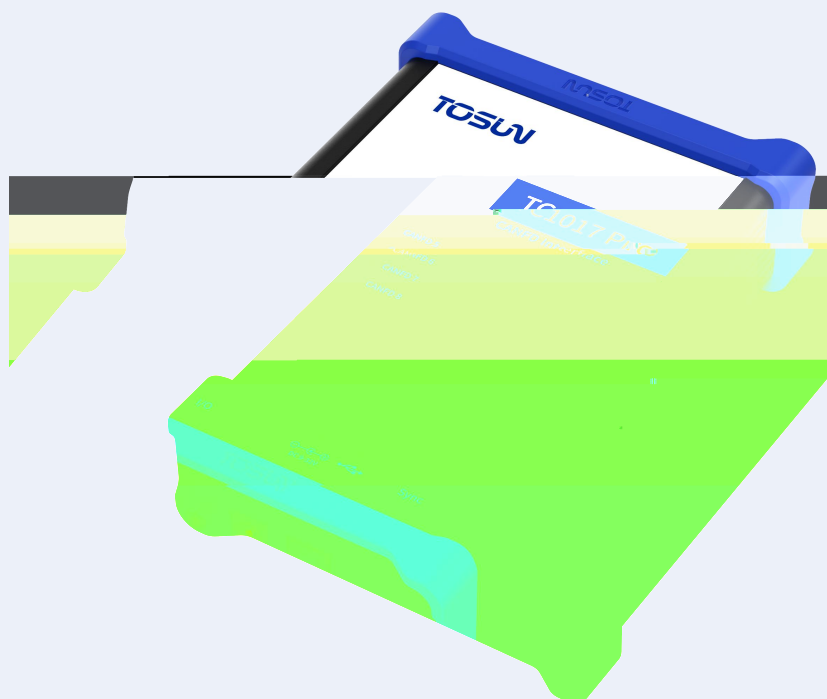




# TOSUN-TC1017Pro

## User Manual

# Product Features & Interface Overview

| Product Name | Channel |
|--------------|---------|
|--------------|---------|

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# Typical Application

- 
- 
- 
- 

# Product Highlights

- 
- 
- 
- 
- 
- 
-



**Contents**

## **1. Introduction**

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |

➤ CAN Specifications

| Parameter | Description |
|-----------|-------------|
|           |             |
|           |             |
|           |             |
|           |             |
|           |             |
|           |             |
|           |             |
|           |             |
|           |             |

➤ I/O

| Parameter | Description |
|-----------|-------------|
|           |             |
|           |             |
|           |             |

|  |  |
|--|--|
|  |  |
|  |  |

## 1.2. Electrical Specifications

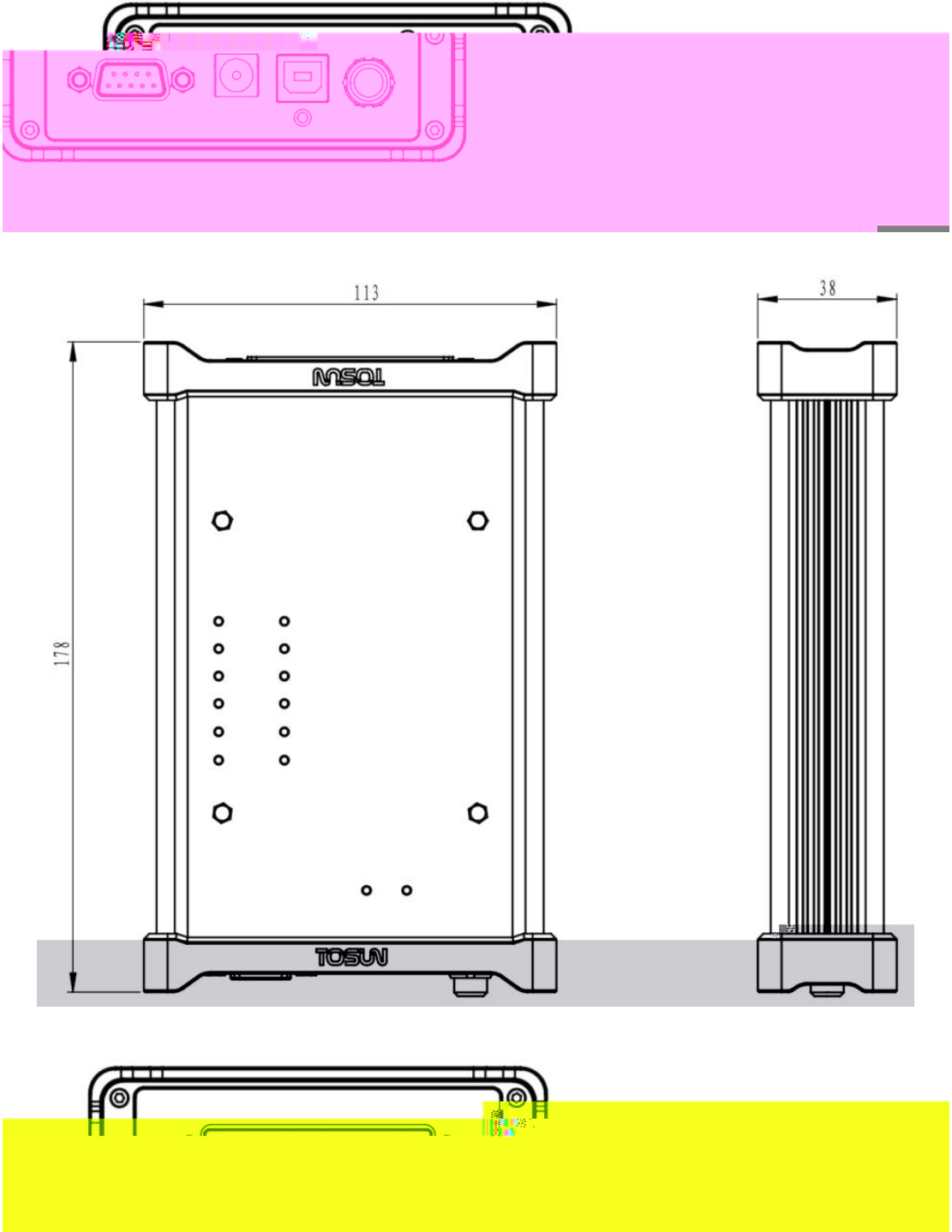
### ➤ Power Characteristics

| Parameter | Condition | Min | Typ. | Max | Unit |
|-----------|-----------|-----|------|-----|------|
|           |           |     |      |     |      |
|           |           |     |      |     |      |

### ➤ CAN Interface Characteristics

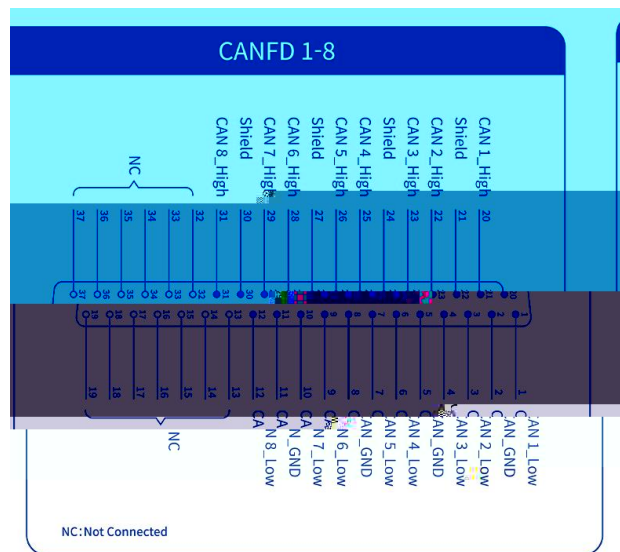
| Parameter | Condition | Min | Typ. | Max | Unit |
|-----------|-----------|-----|------|-----|------|
|           |           |     |      |     |      |
|           |           |     |      |     |      |

➤ Mechanical Dimensions



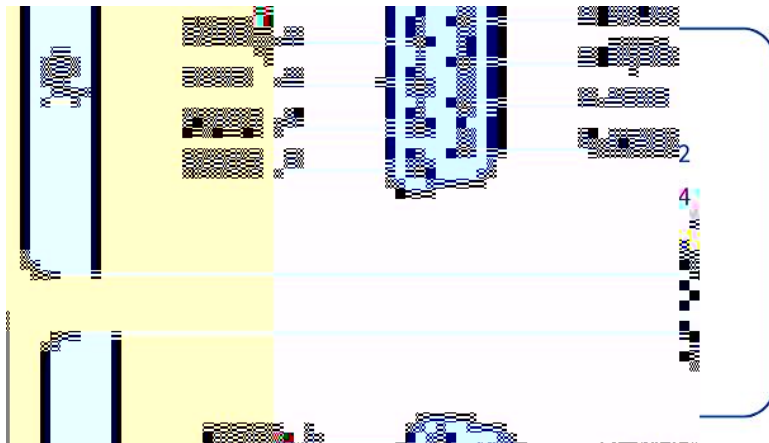
## 1.3. Pin Definition

### ➤ CAN Interface



### ➤ I/O Interface





## 1.4. LED Indicators



➤ **LED Definitions**

| Indicator | Description |
|-----------|-------------|
|           |             |

