Tutorials of Zigbee-Gateway-LAN-PRO

Features:

1. CC2652P (RF-STAR RF-BM-2652P2) multi-protocol wireless module for TI, maximum transmit power +20dBm;

- 2. Access up to 200+ ZigBee devices;
- 3. Support firmware upgrade via USB/LAN;
- 4. SMA antenna port for external antennas;
- 5. Two operating modes: LAN Coordinator (default) and USB Coordinator/Router;
- 6. Support Z-Stack coordinator/router firmware;
- 7. Plug and play; default programming coordinator firmware;
- 8. Support Z2M (https://www.zigbee2mqtt.io/) and ZHA

(https://www.home-assistant.io/integrations/zha/).

Purchase:

Zigbee LAN Gateway PRO: <u>https://www.aliexpress.us/item/3256804557892073.html</u> Zigbee POE Gateway PRO: <u>https://www.aliexpress.us/item/3256804675805140.html</u>

How to Use?

1. Plug in a USB-C power cable (5V) and plug in a network cable;

2. POE version supports IEEE802.3af standard and supports wide input voltage range 37Vdc ~ 57Vdc. Note: The POE version does not require USB power;

3. Download the ZigStar GW Multi tool

<u>https://github.com/xyzroe/ZigStarGW-MT/releases</u>, please select the corresponding version according to your operating system;

Run the ZigStar GW Multi tool, click the refresh button, and select the address with port number 6638 in the drop-down list, at which time you can get the IP address of the gateway.



5. Enter the IP address of the gateway in the browser to enter the background page of the gateway

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		General					
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		Ethernet					
		Connected : 😋					
		Wifi					
		Enabled : © Emergency mode MAC : 40:114E/EF:11B1 Mode : STA SSID : COROGOO Connected : © RSSI : -49 dBm Mode : DHCP JP : 12:168:10.162					
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2. Select Manual in the drop-down menu

ZHA

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Select serial port for Zigbee radio Serial Device Path Enter Manually

SUBMIT

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3. Radio type: Select ZNP

Radio Type

Pick a type of your Zigbee radio

EZSP = Silicon Labs EmberZNet protocol: Elelabs, HUSBZB-1, Telegesis

ZNP = Texas Instruments Z-Stack ZNP protocol: CC253x, CC26x2, CC13x2

4. Enter socket://ip_address:6638, data flow control: software, and click "Submit". Replace "ip_address" with the IP address of the gateway.



* Used in Z2M

1. Go to the official website of Zigbee2MQTT https://www.zigbee2mqtt.io/guide/installation/ and choose an installation method

Installation	
Zigbee2MQTT was written in Node.js and runs almost on every platform with	affordable memory footprint.
• Linux	
• Docker	
Home Assistant addon	
• openHABian	
• Windows	
FreeBSD jail	
Python virtual-environment	
If you've trouble take a look at Zigbee2MQTT fails to start.	
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← Supported Hardware	Configuration →

Edit the configuration.yaml file for Zigbee2MQTT. For detailed configuration, please go to the official Z2M documentation (https://www.zigbee2mqtt.io/guide/configuration/adapter-settings.html)

```
serial:
port: tcp://ip_address:6638
```

Replace "ip_address" with the IP address of the gateway

Hardware Upgrade:

1. Download the ZigStar GW Multi tool

(https://github.com/xyzroe/ZigStarGW-MT/releases), please select the corresponding version according to your operating system;

2. Stop running zha or z2m;

3. Download the firmware CC1352P2_CC2652P_launchpad_*.zip and unzip it to get .HEX file

Coordinator:

https://github.com/Koenkk/Z-Stack-firmware/tree/master/coordinator/Z-Stack_3.x.0/b in

Router:

https://github.com/Koenkk/Z-Stack-firmware/tree/master/router/Z-Stack_3.x.0/bin

4. Run the ZigStar GW Multi tool, click the refresh button, select the IP address with port number 6638, and select the .hex file from the PC. Check Erase, Write, Verify, Auto BSL, and click start to start burning the firmware.



Advanced:

This product combines the excellent design of WT32-ETH01, LILYGO TTGO

T-Internet-POE, zigstar (https://zig-star.com/) to draw the circuit, theoretically it supports the Tasmota firmware (need to be self-compiled) of the above hardware, and supports ZigStar ESP Firmware (https://github.com/xyzroe/ZigStarGW-FW/releases), thank you!

If you encounter problems, you can contact me at Telegram @ corogoo,



Or send Email : corogoo@gmail.com