



TE

V1.0 |

55

tosunai

1288 9  
4849 14-17

“ ”



TE

TC      TP      TE      TLog      TTS

TE      /  
USB

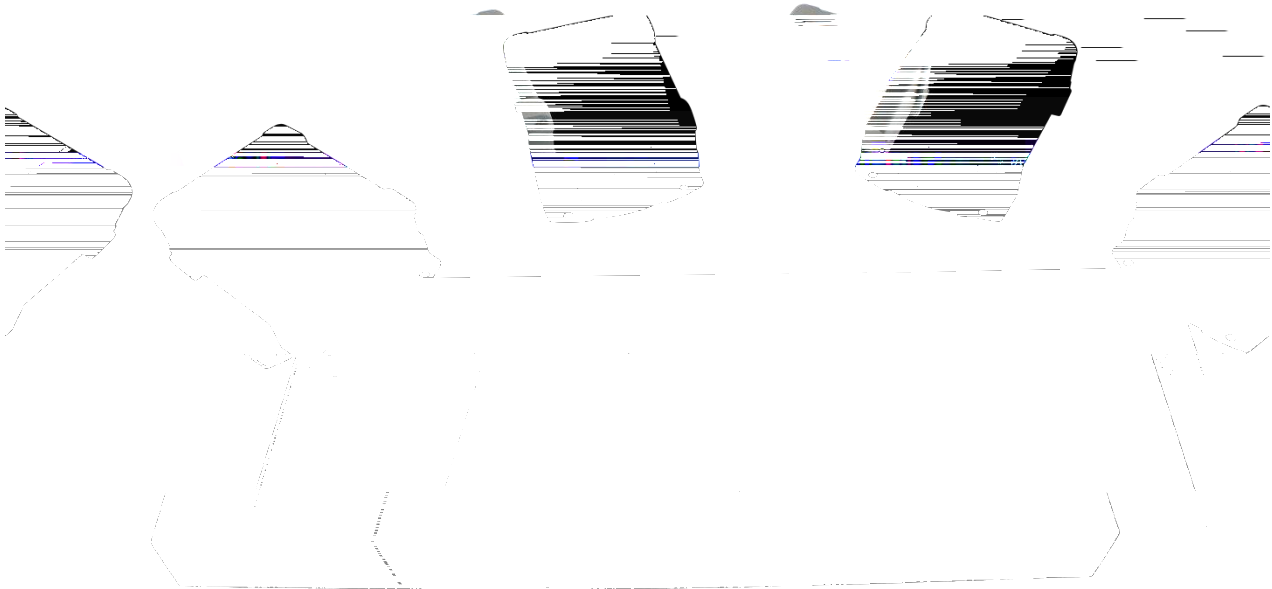
TE

|        |        |        |  |
|--------|--------|--------|--|
| TE1021 | TE1051 | TE1105 |  |
|--------|--------|--------|--|

/

DoIP   SOME/IP

...



|          |       |    |
|----------|-------|----|
| 1.       | ..... | 5  |
| 1.1      | ..... | 5  |
| 1.2      | ..... | 5  |
| 2.       | ..... | 6  |
| 3.TE1021 | ..... | 7  |
| 3.1      | ..... | 7  |
| 3.2      | ..... | 8  |
| 3.3      | ..... | 8  |
| 3.4      | ..... | 9  |
| 3.5      | ..... | 10 |
| 3.6      | ..... | 12 |
| 3.7      | ..... | 13 |
| 3.8 LED  | ..... | 15 |
| 3.9      | ..... | 16 |
| 4.TE1051 | ..... | 17 |
| 4.1      | ..... | 17 |
| 4.2      | ..... | 18 |
| 4.3      | ..... | 18 |
| 4.4      | ..... | 19 |
| 4.5      | ..... | 20 |
| 4.6      | ..... | 22 |
| 4.7      | ..... | 23 |
| 4.8 LED  | ..... | 24 |
| 4.9      | ..... | 25 |
| 5.TE1105 | ..... | 27 |
| 5.1      | ..... | 27 |
| 5.2      | ..... | 28 |
| 5.3      | ..... | 28 |
| 5.4      | ..... | 29 |
| 5.5      | ..... | 29 |
| 5.6      | ..... | 30 |
| 5.7      | ..... | 31 |
| 5.8 LED  | ..... | 32 |
| 5.9      | ..... | 33 |



|    |       |    |
|----|-------|----|
| 6. | ..... | 38 |
|----|-------|----|

**1.**

## 1.1

## 1.2



### 3. TE1021

#### 3.1

TE1021

100/1000Base-T1

100/1000Base-TX

100/1000Base-TX



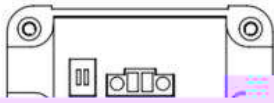
### 3.4

|    |    |      |    |   |
|----|----|------|----|---|
| DC | 9  | 12   | 30 | V |
| DC | -- | 0.12 | -- | A |
| DC | -- | 1.5  | -- | W |