➤ **LED Color Description**

| Indicator | Color | Description |
|-----------|-------|-------------|
|           |       |             |
|           |       |             |



## 1.5. System Requirements

➤ **PC Requirements**



➤ **Driver Installation**



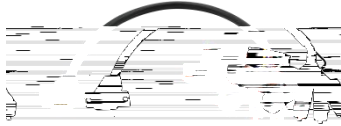
➤ **Downloads**



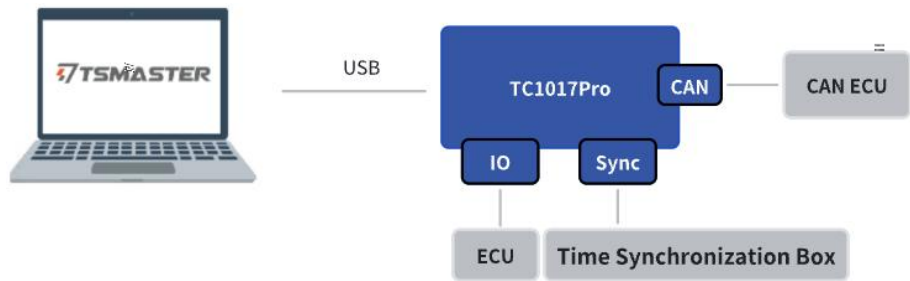


## 1.6. Packing List

| Item                                                               | Qty. | Illustration                                                                         | Standard/Optional |
|--------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|-------------------|
| TC1017Pro Main Device                                              | 1    |    | Standard          |
| 12 V / 2 A Power Adapter<br>(CN/US/EU standard versions available) | 1    |   | Standard          |
| USB Cable                                                          | 1    |  | Standard          |
| DB37 Female to Eight Male Signal Cable                             | 1    |  | Standard          |

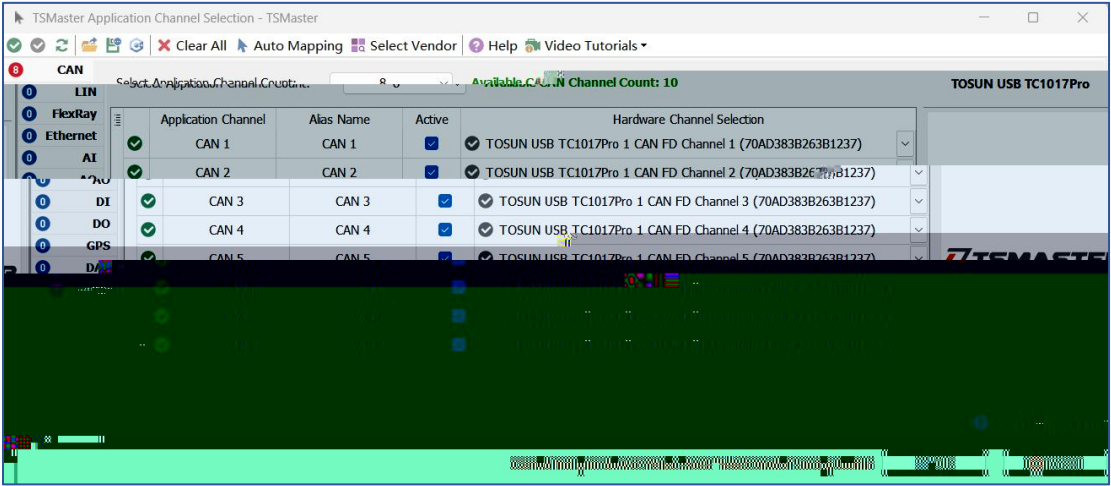
|                                                        |          |                                                                                    |                 |
|--------------------------------------------------------|----------|------------------------------------------------------------------------------------|-----------------|
| <b>Analog/Digital I/O<br/>Interface DB9 Male Cable</b> | <b>1</b> |  | <b>Standard</b> |
| <b>TSKT02 Mounting<br/>Bracket</b>                     | <b>1</b> |  | <b>Optional</b> |

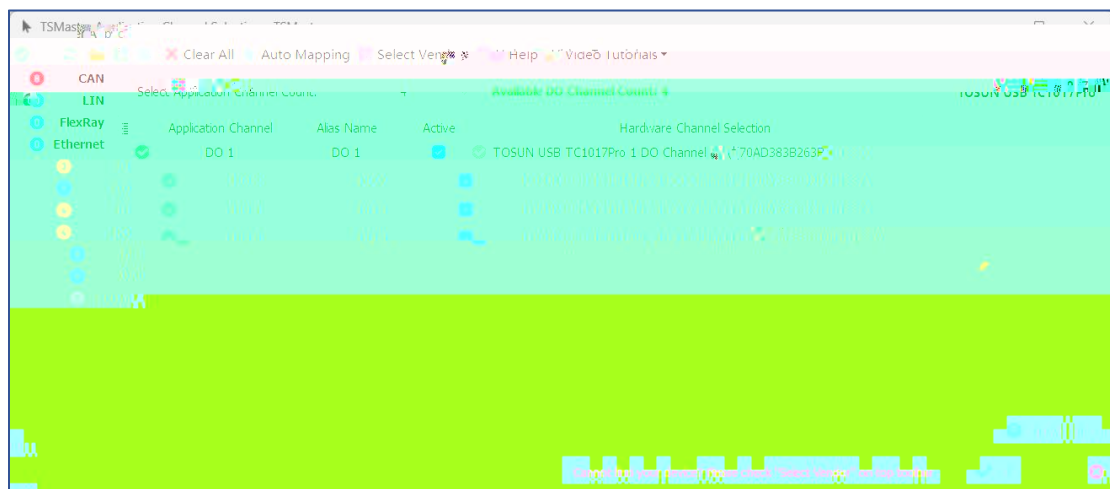
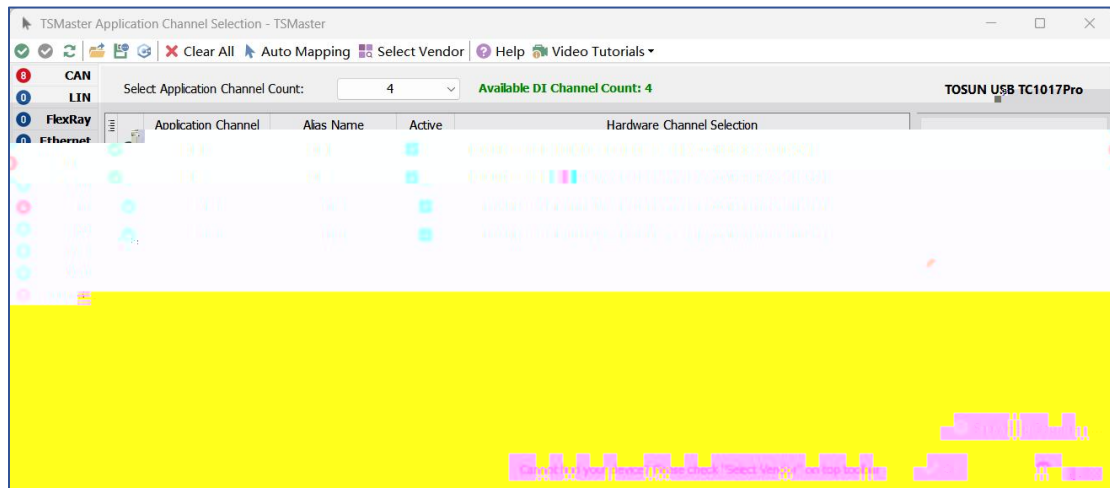
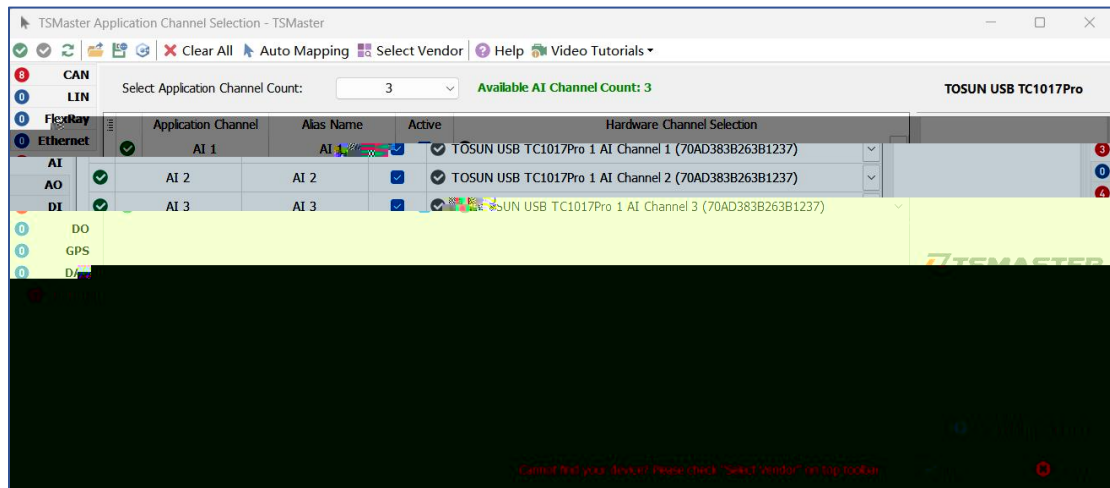
## 2. Application Example in Windows

