

5X SP6T SWITCH, DC to 26.5GHz / DC to 40GHz, 2.92 mm

Model: LT-REL-01 / LT-REL-02

FEATURES:

- Wide Band Operation DC-26.5GHz or 40GHz
- Terminated
- RS232&LAN Controlled
- Low Insertion Loss and High Isolation
- Customization available upon request

TYPICAL APPLICATIONS:

- Device testing
- Automated test equipment

RF SPECIFICATIONS:

| Frequency (GHz) | DC-18 | 18-26.5 | 26.5-40 |
|--------------------------|-------|---------|---------|
| Insertion Loss (dB max.) | ≤1dB | ≤1.5dB | ≤2dB |
| Isolation (dB min.) | ≥60dB | ≥55dB | ≥50dB |
| VSWR (max.) | ≤1.5 | ≤1.9 | ≤2.1 |

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS:

| Parameter | Value |
|-----------------------|----------------------|
| Operating Temperature | -25°C to +65°C |
| Vibration(operating) | 10G RMS, 20-2000HZ |
| Shock(non operating) | 50G, 1/2Sine, 12msec |
| Connector Type | 2.92 Female |
| Control Connector | USB type-B & RJ45 |
| Rated Voltage | 220V AC |
| Switch Sequence | Break before make |

SWITCH TYPE:

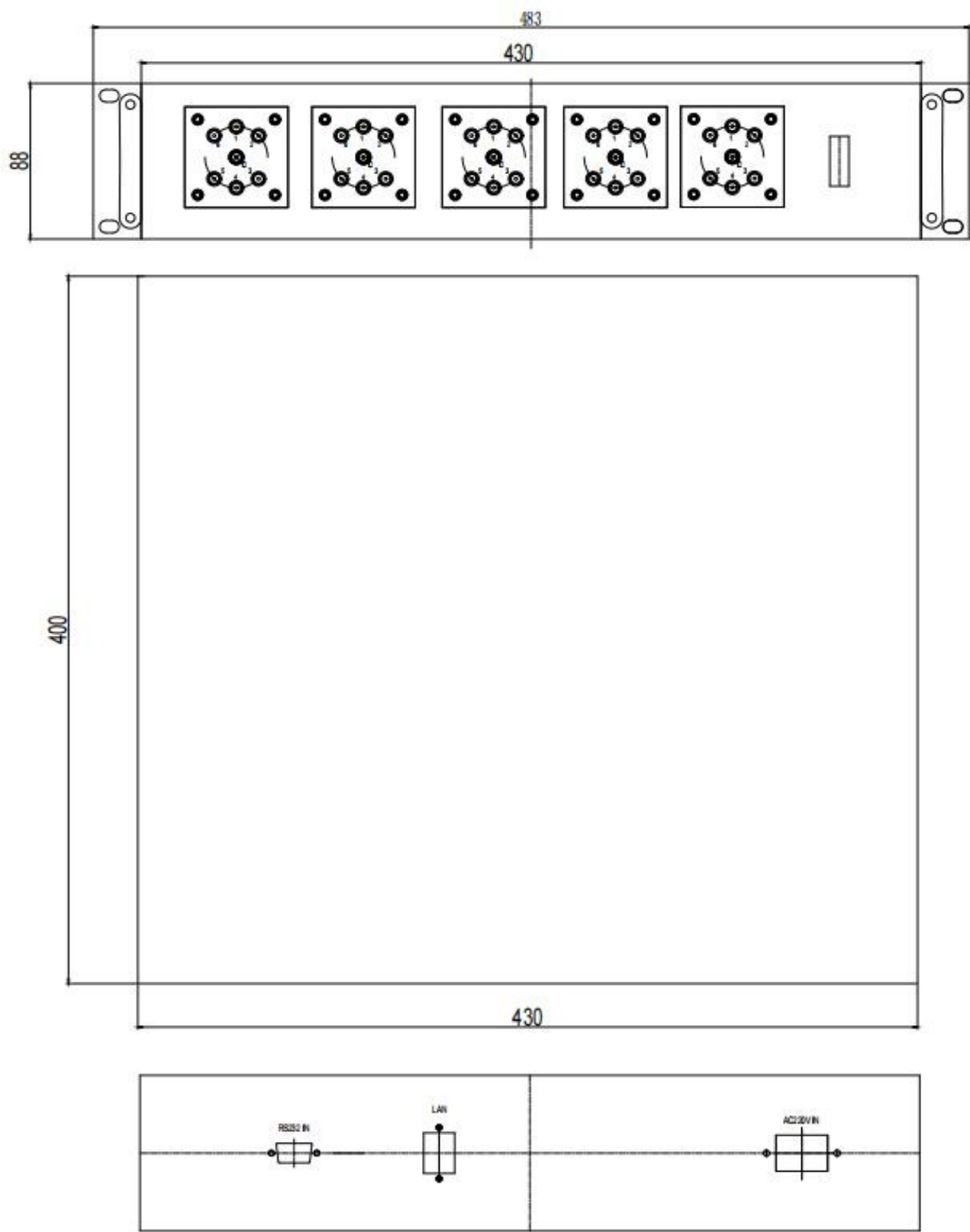
| Model | LT-REL-01 | LT-REL-02 |
|--------------------------|-----------|-----------|
| Frequency (GHz) | DC-26.5 | DC-40 |
| Insertion Loss (dB max.) | ≤0.8dB | ≤1.3dB |
| Isolation (dB min.) | ≥55dB | ≥50dB |
| VSWR (max.) | ≤1.9 | ≤2.1 |