EMC

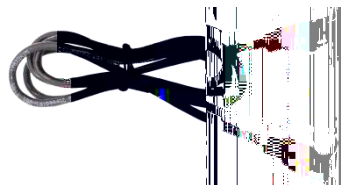
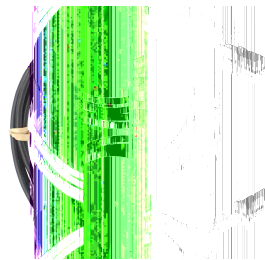
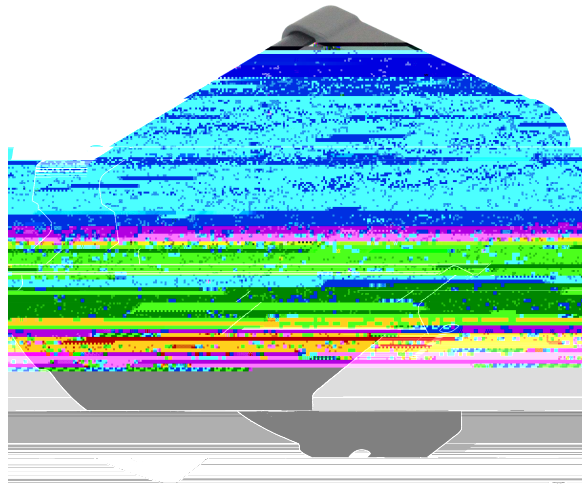
### 3.5





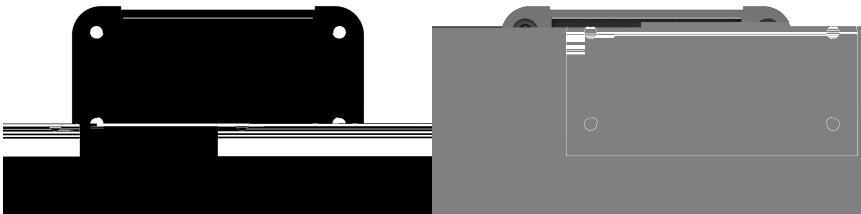
### 3.6

TE1021

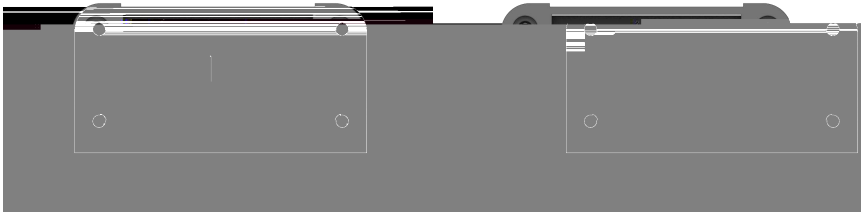


TE MATENET

3.7



TE1021-M

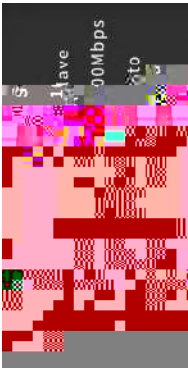


TE1021-R

RJ45

TE MATENET

DIP



|     |  |  |
|-----|--|--|
| DIP |  |  |
| 1   |  |  |
|     |  |  |
| 2   |  |  |
|     |  |  |
| 3   |  |  |
|     |  |  |