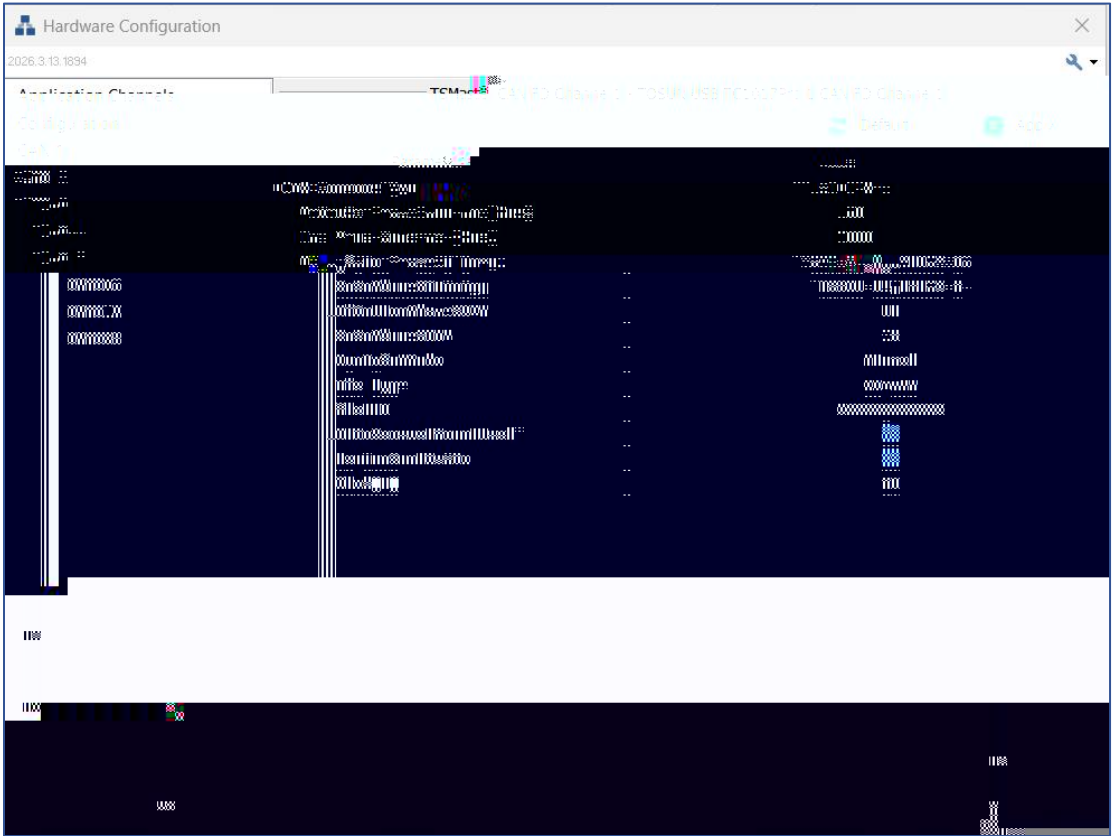


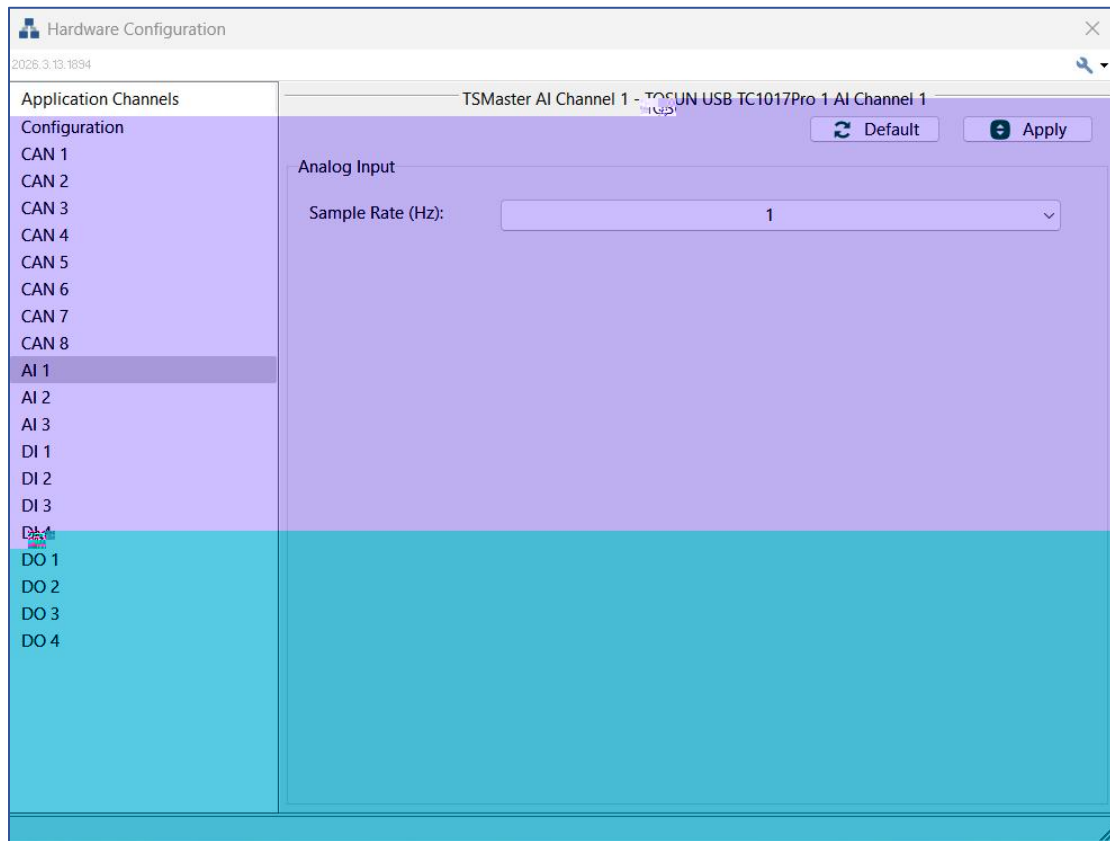
### 2.1. Software Connection

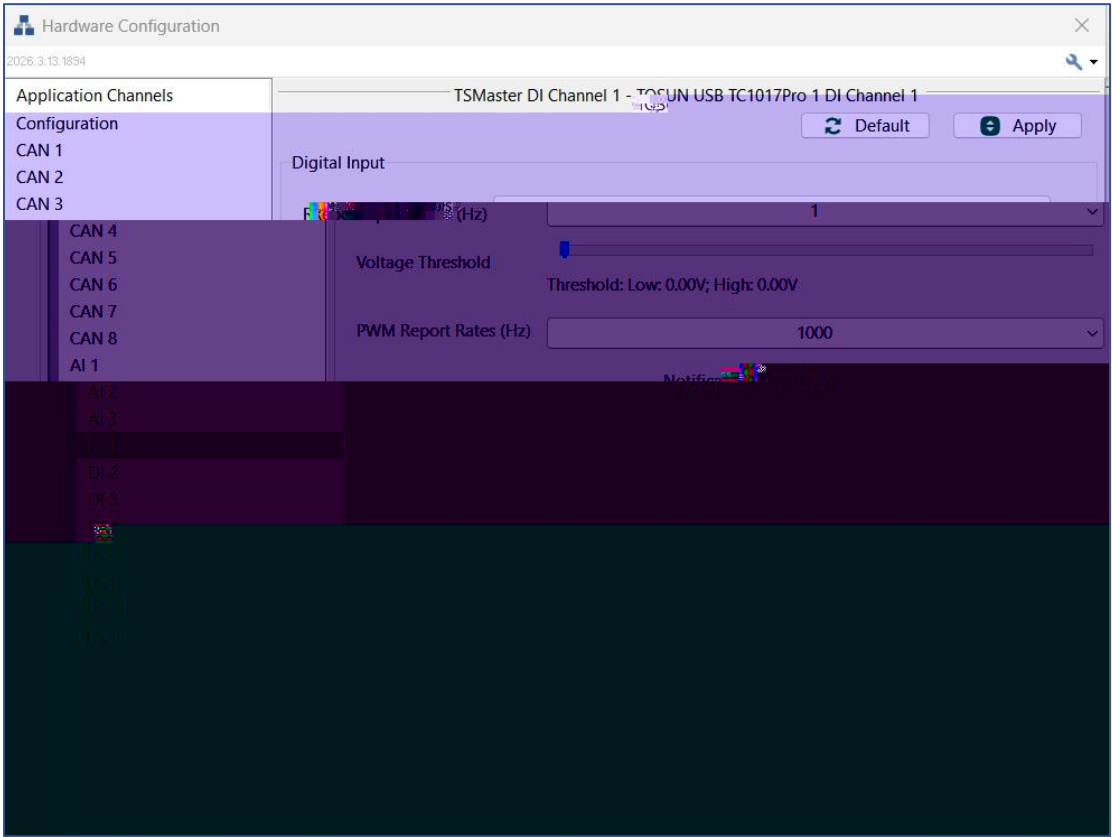