CONNECTIONS:

| Port Name | Connector Type |
|-----------|----------------|
| RF | 2.92 Female |
| RS232 | DB9 |
| LNA | RJ45 |

OUTLINE DRAWING:

UNIT: mm



SERIAL TERMINAL COMMANDS:

System description: The device acts as a TCP/IP server. Default IP: 192.168.100.178. Default port number: 18178

Control Command:

2.1. Switch query:

| | |
|-----------------------|---------------------|
| Function description | Switch status query |
| Command format | none |
| Parameter description | Query\r\n |
| Command direction | PC-->Switch |

2.2. Switch settings:

| | |
|-----------------------|--|
| Function description | Switch settings |
| Command format | Set: D1-N, D2-N, D3-N, D4-N, D5-N\r\n |
| Parameter description | D1\D2\D3\D4\D5 represents the switch number, N: switch value 0~6 |
| Command direction | Switch --> PC |
| Success response | OK\r\n |
| Failure response | Fail\r\n |
| Sample | Set: D1-1, D2-2\r\n |

2.3. IP settings:

Our company offers a comprehensive IP Tool solution for managing IP and port settings efficiently. The tool enables users to configure network parameters with ease. Below are the step-by-step instructions for using the IP Tool:

1. Connecting the Hardware:

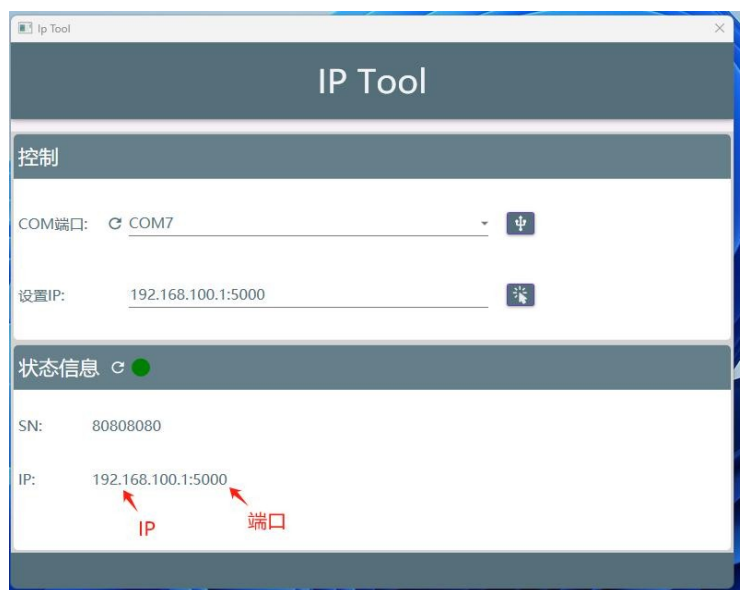
- Connect the switch matrix to the PC using a serial cable.
- Ensure that the serial cable driver is correctly installed and functioning properly.

