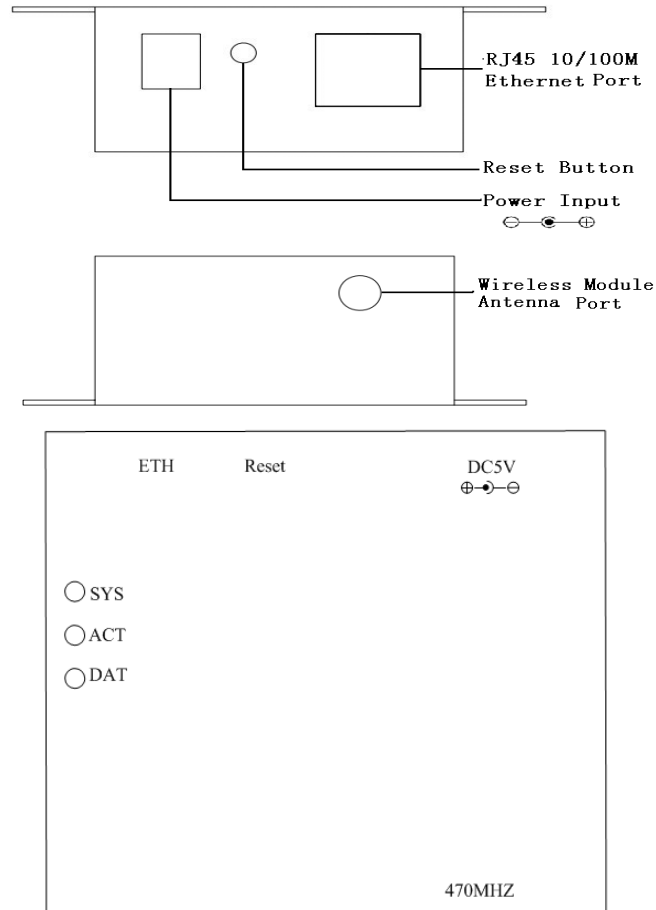# C9201T-W470-D05-T OPERATIONAL DESCRIBTION

## 1 Hardware Introduction

As shown in the following figures, C9201T-W470-D05-T device servers have one Ethernet Interface port and wireless module antenna port.



## 2 Indicator Specification

| LED Name | Colors | Functions | Status | Description |
|----------|--------|-----------|--------|-------------|
| SYS | Yellow | System status | Flash | System working |
| | | | Off | System booting normally |
| ACT | Green | Ethernet Connection Status | Flash | Data transmitting |
| | | | Off | Dis-connected |
| DAT | Green | TTL COM date status | Fast flash | Data transmitting |
| | | | Slow flash | Data receiving |

## 3 Power Supply

Using high-quality power adaptor, the device has a wide fluctuation tolerance and strong anti-interference and isolation quality to ensure a stable operation.

Input voltage ： DC5V。

Power consumption ： ＜5W

## 4 Ethernet Interface

Ethernet Interface: RJ45

10M/100M self-adaptive cross or direct through line self-adaptive

Compatible with IEEE 802.3 protocol.

**5 Reset**

RESET：Restore to default factory setting by press 3 second.

**6 Wireless Module**

Wireless module: SRWF-1022

**7 Operating Environment**

The device has a wide range of operating temperature and is able to work normally and stably in highly adverse environment.

| | |
|---|---|
| Working Temperature | $-40℃ \sim +75℃$ |
| Storage Temperature | $-40℃ \sim +85℃$ |
| Relative Humidity | $5\% \sim 95\%$ |
| Atmospheric Pressure | $70 \sim 106$ kpa |

The environment should be free from corrosive and solvent gases, dust, and magnetic interference.

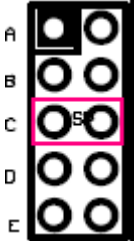**8 Mechanical Specifications**

Appearance dimension：78MM*60MM*30MM

**9. RF Function**

**9.1. Features**

| Serial number | Item | Parameter | Note |
|---|---|---|---|
| 1 | Modulation mode | GFSK/FSK | |
| 2 | Work frequency | 470.25 MHz | |
| 3 | Interface velocity | 4800bps | |
| 4 | Power supply | +3.3～5VDC | |
| 5 | Working temperature | -40℃~80℃ | |
| 6 | Working humidity | 10%~90%(relative humidity without condensation) | |
| 7 | Dimension | 47mm×26mm×10mm | |

**9.2 Transmitting**

Transmitting GFSK mode:

| JUMPER ABCD | frequency |
|---|---|
|  | 470.25MHz |

**9.3 Signal Description**

The function of the wireless module is to sent the data which is received from the RJ45 port to the air and sent the data which is received from the air to the RJ45 port.

## 10.Installation and Maintains

### 10.1.Installation

STEP 1: Connect the C9201T-W470-D05-T device server to a network.Use a standard straight -through Ethernet cable to connect to a hub or switch.
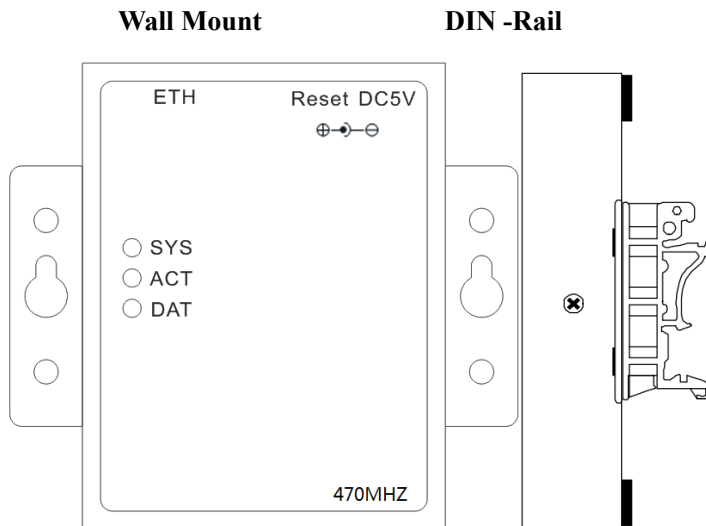
When setting up or testing the C9201T-W470-D05-T device server, you might find it convenient to connect directly to your computer's Ethernet port. In this case, use a cross-over Ethernet cable.

STEP 2: Connect the C9201T-W470-D05-T device server's serial port to a serial device.

STEP 3: Connect the power adaptor.

STEP 4: Placement options.

In addition to placing the C9201T-W470-D05-T on a desktop or other horizontal surface, you may also make use of the DIN-Rail or Wall Mount options, as illustrated below.

**Wall Mount**          **DIN -Rail**

ETH          Reset DC5V
⊕—●—⊖

○ SYS
○ ACT
○ DAT

470MHZ

## 10.2 Method of Operation

### 10.2.1 Self Test

Set to join the right power supply, the device will self-test, PWR light is on continuously, and all the LED digital tube displays the number 8. After self-testing, LED displays real-time voltage.

### 10.2.2 Set up and Connection

According to the requirements of network environment is connected, open the power, equipment enter the normal working condition.

If the device is not working properly, please see the fault diagnosis and exclusion, if still not rule out the possibility of failure, please contact with the company or the company dealers, agents contact.