2.

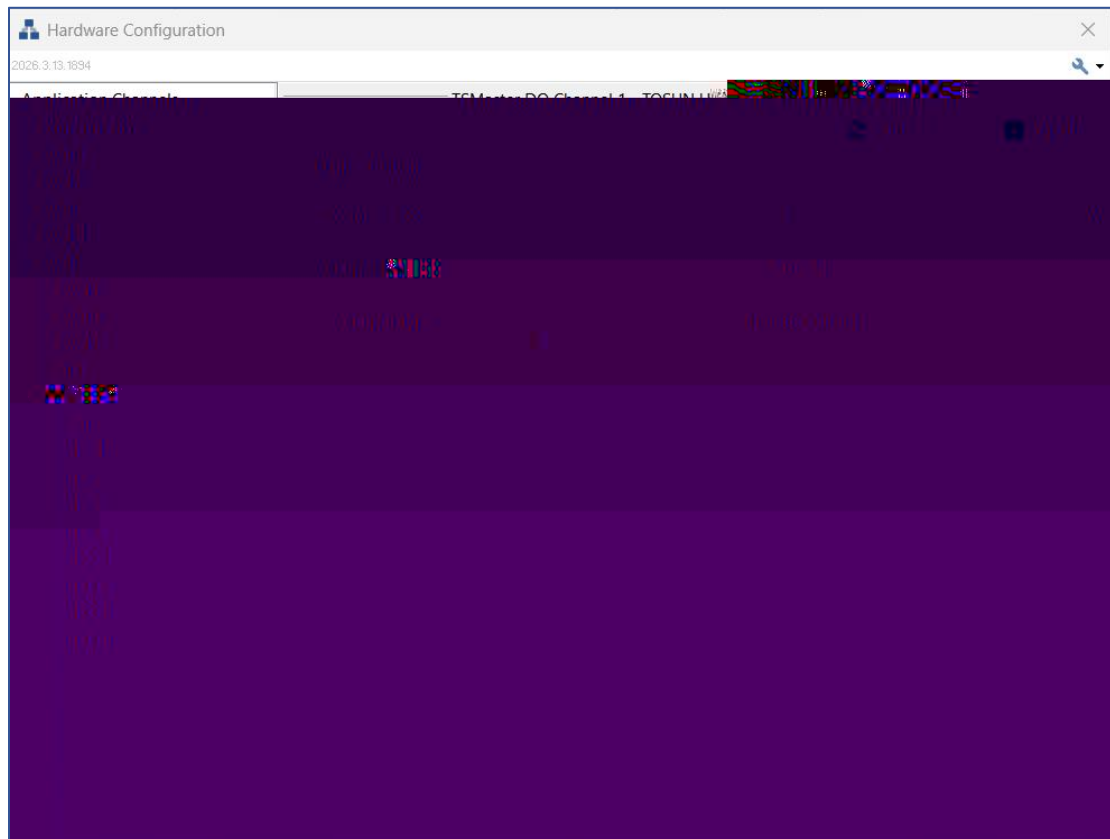






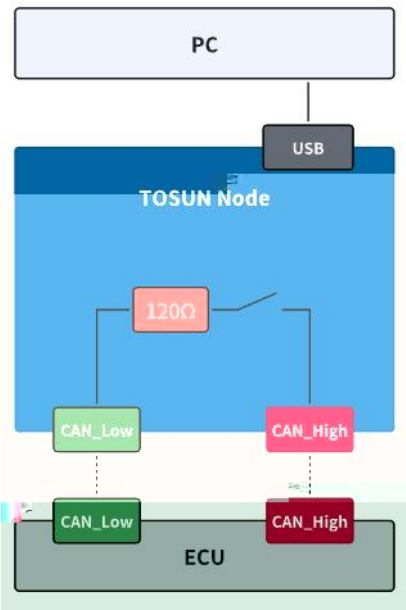
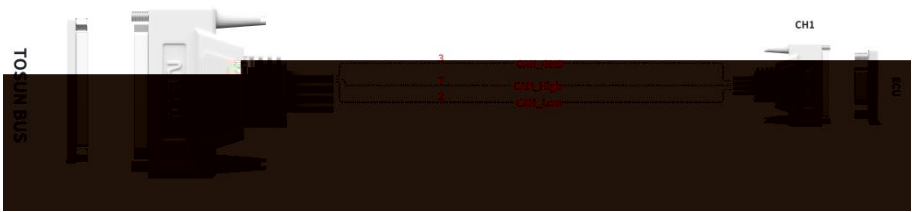


