



## ComIoT 25

### 4G Wireless Data Transmission Routing Module

- Plug and Play Automatic Dial-up Internet Access
- Support Wi-Fi
- Support 6-25V Wide Voltage Power Input
- Support OpenWRT
- Standard Security 38mm \* 38mm Positioning Hole for Easy Assembly

## Product Description

The ComIoT 25 wireless monitoring routing core board is based on the 4G cellular communication and Wi-Fi technology platform, supports wireless communication components of FDD-LTE , TDD-LTE, and WLAN multiple network standards, and is specially designed for plug-and-play wireless monitoring applications. At the same time, ComIoT 25 can also be widely used in various IoT front-end data collection and collection, as well as medium- and high-speed data transmission units (DTU). The standardized interface can directly connect to the control motherboard for rapid joint debugging to achieve application solutions. ComIoT 25 mainly provides power interface, USB interface, SIM card holder interface , soft reset button , UART interface , RF interface , and 10M / 100M network interface.

## Device Interface Identification Description

| Project            | Specification Description                                          | Remark |
|--------------------|--------------------------------------------------------------------|--------|
| Power Interface    | Input: DC5~12V                                                     |        |
| USIM Interface     | 1.8V / 3.0V Nano (U) SIM card                                      |        |
| Ethernet Interface | RJ45, 10 / 100 M adaptive, 2 LAN / 1 WAN configurable              |        |
| UART Interface     | TTL×2                                                              |        |
| Reset Button       | Press and hold for more than 3 seconds to restore factory settings |        |
| Start Switch       | DIP start switch x1                                                |        |
| LED Indicator      | 4G, Wi-Fi, WAN, LAN1, LAN2                                         |        |

## Hardware Specifications

|                    |                      |
|--------------------|----------------------|
| Main Chip          | MTK MT7628 + ASR1803 |
| Flash              | 16MB                 |
| DDR                | 64MB                 |
| Wi-Fi Protocol     | 802.11 b / g / n     |
| Ethernet Interface | 1 WAN, 2 LAN         |

|                                                             |                           |                                                                   |
|-------------------------------------------------------------|---------------------------|-------------------------------------------------------------------|
| Support Network Frequency Part                              | (CN) Asia                 | TDD LTE: B34 / B38 / B39 / B4 / B41                               |
|                                                             |                           | FDD LTE: B1 / B3 / B5 / B8                                        |
|                                                             |                           | WCDMA: B1 / B5 / B8                                               |
|                                                             | (EU) Europe and Australia | TDD LTE: B38 / B40 / B41                                          |
|                                                             |                           | FDD LTE: B1 / B3 / B5 / B7 / B8 / B20 / B28                       |
|                                                             |                           | WCDMA: B1 / B5 / B8                                               |
|                                                             | (AN) Americas             | TDD LTE: B38 / B40 / B41                                          |
|                                                             |                           | FDD LTE: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B28 / B12 / B17 / B66 |
|                                                             |                           | WCDMA: B1 / B2 / B4 / B5 / B8                                     |
| LTE Rate                                                    |                           | FDD-LTE 150M DL / 50M UL Cat4                                     |
|                                                             |                           | TDD-LTE 130M DL / 35M UL t4                                       |
| LTE TX Power                                                |                           | 23±2dBm                                                           |
| SIM Card Slot                                               |                           | Support Nano SIM card                                             |
| Serial Port                                                 |                           | support2 serial ports                                             |
| Network Port                                                |                           | support 3 RJ45 Network ports                                      |
| Wi-Fi                                                       |                           | 2.4G                                                              |
| Wi-Fi Speed                                                 |                           | 300 Mbps                                                          |
| Wi-Fi TX Power                                              |                           | 15±2dBm                                                           |
| Maximum Number of Connected Devices                         |                           | 32                                                                |
| USB Interface                                               |                           | Support 1-way USB 2.0 (Type C)                                    |
| Reset                                                       |                           | Support factory reset button                                      |
| Spacing Between Power Supply, Network Port, and Serial Port |                           | 1.25mm                                                            |
| LED Indicator                                               |                           | Power indicator light (green)                                     |
| Operating System                                            |                           | Windows / Linux / Android                                         |

|                       |                         |
|-----------------------|-------------------------|
| Operating Temperature | -20 °C ~ 80 °C          |
| Operating Voltage     | 6-25V                   |
| Web Backstage         | IP: accountadmin: admin |