2-Pin



\*      TE1021                  DIP  
                                         DIP

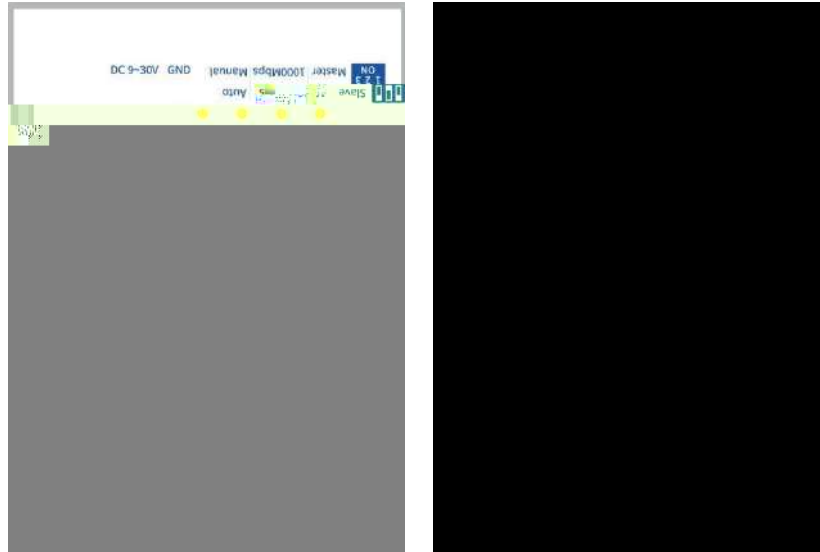


DIP



|     |  |  |
|-----|--|--|
| DIP |  |  |
| 1   |  |  |
|     |  |  |
| 2   |  |  |
|     |  |  |

### 3.8 LED

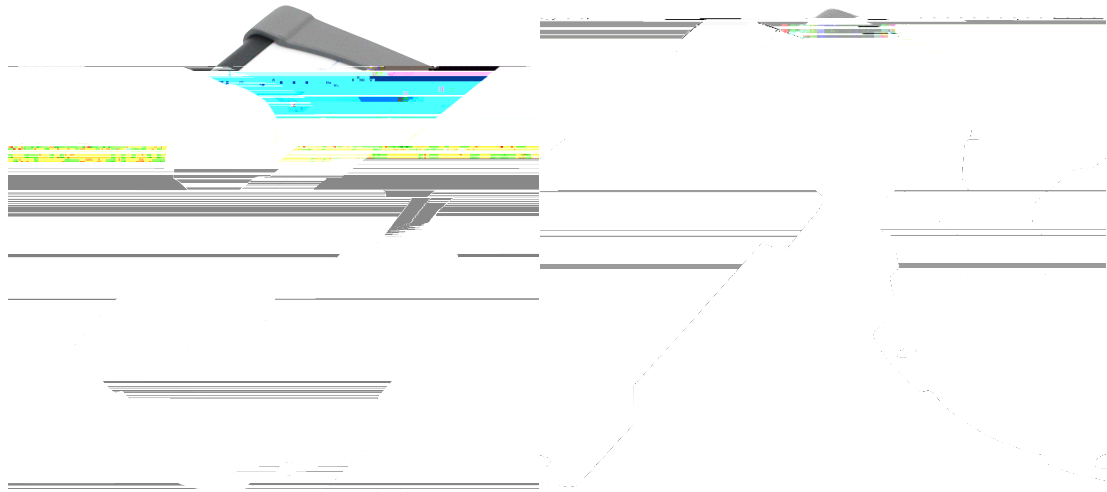
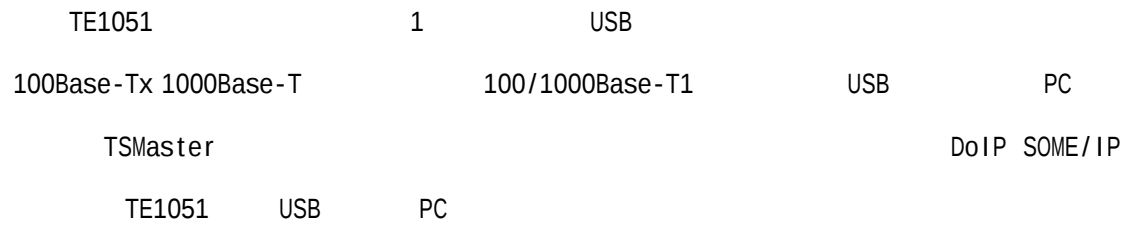


|          |            |             |
|----------|------------|-------------|
|          |            |             |
| Power    |            |             |
| T1_Link  | T1         | T1          |
| Master   |            | /           |
| 1000Mbps | 100M/1000M | 1000M /100M |



## 4.TE1051

### 4.1



4.2



US

win7

1 100Base-Tx 1000Base-T 100/1000Base-T1

TEMATenet

H-MTD

LED

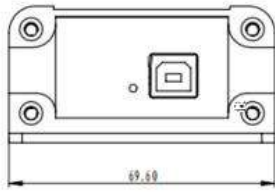
/

4.2



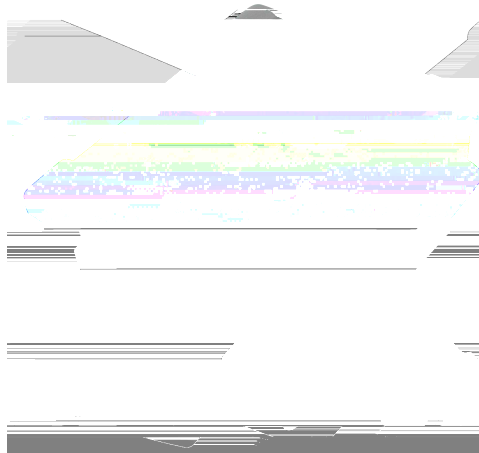


4.5



## 4.6

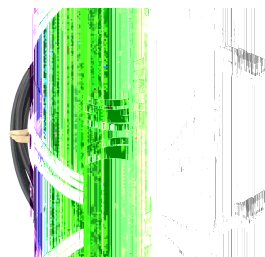
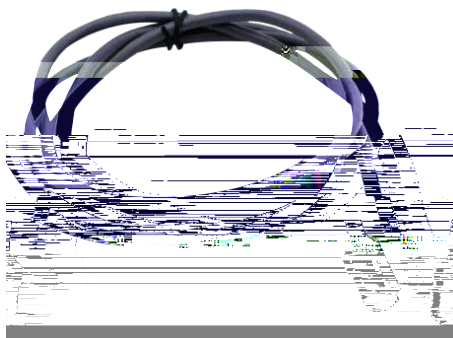
TE1051