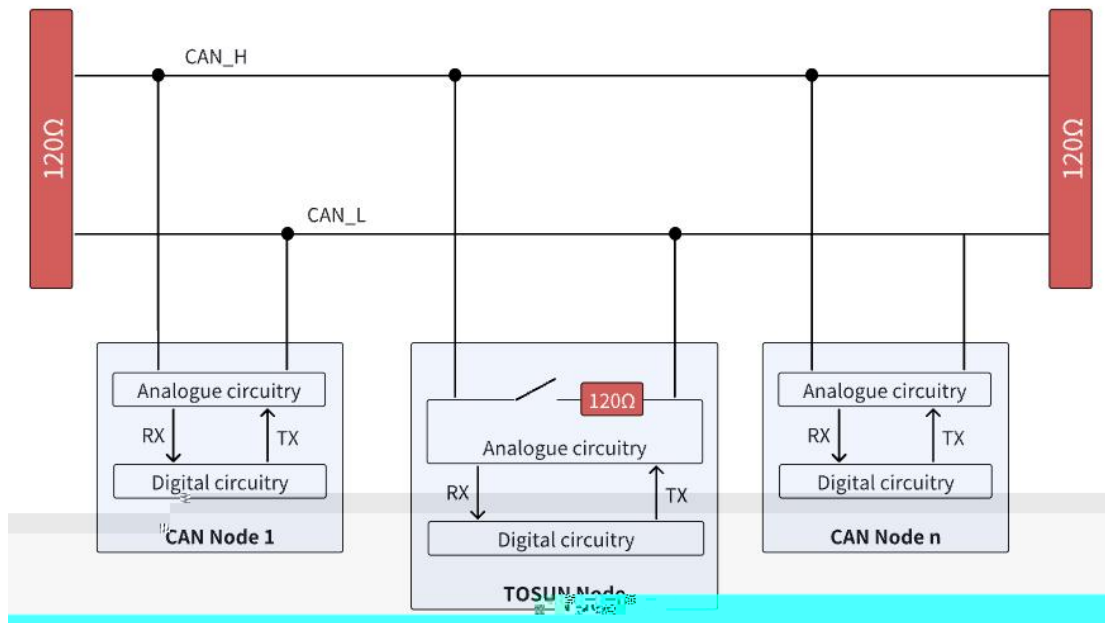




## 2.2. Hardware Connection

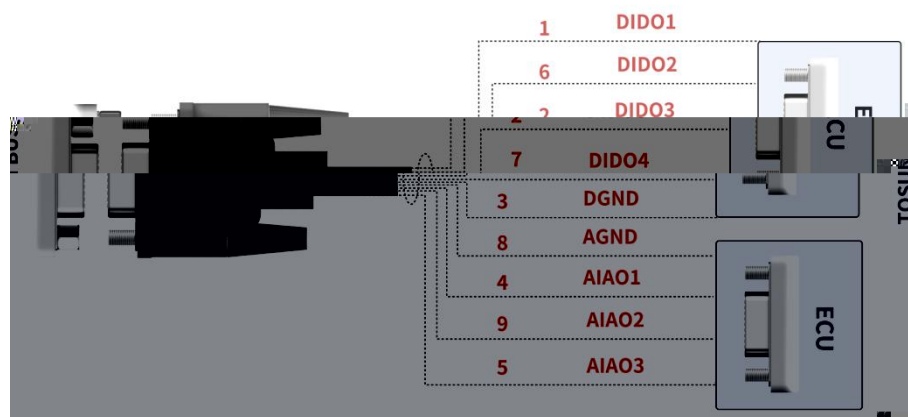
### 2.2.1. CAN



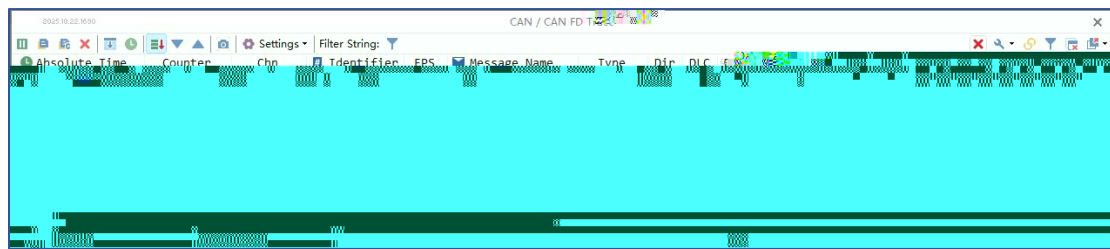


## 2.2.2. I/O

- 
- 

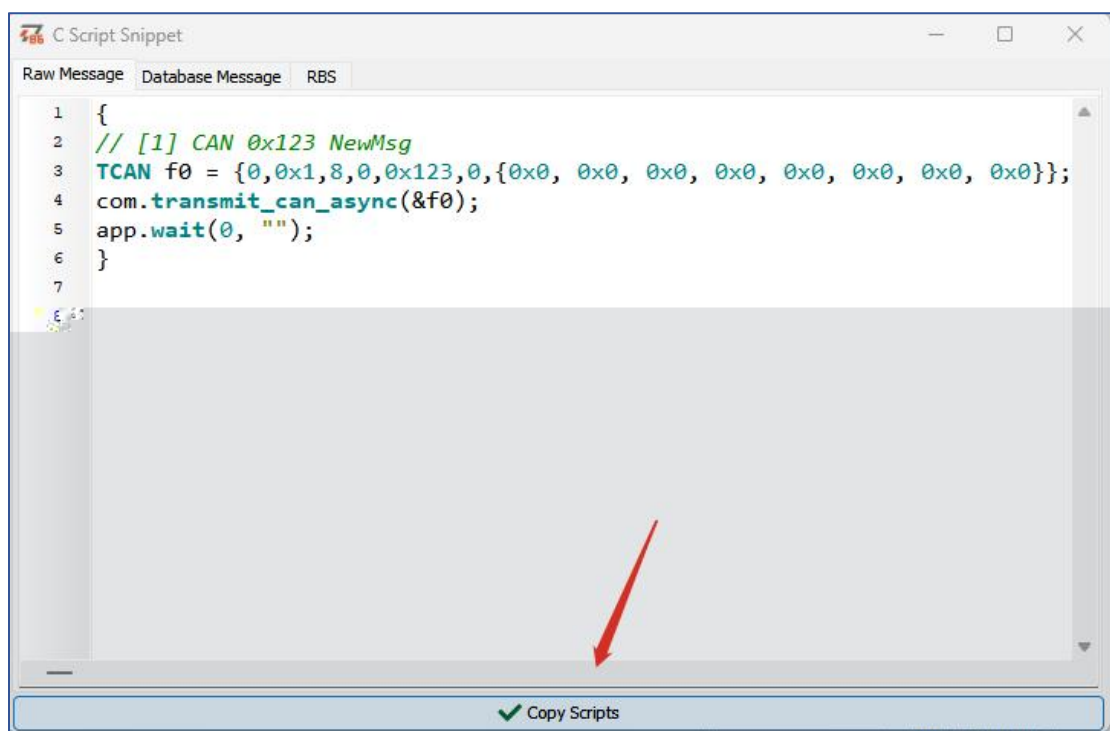
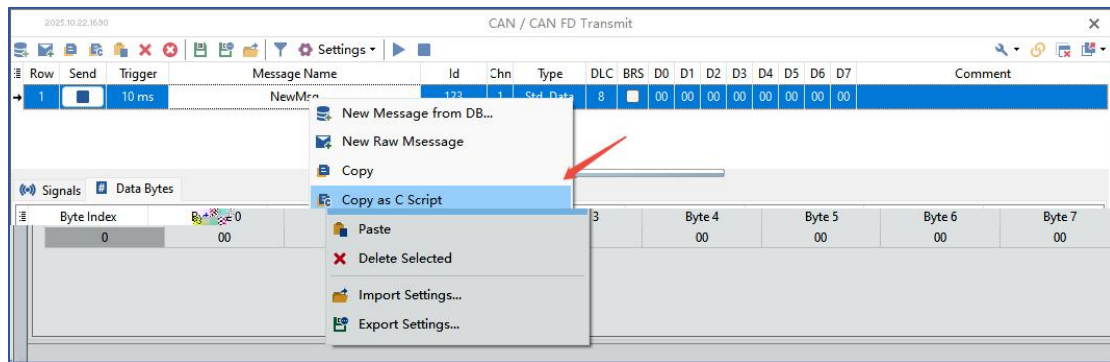


