
n

1 be
and

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



The scanning mode can be selected between **Generic** and **Long range**,

The Beacon messages could be uploaded to the MQTT Broker automatically, the detailed information can be configured by pressing the **Upload the info** button.

There are various options to configured the beacon messages uploaded to the **MQTT broker** user configured,

- 1) Raw Data/ Format Data: format data is the parsed data from the advertising packages, raw data is the unprocessed advertising package
- 2) MAC address: Filter the beacon messages by a consecutive number in the MAC address string



3) RSSI value: Filter the beacon messages with signal strength more than a specific value

4) Interval: Upload interval of the beacon messages, 3 seconds on minimum, set to 0 to switch off the upload process

Add Sence

Add Sence SenceName

Security Sence

Security Sence

Sence	Name	ARM/DISARM	Delete
This section contains no values yet			

Sence Devices

Idx	Name	Wireless	Mac address	Triggering conditions	Actions	Enable/Disable	Sence	Delete
2	RoomBankLeakSensor	Zigbee	842e14ffe1e9c39	Leak	None	Enable	0	Delete

Availabe Devices

Name	Wireless	Mac address	Triggering conditions	Actions	Enable/Disable	Sence	Create Sence Device
SmartOutlet	Zigbee	ec1bbdfffe8b1450	Motion	None	Disable	0	Create Sence Device
SmartPlug	Zigbee	000d6f000be63f63	Motion	OpenAlarm	Enable	1	Create Sence Device
RoomBankLeakSensor	Zigbee	842e14ffe1e9c39	Leak	None	Enable	1	Create Sence Device
roombanker-elcmag0019	Zigbee	00158d0005127da4	None	None	Disable	0	Create Sence Device

Confirm

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Add Sence

Availabe Devices

Name	Wireless	Mac address	Triggering conditions	Actions	Enable/Disable	Sence	Create Sence Device
SmartOutlet	Zigbee	ec1bbdffe8b1450	Motion	None	Disable	0	Create Sence Device
SmartPlug	Zigbee	000d6f000be63f63	Motion	OpenAlarm	Enable	0	Create Sence Device
RoomBankLeakSensor	Zigbee	842e14ffe1e9c39	Leak	None	Enable	0	Create Sence Device
roombanker-elcmag0019	Zigbee	00158d0005127da4	None	None	Disable	0	Create Sence Device

2) Add devices to the scene using the real devices,



3) Configure the scenario as desired, when leakage sensor triggered, the outlet would be



d. Advance

Switch to Advance section

Logo setting

Switch to Logo setting menu,

Dusun supported customer setting of the logo. User can upload the desired Logo picture

System

Switch to System menu, in general setting section, user can configure the HOST name and

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



time zone of the gateway. The source for time synchronization can be chosen at right NTP server.

System

Here you can configure the basic aspects of your device like its hostname or the timezone.

System Properties

General Settings Logging Language and Style

System log buffer size: 16
External system log server: 0.0.0.0
External system log server port: 514
Log output level: Debug
Cron Log Level: Normal

Time Synchronization

Enable NTP client:
Provide NTP server:
NTP server candidates: ntp.ntsc.ac.cn, ntp.aliyun.com, ntp1.aliyun.com, cn.ntp.org.cn

In log,

Save & Apply Save Reset

Timezone: UTC

Time Synchronization

Enable NTP client:
Provide NTP server:
NTP server candidates: ntp.ntsc.ac.cn, ntp.aliyun.com, ntp1.aliyun.com, cn.ntp.org.cn

Save & Apply Save Reset

Based in new York City & Toronto, GAO tek inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Diagnostics

Network Utilities

<input type="text" value="openwrt.org"/> IPv4 <input type="button" value="Ping"/>	<input type="text" value="openwrt.org"/> <input type="button" value="Traceroute"/>	<input type="text" value="openwrt.org"/> <input type="button" value="Nslookup"/>
--	---	---

Administration

Diagnostics

Flash operations

Actions Configuration

Backup / Restore

Click "Generate archive" to download a tar archive of the current configuration files. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images).

Download backup:

Reset to defaults:

To restore configuration files, you can upload a previously generated backup archive here.

Restore backup: No file chosen

Flash new firmware image

Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires an OpenWrt compatible firmware image).

Keep settings:

Image: No file chosen

Backup/ Flash firmware

Switch to Backup/ Flash firmware section,

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



Flash new firmware image

Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires an OpenWrt compatible firmware image).

Keep settings:

Image: No file chosen

System

Reboot

Reboots the operating system of your device

version, If keeping setting is clicked the previous setting for wifi and MQTT would be stored, otherwise, they would not be stored.

Reboot

User can reboot gateway in Luci page

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



e. Logout

Press Logout to log out the login status