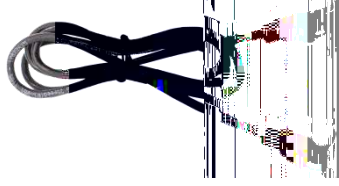


USB \*1



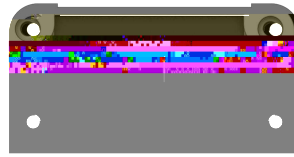
\*1



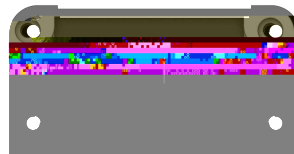


TE MATENET

## 4.7



TE1051-M



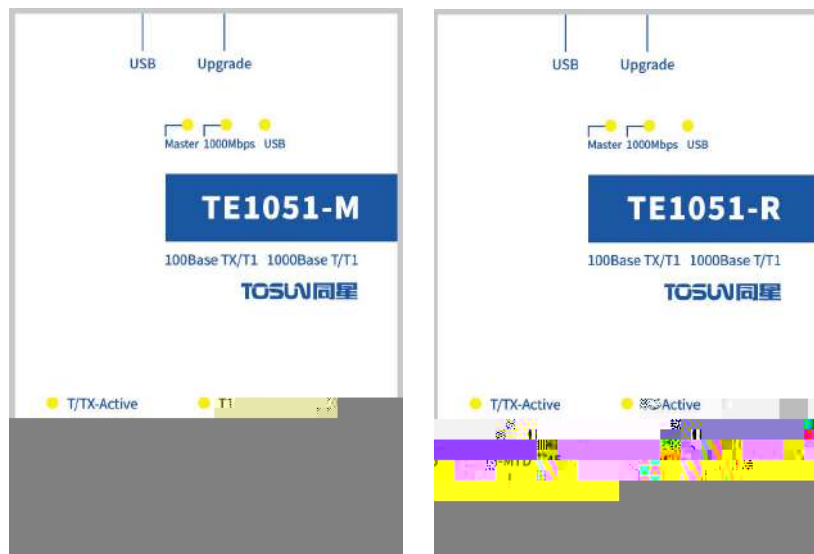
TE1051-R

RJ45

TE MATENET

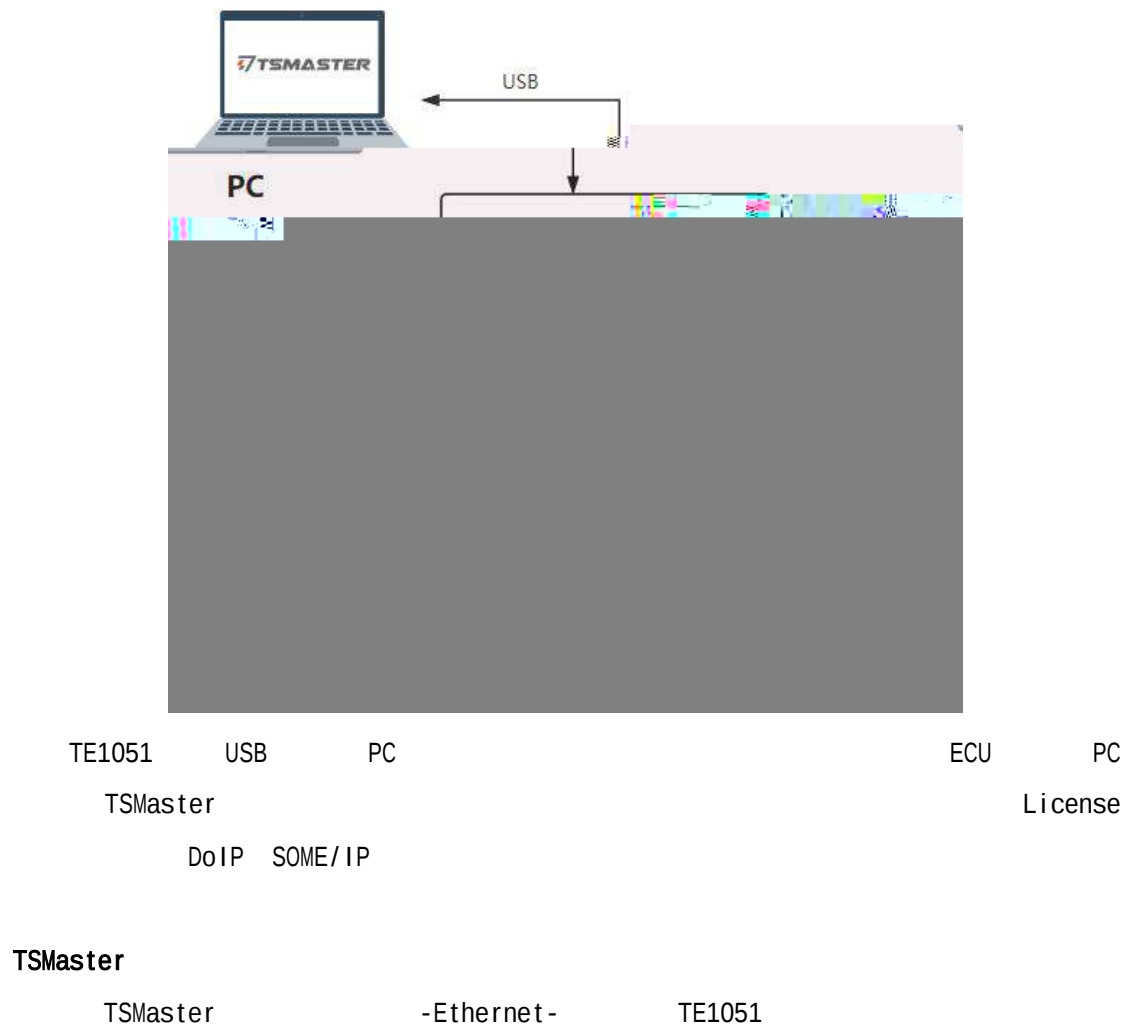
USB 2.0

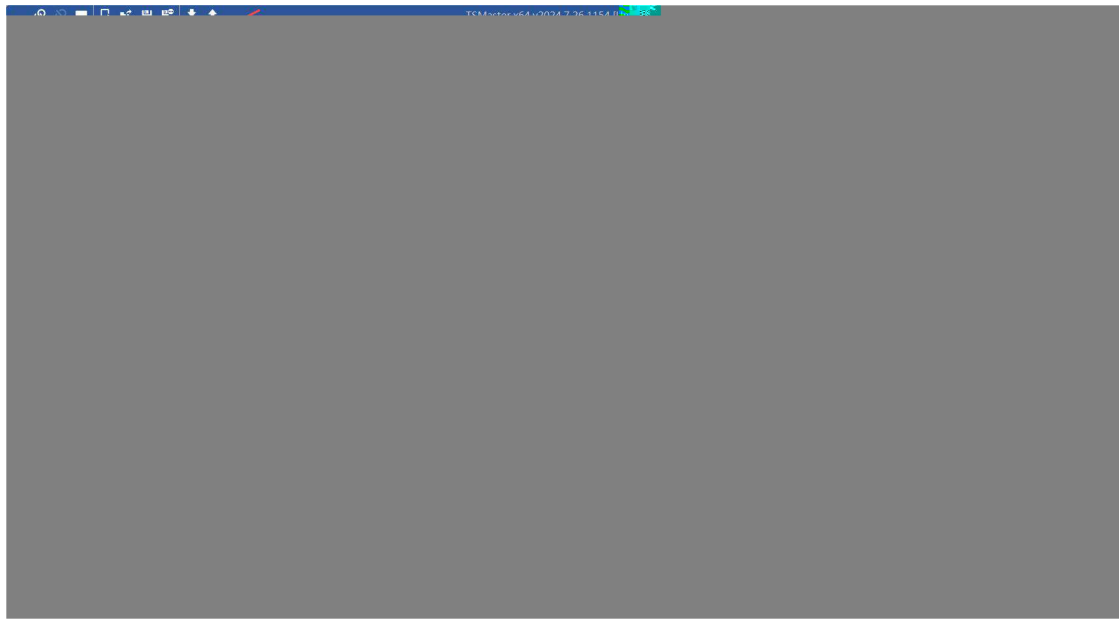
## 4.8 LED



|             |            |             |
|-------------|------------|-------------|
|             |            |             |
| Master      |            | /           |