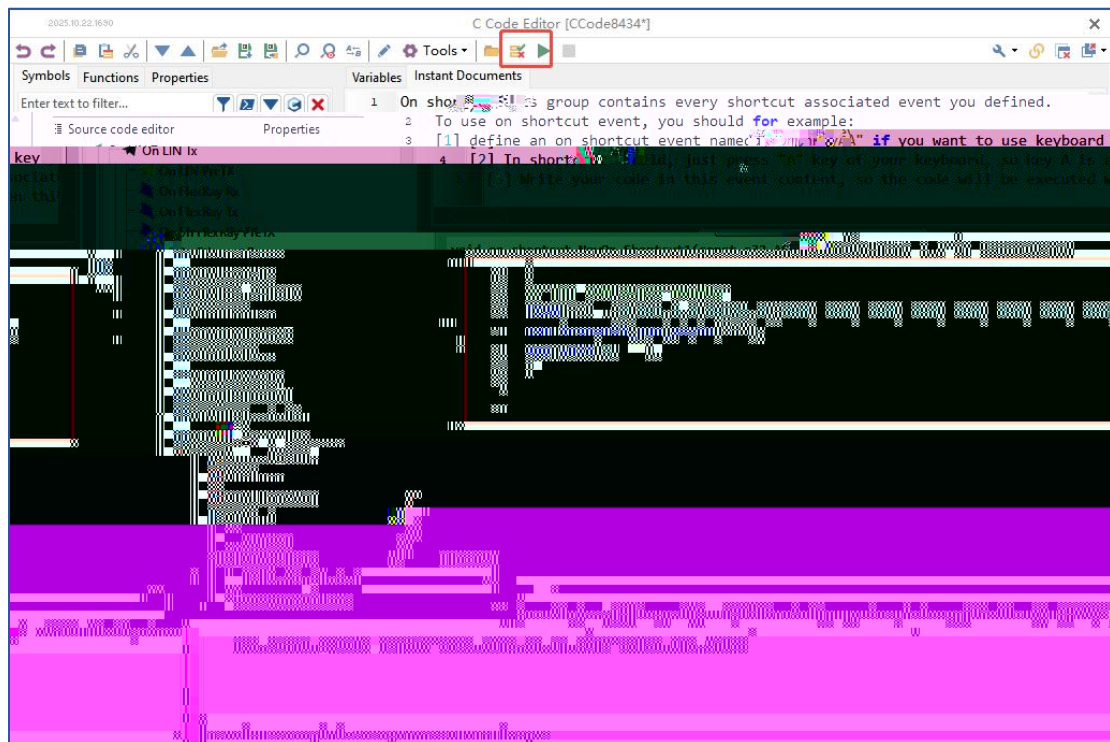
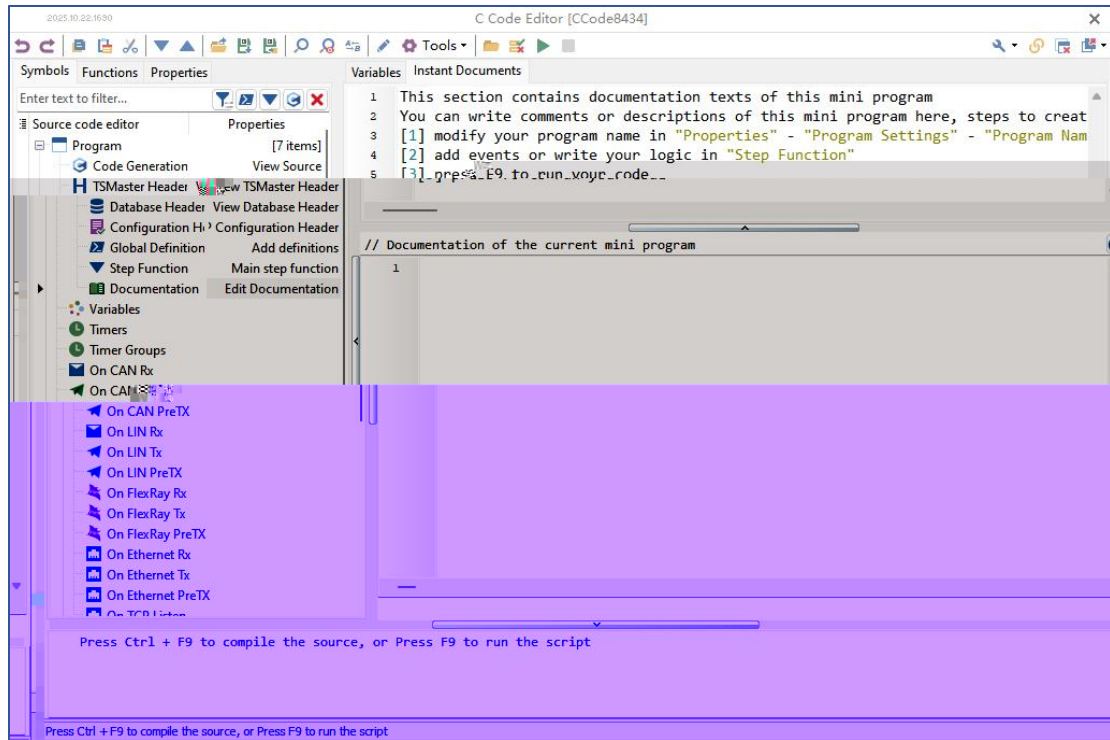




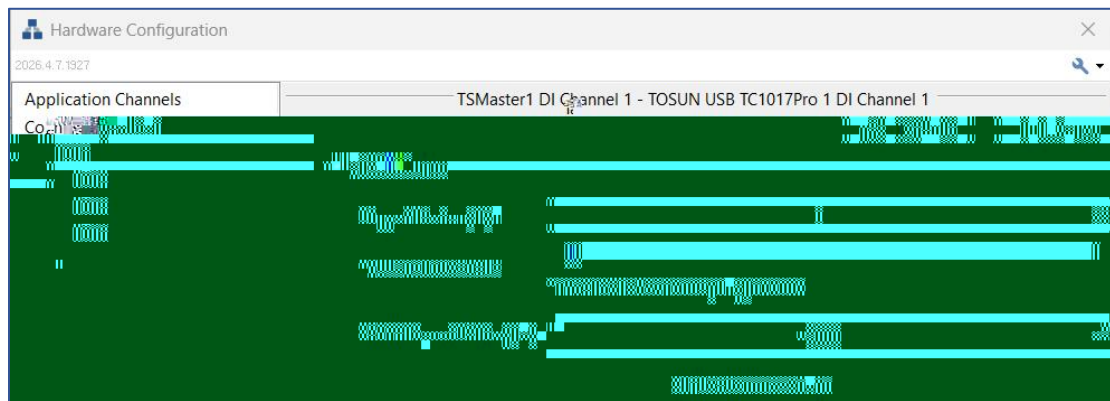
| CAN Statistics       |           |
|----------------------|-----------|
| Statistics           | Channel 1 |
| Baud Rate [Kbps]     | 500       |
| Bus Load [%]         | 2.48      |
| Peak Load [%]        | 2.52      |
| Std. Data [fr/s]     | 98        |
| Std. Data [total]    | 540       |
| Ext. Data [fr/s]     | 0         |
| Ext. Data [total]    | 0         |
| Std. Remote [fr/s]   | 0         |
| Std. Remote [total]  | 0         |
| Ext. Remote [fr/s]   | 0         |
| Ext. Remote [total]  | 0         |
| Error Frames [fr/s]  | 0         |
| Error Frames [total] | 0         |
| Controller State     | Active    |
| Tx Error Counter     | 0         |

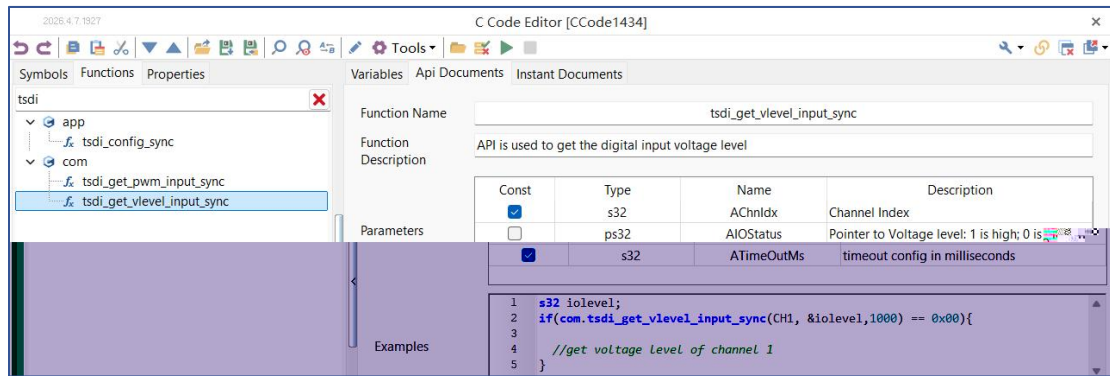
➤ **Via C Script**





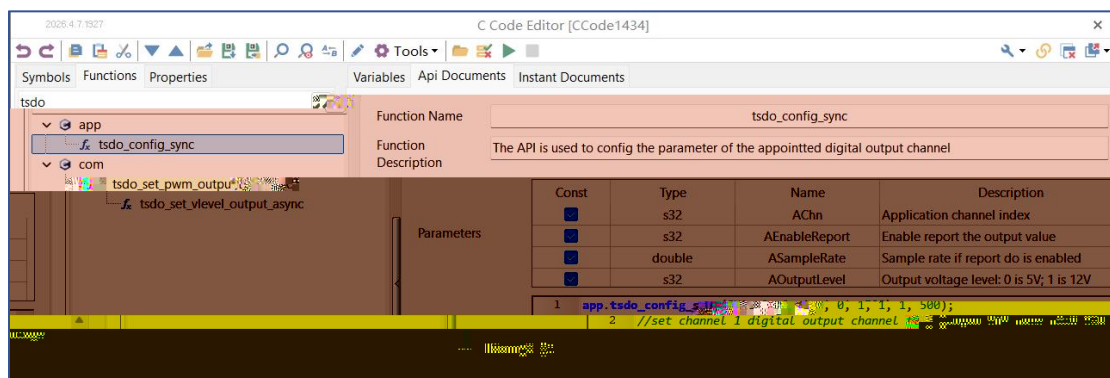
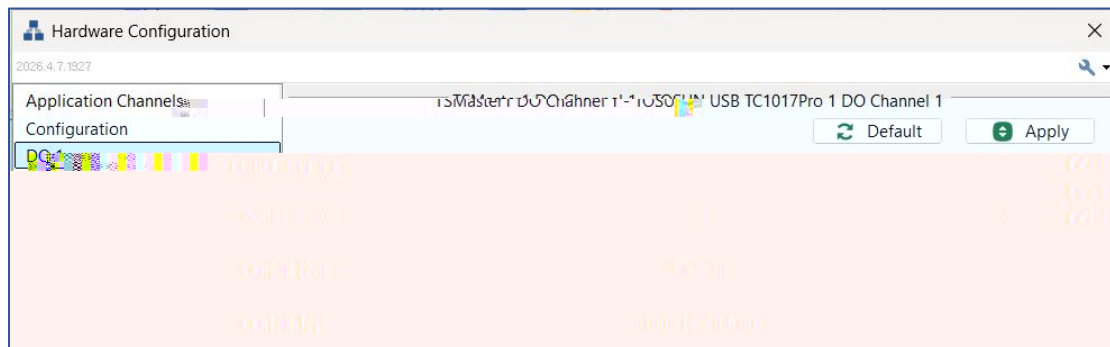




