

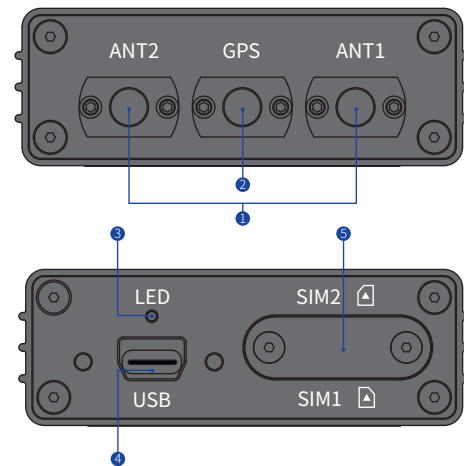
Welcome to the TD0102

TD0102 dongle provides LTE service in a ruggedized form factor. With an operating temperature range of -40°C ~ 70°C, IP67 dust and water proof endurance, they offer industrial-grade environmental qualifications while providing higher speed data services for video and other bandwidth-intensive applications. TD0102 dongle has very strong anti-vibration ability and qualified for extreme industrial environments and ideally suited for robot, drone, logistic, automated manufacturing, and other outdoor applications.

With the diverse self-developed LTE embedded modules integrated, TD0102 dongle can supports multi-band for Private LTE, even support uncommon frequencies. TD0102 dongle can provides accurate real-time location information. The built-in GNSS receiver supports GPS, GLONASS, Beidou and Galileo constellations.

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Device Architecture



- 1 LTE antenna interface
- 2 GPS antenna interface(Optional)
- 3 LED
- 4 USB interface
- 5 SIM slot

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Working Environment

Operating Temperature	-40°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Humidity	5% ~ 95%
Power Supply	9 ~ 14VDC
Power Consumption	< 6W
Water and Dustproof	IP67

Packing List

Items	Accessories	Qty
1	USB Type C to RJ45&DC cable	1
2	Mounting kit U-clip bolt	1
3	U-card bolt	2
4	Cable mounting screw	2
5	Protective cap (SMA)	3
6	Power adapter	1
7	LTE antenna	2

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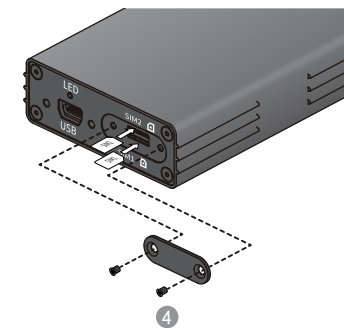
Hardware Configuration

Install SIM Cards

Step1 Use a cross screwdriver to remove the SIM card cover.

Step2 Slide the SIM cards into the SIM slots until they click into place. By default, the SIM card in slot 1 (the under slot) is the Primary SIM card. When the SDC dongle is powered on or rebooted, it automatically connects to the network associated with the Primary SIM card.

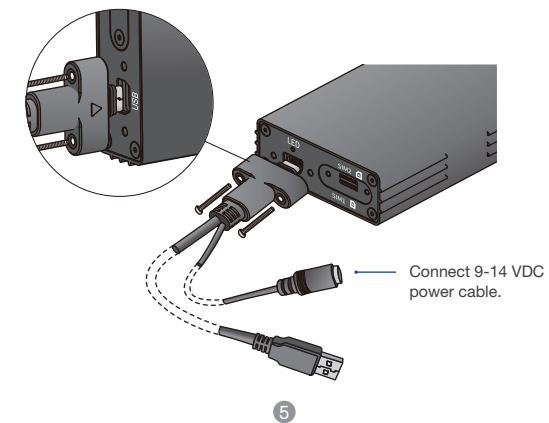
Step3 Re-attach the cover.



Connect and Turn on the Dongle

1. First, make sure the arrow of the cable head and the USB logo are on the same side, then insert the cable head into the socket and ensure it is assembled in place;
2. Tighten the two fixing screws on the cable head with a screwdriver.

⚠ When the screws cannot be screwed in, it may not be assembled in place. Please loosen the screws, reinsert the head in place, and then tighten the screws with a screwdriver.



Connect to the Network

When the dongle is powered on with the SIM card, it begins the activation/provisioning process and attempts to connect to the mobile network. This process typically takes several minutes, and the green LED blinks continuously. A successful connection is indicated with a green LED steady on.

Indicator		
Color	Status	Description
Red	Steady on	No SIM or SIM error
Green	Blinking	Network searching
	Steady on	Registered to network
Blue	Blinking	Firmware upgrading

Software Configuration

Login to the Web Management Page

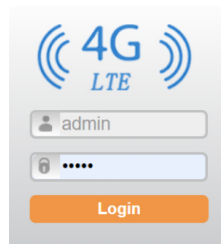
Step1 Launch the web browser, enter `http://192.168.0.1` in the address bar, and press Enter.

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Step2 Enter the username and password, and click **Login**.

Step3 After the password is verified, you can login to the web management page.



The default username and password are both **admin**. If you want to view or configure the dongle, you should use the super account to login to the web management page. The default super username is **superadmin**, and the password is **admin**.

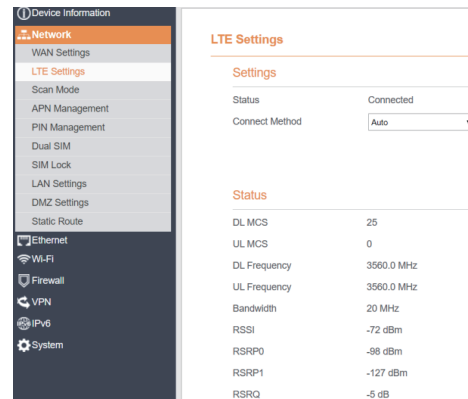
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LTE Settings

Step1 Choose **Network > LTE Settings**.

Step2 On **LTE Settings** page, you can set the configuration of LTE network.

Step3 In the **Status** list, you can view the LTE status, such as Frequency, RSSI, RSRP, RSRQ, CINR, SINR, Cell ID and etc.



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FAQs

The POWER indicator does not turn on.

- Make sure that the power cable is connected properly and the dongle is powered on.
- Make sure that the power supply is compatible with the dongle.

Fails to Login the web management page.

- Make sure that the dongle is powered on.
- Verify that the dongle is correctly connected to the computer through a network cable.
- If the problem persists, please contact the authorized local service suppliers.

The dongle fails to search for the wireless network.

- Check if the power supply is connected properly.
- Check if the dongle is placed in an open area that is far away from obstructions, such as concrete or wooden walls.
- If the problem persists, please contact the authorized local service suppliers.

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The parameters are restored to default values.

- If the dongle is powered off unexpectedly while being configured, the parameters may be restored to the default settings.
- After configure the parameters, download the configuration file and restore the desired settings quickly.

The dongle does not support SIM card hot-plug, please confirm that the device is powered off when the SIM card is inserted or removed.