| 1000Mbps    | 100M/1000M | 1000M /100M |
| USB         | USB        | USB         |
| T/TX-Active | T/TX       |             |
| T1-Active   | T1         |             |

## 4.9





TE1051 TSMaster

ECU TSMaster

TSMaster

## 5.TE1105

### 5.1

TE1105

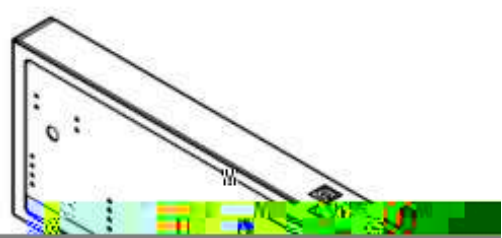
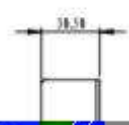
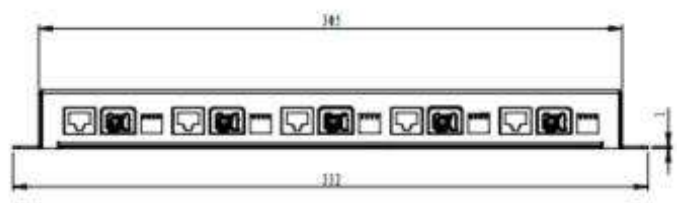


D f S

tosunai

.4

|    |    |      |    |   |
|----|----|------|----|---|
| DC | 9  | 12   | 30 | V |
| DC | -- | 0.47 | -- | A |
| DC | -- | 5    |    |   |