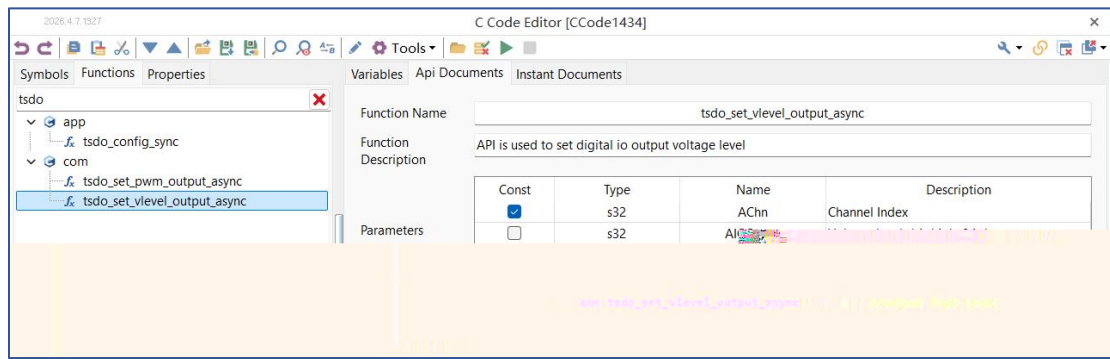


### 2.3.2.2. DO Output

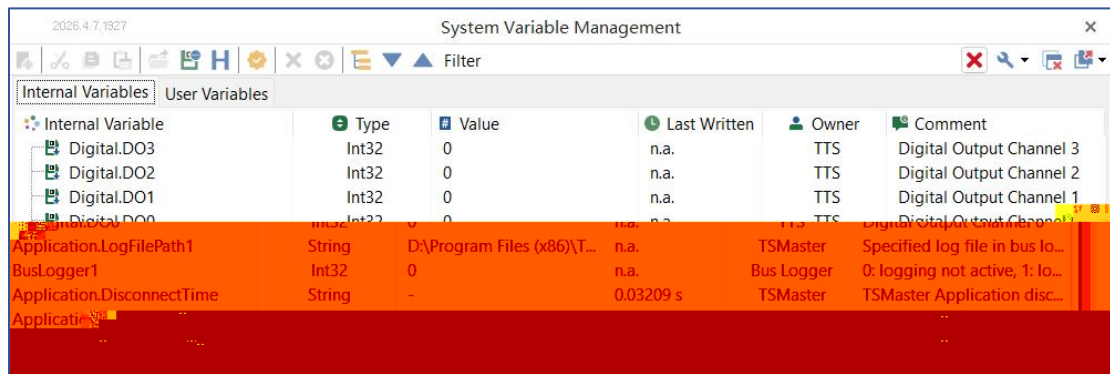
#### ➤ DO Parameter Configuration



#### ➤ DO Output Level Configuration

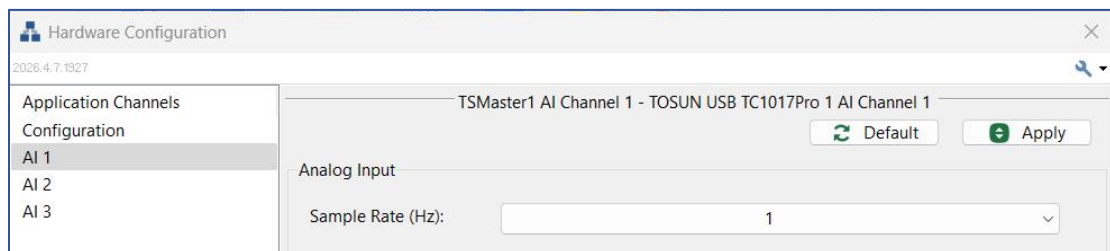


## ➤ DO Signal Acquisition



## 2.3.2.3. AI Acquisition

### ➤ AI Parameter Configuration





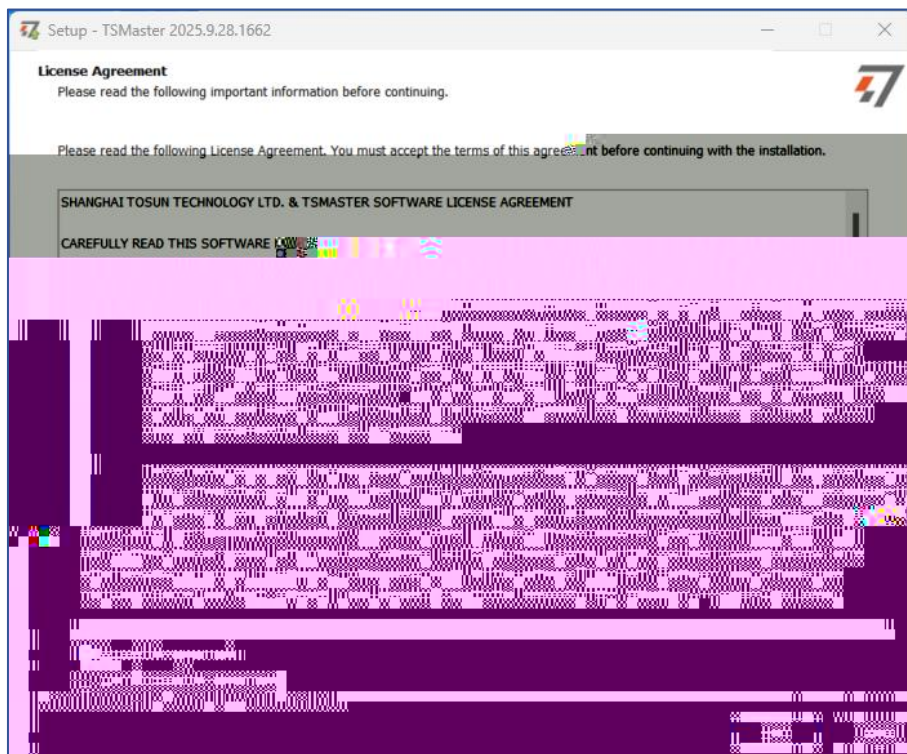
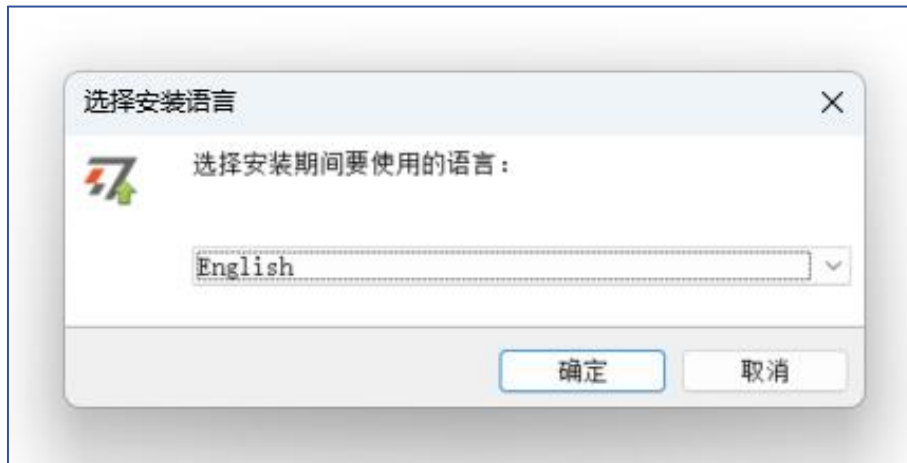
## 3. Appendix

