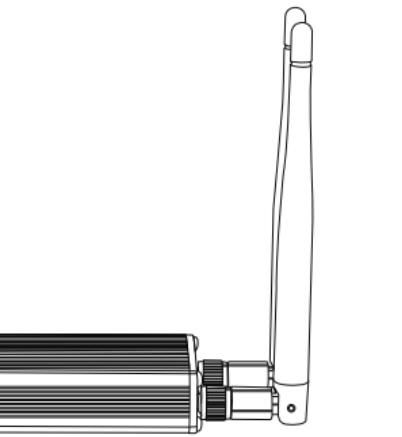


ZIGBEE DONGLE GW80

USB / ETHERNET / WiFi



Function Introduction

GW80 is a Zigbee gateway developed based on ESP32D0+CC2652P, aimed at helping Zigbee sub devices access open source platforms such as Home Assistant and Zigbee 2MOTT. It also supports multiple connection methods and can flexibly adapt to different usage scenarios. Through mDNS domain names, users can access the device's web console to perform firmware updates, switch between different working modes, and other operations. In addition, it also integrates powerful features such as Webhooks, MQTT, and VPN.

Specification parameters

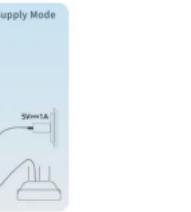
Model Number	GW80-MQTT
Input:	5V ~1A for TypeC
Wireless connection:	Zigbee 3.0, WiFi IEEE 802.11b/g/n 2.4GHz
Working temperature:	-10 °C~60 °C
Shell material:	Aluminum alloy
Antenna gain:	3dBi
WiFi SoC:	ESP32 V3
Zigbee SoC:	CC2652P/CC2652P7
Ethernet:	100Mbps IEEE 802.3u

Working mode

1.Ethernet+Type-C Power Supply Mode

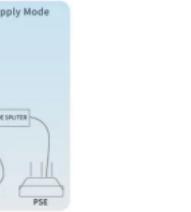
Ethernet connection can be used, and the device can be powered through the Type-C port

*The device is equipped with OVP/OCP overvoltage protection chip, and the fast charging adapter will not cause damage to the device



2.Ethernet+POE power Supply Mode

ETH-52P itself does not support POE function. If you need POE power supply, you can purchase POE separator accessories and use POE to power it.



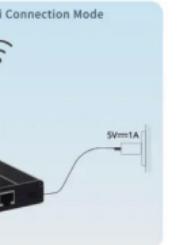
3.USB Connection Mode

ETH-52P has a USB direct connection to HA function and can be used as a USB dongle



4.WiFi Connection Mode

Implementing wireless functionality through WiFi



Device Config

After connecting the device to the network, open a browser within the same LAN, enter Dongle.local to access the WEB console, and follow the instructions to configure it to ZHA or Z2M

WiFi Connection Approach : After the device is powered on, WiFiAP is enabled by default, which can search for hotspots of dongle xxxx. After successful connection, enter dongle.local through the browser to enter the web end for working mode and function configuration

*If there is a WiFi or network connection, the AP will not turn on; AP will only remain on when there is no internet connection; (if the WiFi or network is turned on, it will reconnect for 60 seconds. If it still cannot connect, start the AP)

Button Function

Click : Turn on/off the LED
Long press for more than 3 seconds : Switch between USB Mode& Network Mode
Long press for more than 10 seconds : Restore Factory Settings

LED Status

Power On (by default): Cyan LED remains lit
USB Mode: Blue LED remains lit
Zigbee OTA : Blue flashing
Connecting to HA in Network Mode: Green LED remains lit
No Connection to HA : Green flashing
Error : Red flashing

Supported Features

- Three modes: Zigbee to Ethernet, Zigbee to WiFi, and Zigbee to USB.
- Thread Function
- Pre-flashed coordinator firmware - works instantly with Zigbee2MQTT & ZHA
- Web-based OTA updates - upgrade Zigbee & core firmware with one click
- Built with top-tier ESP32 chip: 2 cores @ 240MHz, 16MB memory
- Support secure VPN tunnels to Home Assistant with protected authorization
- 15 languages localized interfaces
- LED Control and Night Mode