D

## 5.6

TE1105

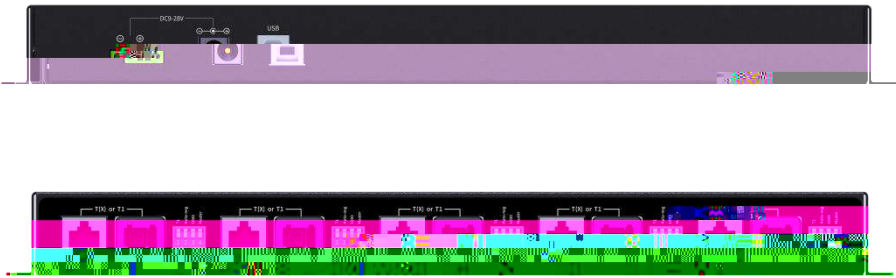
USB \*1



12V2A \*1

TE MATENET \*5

5.7



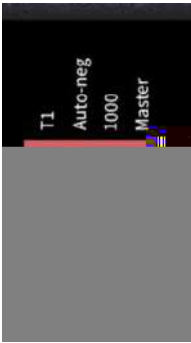
2-Pin

DC

USB2.0

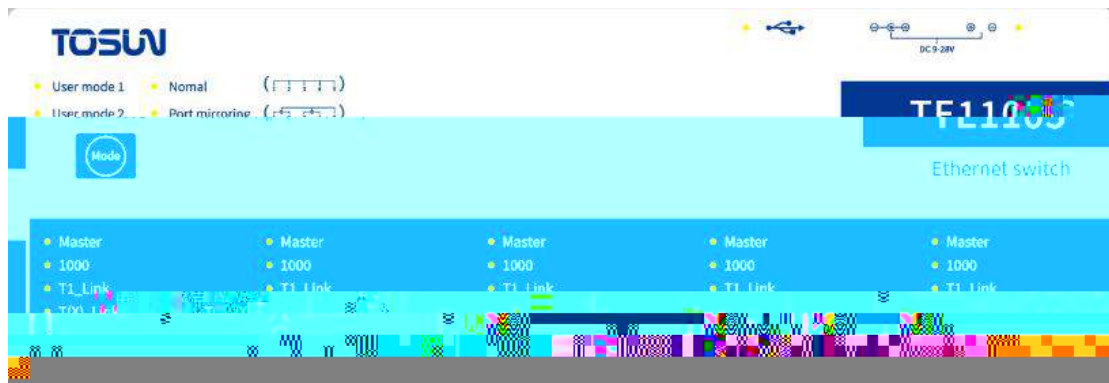
TE MATENET

DIP



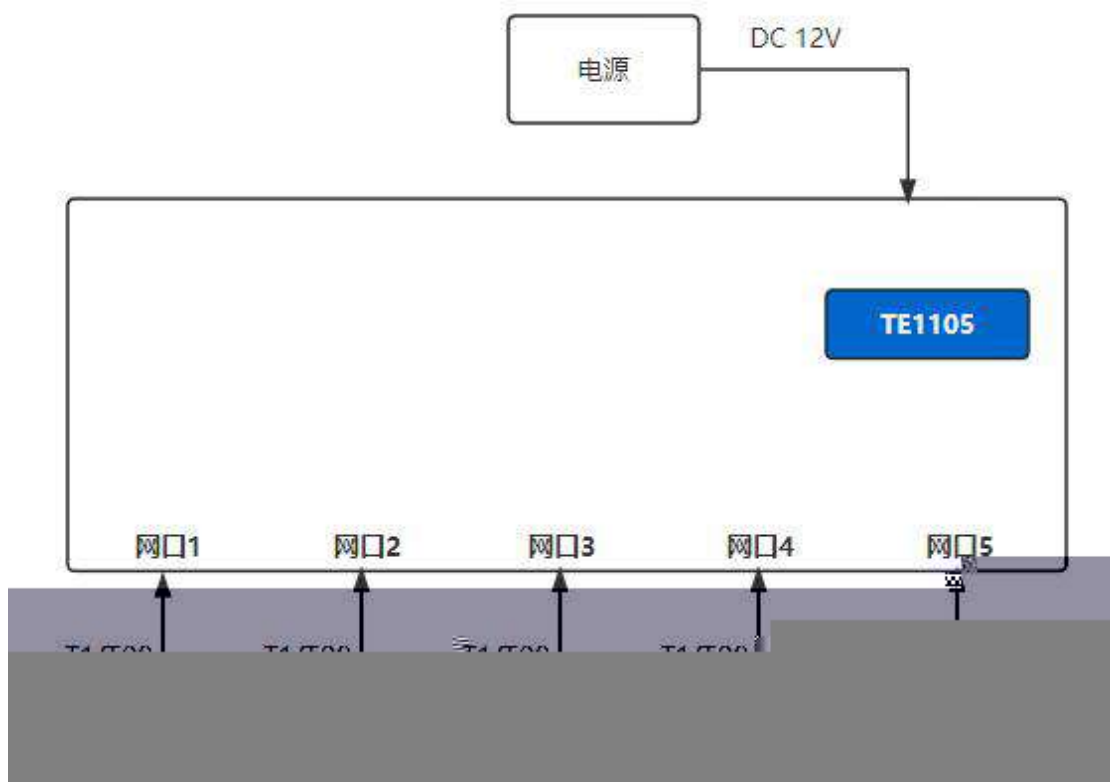
| DIP |  |      |
|-----|--|------|
| 1   |  | T1   |
|     |  | T(X) |
| 2   |  |      |
|     |  |      |
| 3   |  |      |
|     |  |      |
| 4   |  |      |
|     |  |      |

