



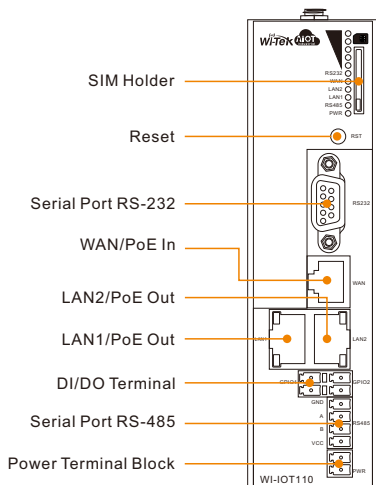
Installation Guide

Industrial M2M LTE Gateway

WI-IOT110

2. Hardware Introduction

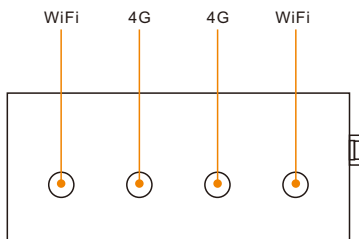
2.1 Front Panel



LED Indicators	Status	Description
LED Indicators	On	Power on
	Off	Power off
RS232	Blink	Data reception
	Off	No Data reception
RS485	On	Link established
	Off	No link
LAN1&LAN2& WAN	On	Link established
	Off	No link
4G	Five lights are on	N/A
	Four lights are on	RSSI > -85dBm; SINR > 25
	Three lights are on	RSSI = -85~-95dBm; SINR: 15-25
	Two lights are on	RSSI = -95~-105dBm; SINR: 11-14
	one light are on	RSSI = -105~-115dBm; SINR: ≤10

Attention: DI(0~3V), if the voltage is too high, it may burn out the gateway.

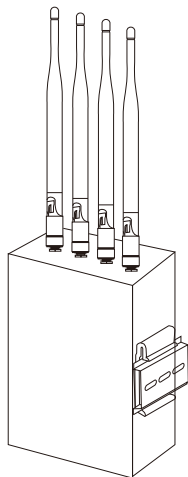
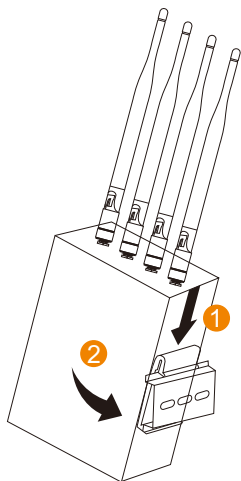
2.2 Top Panel



3. Mounting

Mounting the switch on a DIN rail

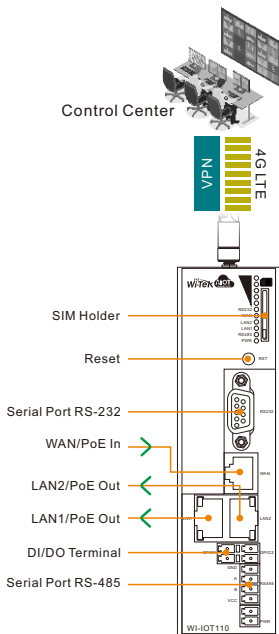
As shown in Figure position the switch so that the spring of the DIN rail mounting bracket compresses against the upper edge of the DIN rail.



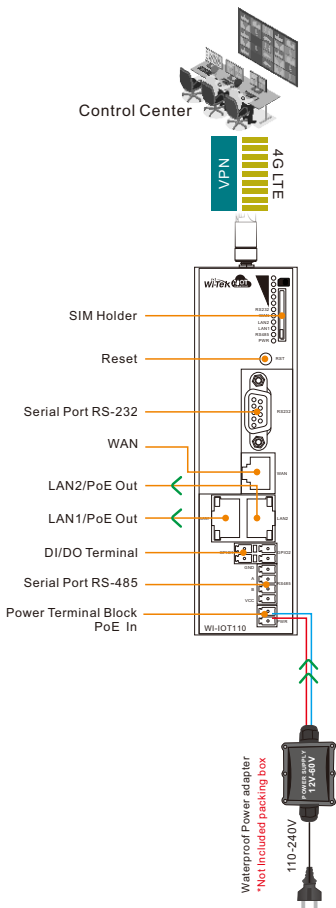
4. Network Application

Flexible Power Option

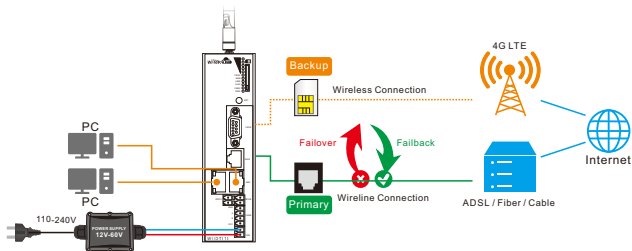
A. Power by WAN PoE In



B. Power by 12-60V DC in



5. Login Method



Please connect devices according to the above topology.