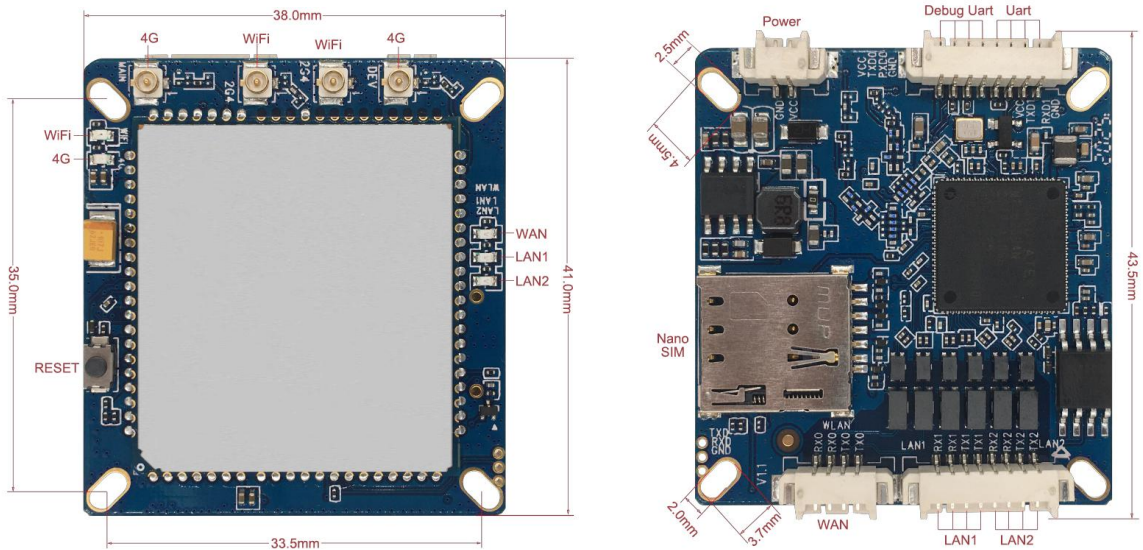
**\* Band description:**

Asia : China, India, Vietnam, Mongolia, Myanmar, Laos, Sri Lanka, Bangladesh, Cambodia, Pakistan, Nigeria, South Africa, Egypt, Ghana, Algeria, Ethiopia , Angola, Botswana, Burkina Faso, Burundi, Congo, Togo , Etree Verde, Gambia, Congo, Guinea, Ghana, Namibia

Europe and Australia : South America: Australia, New Zealand, Brazil, Argentina, Chile, Bolivia, Colombia, Paraguay, Uruguay; Europe: United Kingdom + Russia + the whole EU; Taiwan, Indonesia, Malaysia, Thailand, Singapore, Philippines, South Korea, Iran, Turkey, Saudi Arabia, Kazakhstan, Uzbekistan, Afghanistan, Iraq, Yemen, Oman, Syria, Egypt, Iran, Turkey, Saudi Arabia, most of the Middle East; Culture; Kenya, Libya

Americas : United States, Canada, Mexico, all South America

**Appearance, Size, and Interface Description**



**Remark:**

1. The DC power supply voltage range is 5V to 12V. The POWER light is always red after powering on. It is recommended to use the matching power adapter.
2. Supports factory reset button; press and hold for more than 3 seconds after turning on the phone.
3. The reset button is the factory reset grounding and then released after 3 seconds
4. Please clear your browser's browsing history before using the WEBUI management function.

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