## 5.8 LED

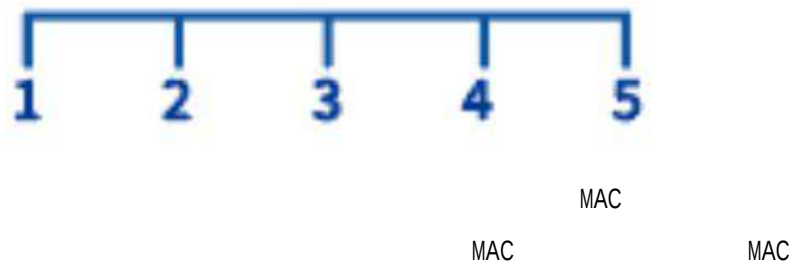


|                                                                                    |            |             |
|------------------------------------------------------------------------------------|------------|-------------|
|                                                                                    |            |             |
|   |            |             |
|  | USB        | USB         |
| User mode1                                                                         | -          |             |
| User mode2                                                                         | -          |             |
| Nomal                                                                              |            |             |
| Port mirroing                                                                      |            |             |
| Master                                                                             |            | /           |
| 1000Mbps                                                                           | 100M/1000M | 1000M /100M |
| T1_Link                                                                            | T1 Link    | T1          |
| T(X)_Link                                                                          | T(X) Link  | T(X)        |