Follow the steps for quick Gateway configuration, using initial setup wizard:

Step 1 Connect your PC to device via Ethernet or wireless.

Note:

Default WiFi name: IIoT-xxxxxx, Password: 88888888

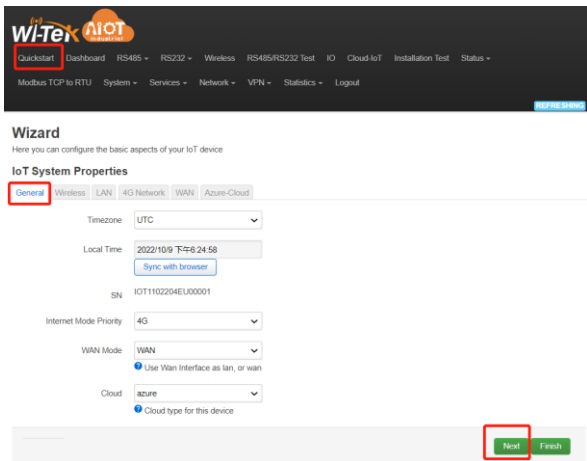
Step 2 Launch your web browser then enter <http://192.168.10.1> in the address bar and specify the default login key: root/12345678.

192.168.10.1

Wi-Tek IoT Industrial

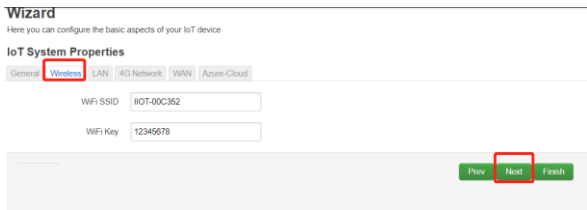
6. Quickstart Configuration Steps

6.1 Click Quickstart, General, select Timezone or click Sync with browser, select Internet Mode Priority, WAN Mode and Cloud, and then click Next to enter.



The screenshot shows the Wi-Tek IoT configuration wizard. The top navigation bar includes 'Quickstart' (highlighted with a red box), 'Dashboard', 'RS485', 'RS232', 'Wireless', 'RS485/RS232 Test', 'IO', 'Cloud IoT', 'Installation Test', and 'Status'. Below the navigation bar, the 'Wizard' section is titled 'Here you can configure the basic aspects of your IoT device'. Under 'IoT System Properties', the 'General' tab (highlighted with a red box) is active. The configuration fields are: Timezone (UTC), Local Time (2022/10/9 下午8:24:58) with a 'Sync with browser' button, SN (IOT1102204EU00001), Internet Mode Priority (4G), WAN Mode (WAN) with a radio button for 'Use Wan Interface as lan, or wan', and Cloud (azure) with a radio button for 'Cloud type for this device'. At the bottom right, the 'Next' button is highlighted with a red box, next to a 'Finish' button.

6.2 Configure WiFi SSID and WiFi Key, and then click Next to enter.



The screenshot shows the Wi-Tek IoT configuration wizard, now on the 'Wireless' tab (highlighted with a red box). The 'Wizard' section is titled 'Here you can configure the basic aspects of your IoT device'. Under 'IoT System Properties', the 'Wireless' tab is active. The configuration fields are: WiFi SSID (IOT-00C352) and WiFi Key (12345678). At the bottom right, the 'Next' button is highlighted with a red box, next to 'Prev' and 'Finish' buttons.

6.3 Configure IP Address, Net Mask and DNS, and then click Next to enter.

Wizard
Here you can configure the basic aspects of your IoT device

IoT System Properties

General Wireless **LAN** 4G Network WAN Azure-Cloud

IP Address

Net Mask

DNS

Prev **Next** Finish

6.4 If you need to configure 4G information, you can configure them. If you do not need to directly click Next.

Wizard
Here you can configure the basic aspects of your IoT device

IoT System Properties

General Wireless LAN **4G Network** WAN Azure-Cloud

APN

User Name

Password

Auth-type

PIN

Prev **Next** Finish

6.5 Configure WAN Mode, you can configure them. If you do not need to directly click Next.

Wizard
Here you can configure the basic aspects of your IoT device

IoT System Properties

General Wireless LAN 4G Network **WAN** Azure-Cloud

Mode

Prev Next Finish

6.6 If you need to configure Azure-Cloud or Amazon-Cloud, you can configure them. If you do not need to directly click Finish.