2. Powering and Software Setup:

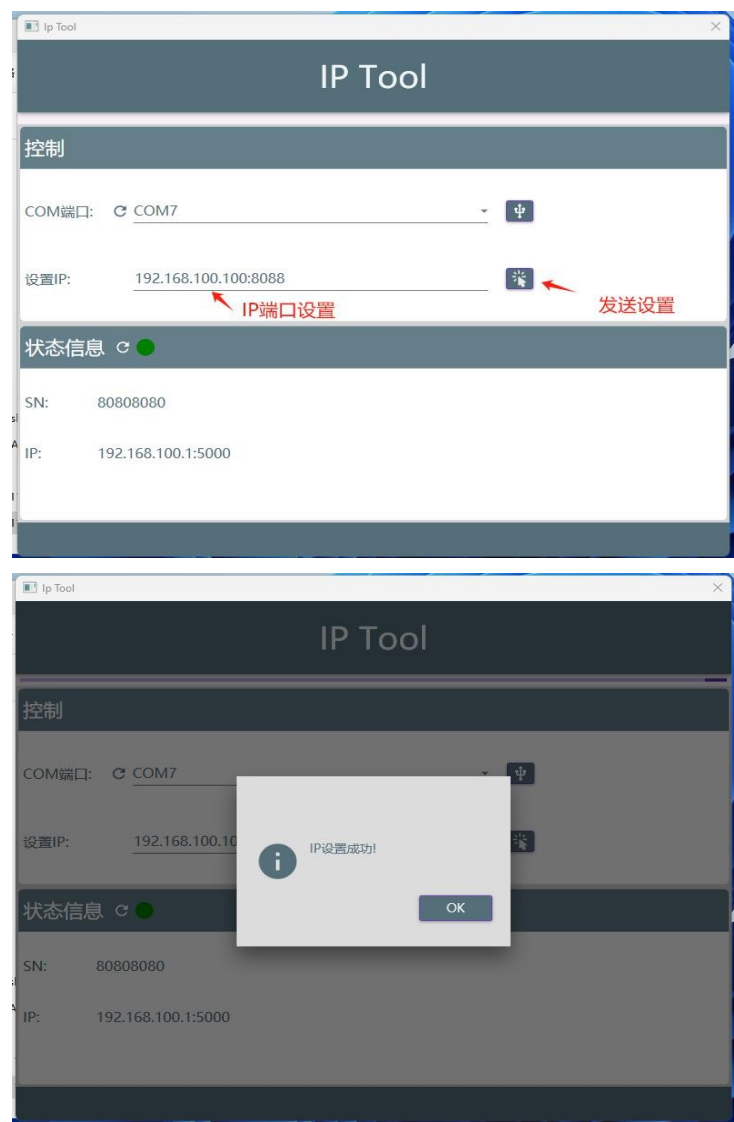
- Turn on the power supply to the switch matrix.
- Launch the IP TOOL software.
- In the software interface, select the appropriate COM port corresponding to your connection.
- Click on "Connect" to establish the connection between the PC and the switch matrix.



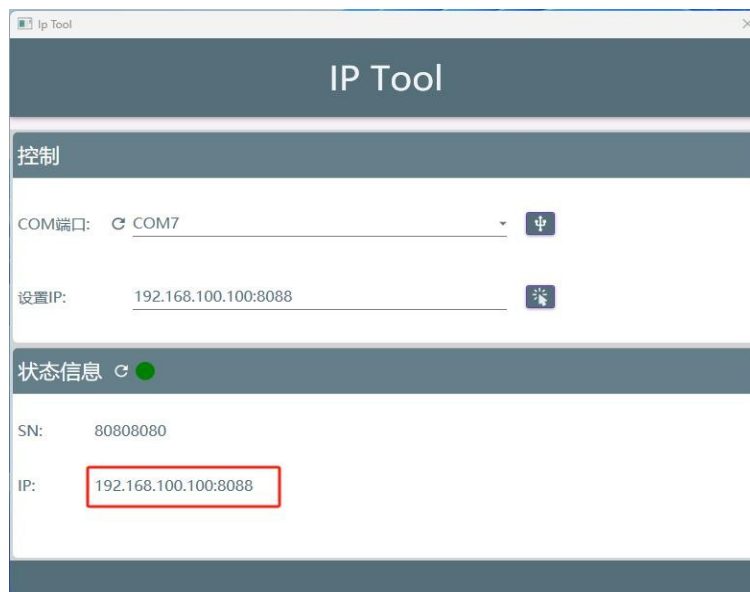
3. After connecting, in the status information below, the device SN number, IP, and the port, as shown in the figure below:



4. Set the IP and port as follows: enter the IP we want in the set IP to and port, the format is: IP number: Port number, for example: 192.168.100.100:8088 Click the Send settings button later. The words "Set IP successfully" appear.



5. Restart the device and reconnect to the IP tool software. You can find that the IP has been modified.



For any additional information please contact us at sales@laftex.ru or visit our website: <https://laftex.ru>.