## 5.9



1. Normal Mode



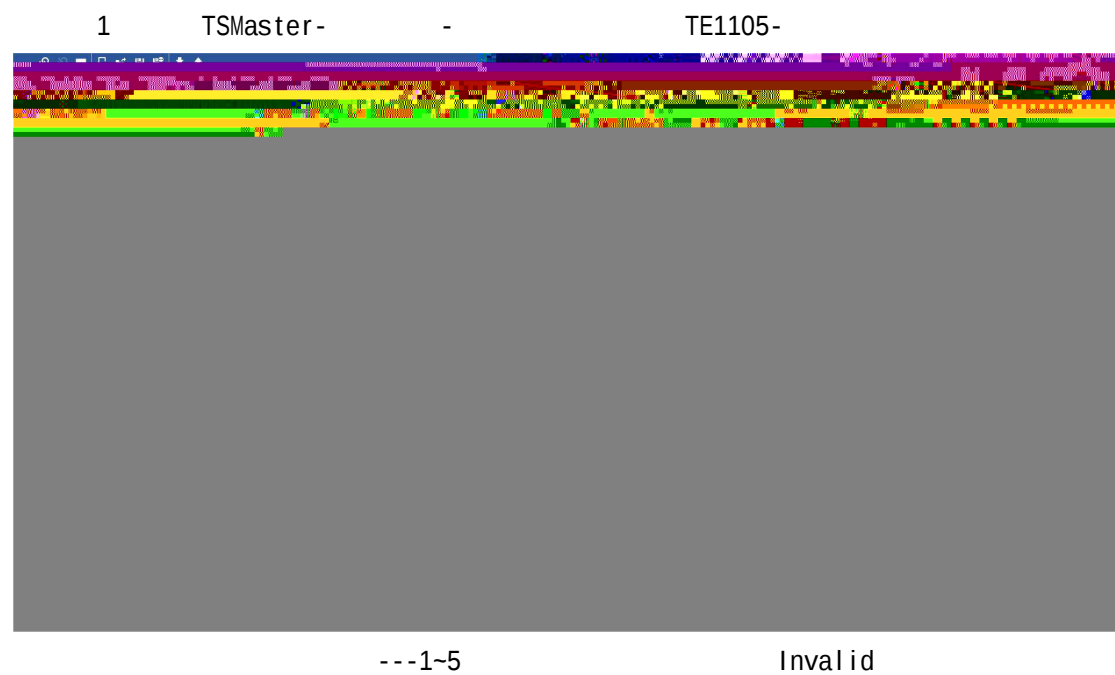
2. Port mirroring Mode





### 3. User Mode

TE1105      USB      PC      PC      TSMaster





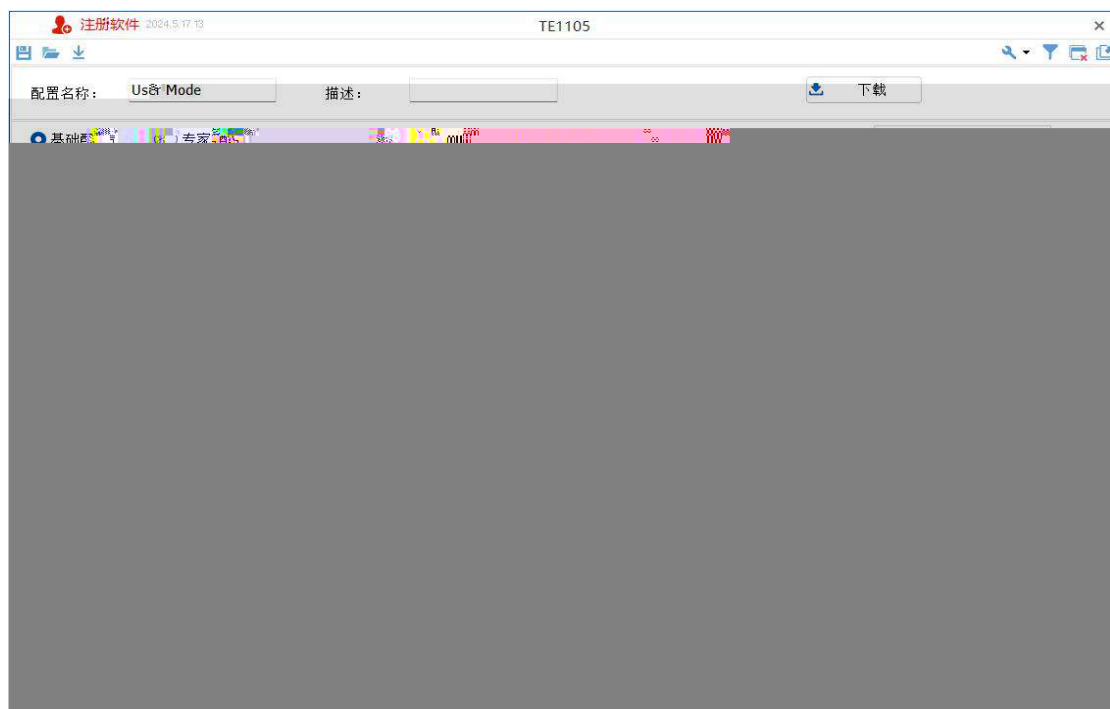
VLAN ID

VLAN ID

0~4095

VLAN

VLANID

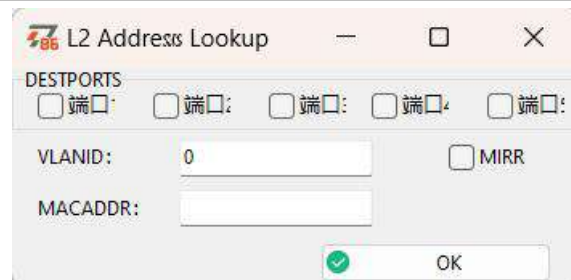




1024

MACADDR

MAC



DESTPORTS

MAC

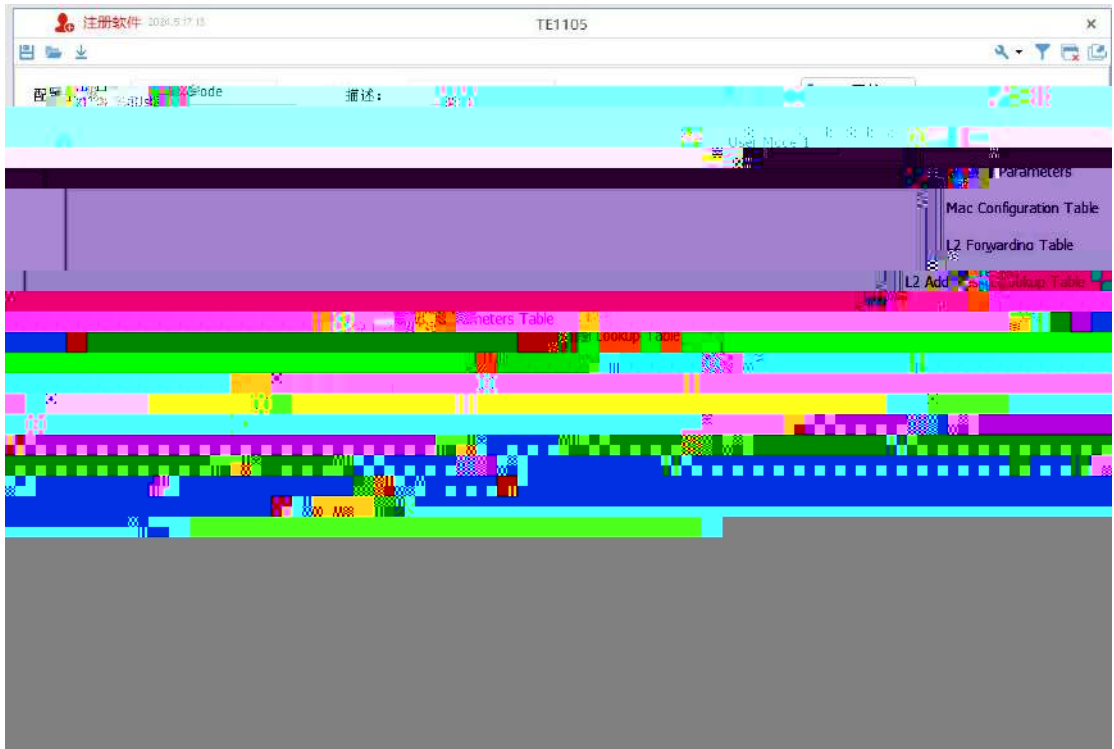
VLAN ID

```
MACADDRE  MAC      FF-FF-FF-FF-FF-FF
```

MIRR                      1                      MAC



General Parameters    Mac Configuration Table    L2 Forwarding  
Table    L2 Address Lookup Table    L2 Lookup Parameters Table    VLAN Lookup Table



TE1105    USB

USB



6.

TE

|  |     |                       |       |
|--|-----|-----------------------|-------|
|  |     |                       |       |
|  |     | USB +5V DC<br>+12V DC | USB / |
|  | ( ) | -40 ~+80              |       |
|  | ( ) | 10%~90%               |       |
|  |     |                       |       |
|  |     |                       |       |
|  |     |                       |       |
|  |     |                       | ,     |
|  |     |                       |       |
|  |     |                       |       |
|  |     |                       |       |