Wizard
Here you can configure the basic aspects of your IoT device

IoT System Properties

General | Wireless | LAN | 4G Network | WAN | **Azure-Cloud**

Azure IoT Enable
● Enable Azure IoT

Azure ID Scope
● Azure Scope ID String

Device ID
● Device ID

Device Key
● Device SAS Key

Azure Dtmr
● Azure template ID

Prev **Finish**

6.7 Waiting device reboot.

Wi-Tek AIOT Solutions

Quickstart | Dashboard | **wait for device**
configure save..., waiting device reboot.

Modbus TCP to RTU

Wizard
Here you can configure the basic aspects of your IoT device

IoT System Properties

General | Wireless | LAN | 4G Network | WAN | **Amazon-IoT**

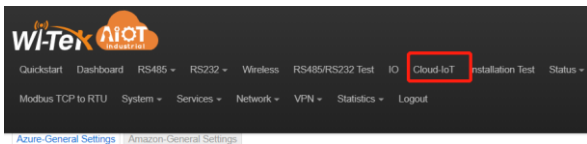
User Name

7. Cloud Management Settings

7.1 Click Cloud-IoT and Enable Azure.

7.2 Fill in the Scope ID, Device ID, Device Key and DTMI

7.3 Select the content you want to upload, and then Click Save & Apply.



Enable Azure

Scope ID

Device ID

Device Key

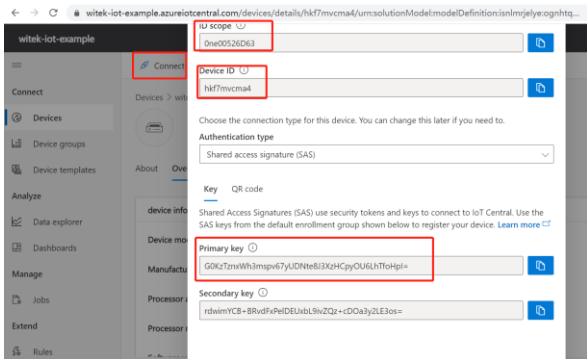
DTMI

Here are the steps to get the above information from Microsoft Azure.

Step 1 Launch your web browser then enter <https://login.microsoftonline.com/> in the address bar.

Step 2 Log in to the cloud account with the account password after registration.

Step 3 Click Connect and to get Scope ID, Device ID, key.



Step 4 Click Device templates, Edit DTDL to get dtmi.

The screenshot shows the Azure IoT Central console for a device template named 'witek-iot-4gite'. The breadcrumb navigation path is 'Device templates > witek-iot-4gite > Model > Wireless', which is highlighted with a red box. The page title is 'Wireless' and it is marked as 'Published'. Below the title, there are buttons for 'Save', 'Add capability', 'Edit identity', 'Export', and 'Delete'. The 'Edit DTDL' button is highlighted with a red box. A table below shows the capabilities for the device model:

Display name	Name *	Capability type *	Semantic type	
wifi-ssid	wifiSsid	Command		X
wifi-password	wifiPassword	Command		X

The screenshot shows the DTDL editor for the 'Wireless' device template. The breadcrumb navigation path is 'witek-iot-example', which is highlighted with a red box. The DTDL code is displayed in a text area, with the value 'dtmi:com:example:TemperatureController;' highlighted by a red box. The code is as follows:

```
1 {
2   "id": "dtmi:com:example:TemperatureController;",
3   "type": "Interface",
4   "contents": [
5     {
6       "type": "Component",
7       "description": {
8         "en": "Optional interface with basic device hardware information."
9       },
10      "displayName": {
11        "en": "Device Information Interface"
12      }
13    }
14  ]
15 }
```

Warranty Card

Username	
Address	
Telephone No.	
Purchase Shop	
Purchase Address	
Product Model No.	
Purchase Time	
Serial No.	
Dealer Signature	

- If the product defects within three months after purchase, we will provide you a new product of the same model.
- If the product defects within the three-year warranty period, we will provide the professional maintenance service.
- Proof of purchase and a complete product serial number are required to receive any services guaranteed as part of the limited warranty.
- Any other defects that are not caused by workmanship or product quality, such as natural disaster, water damage, extreme thermal or environmental conditions. sticker damaged, warranty card losing will disqualify the product from limited warranty.



WIRELESS-TEK TECHNOLOGY LIMITED

Address: Biaofang Technology Building 402, Bao'an street,

Baoan District, Shenzhen City, Guangdong, China

Website: www.witek-iiot.com

Tel: 86-0755-32811290

Email: sales@witek-iiot.com

Design Industrial IoT for Smarter and More Connected



Technical Support



Company Website