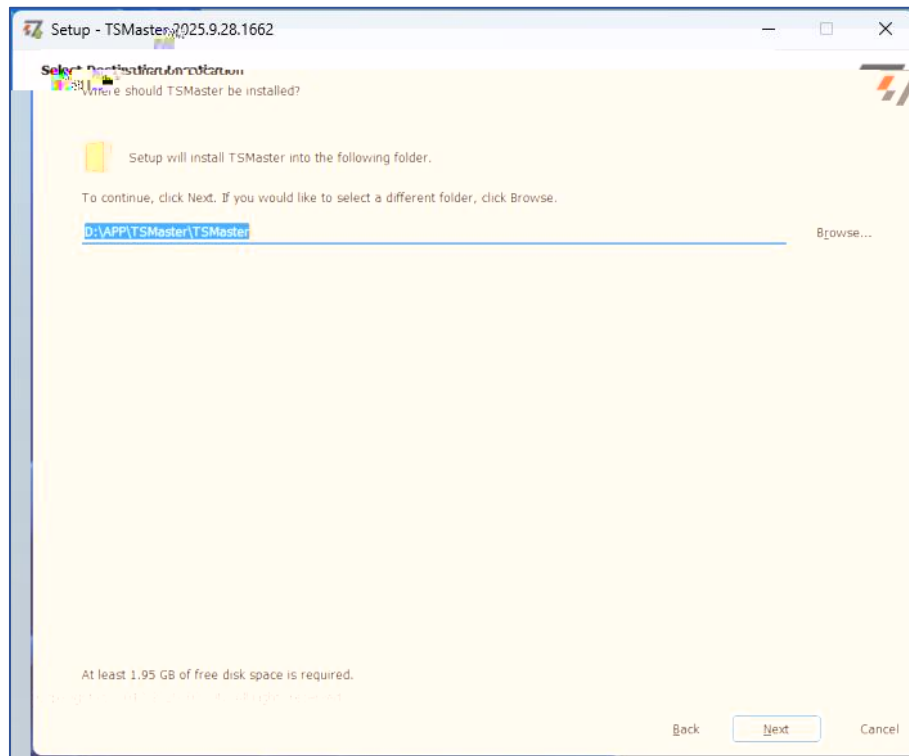
### 3.1. Software Installation

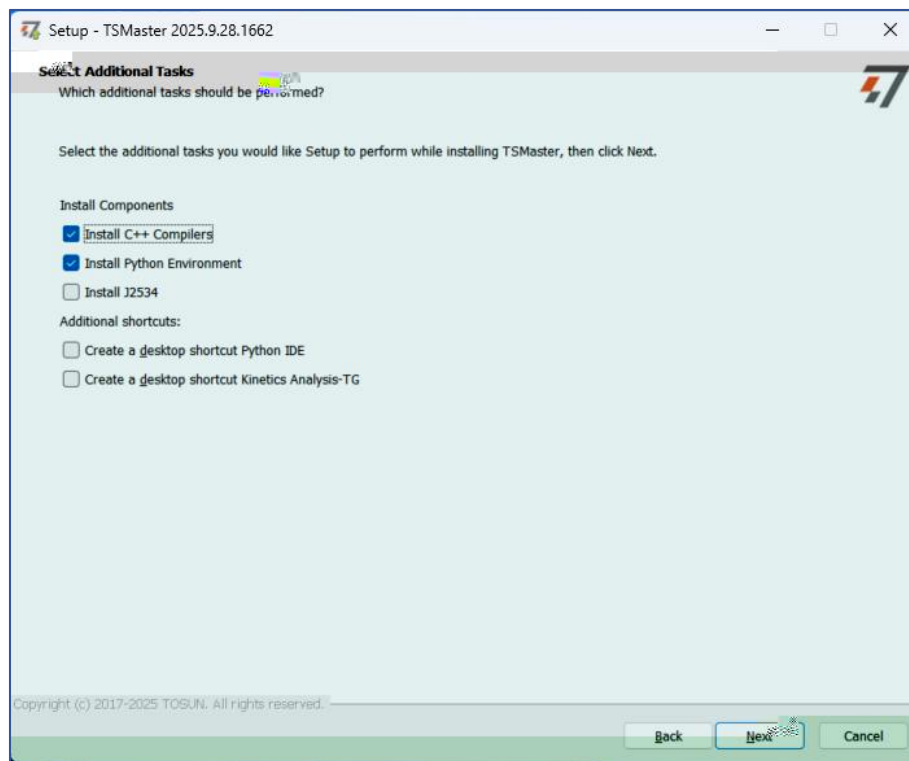
- TSMaster Software Download

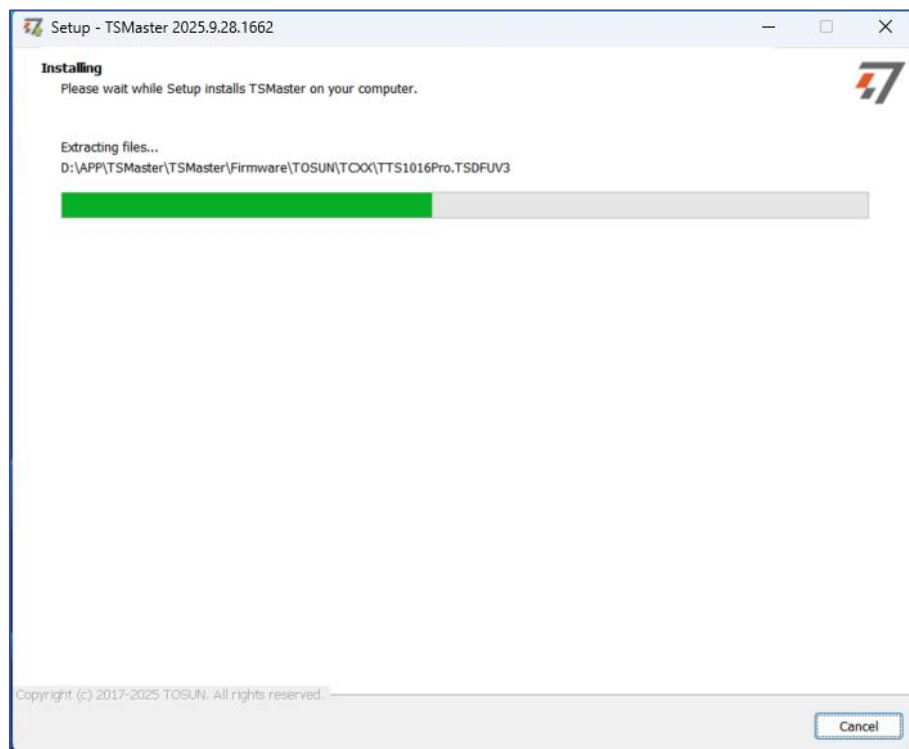
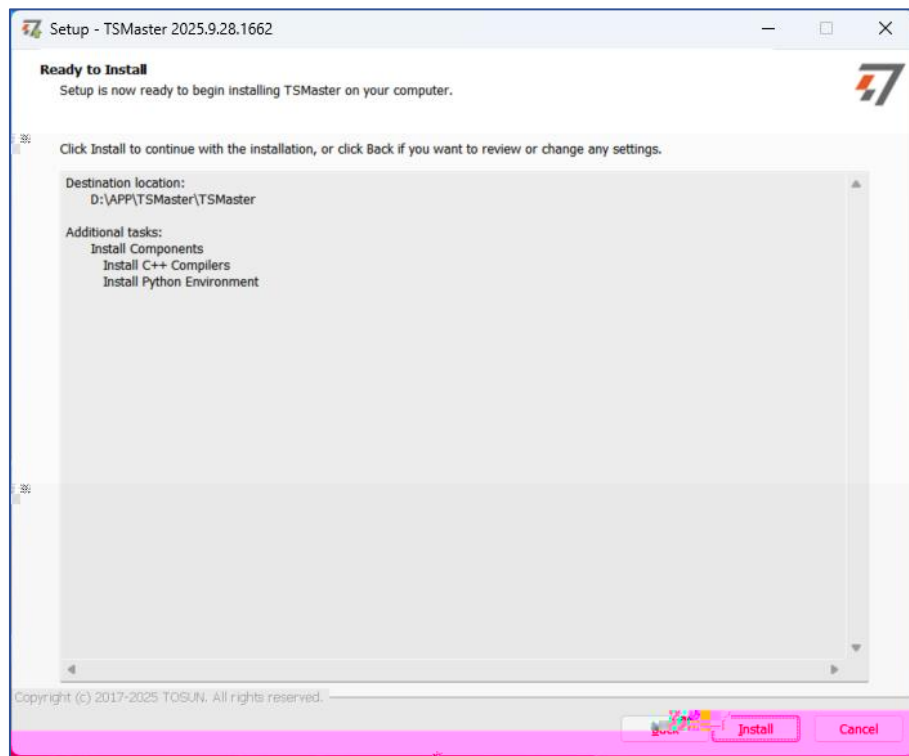


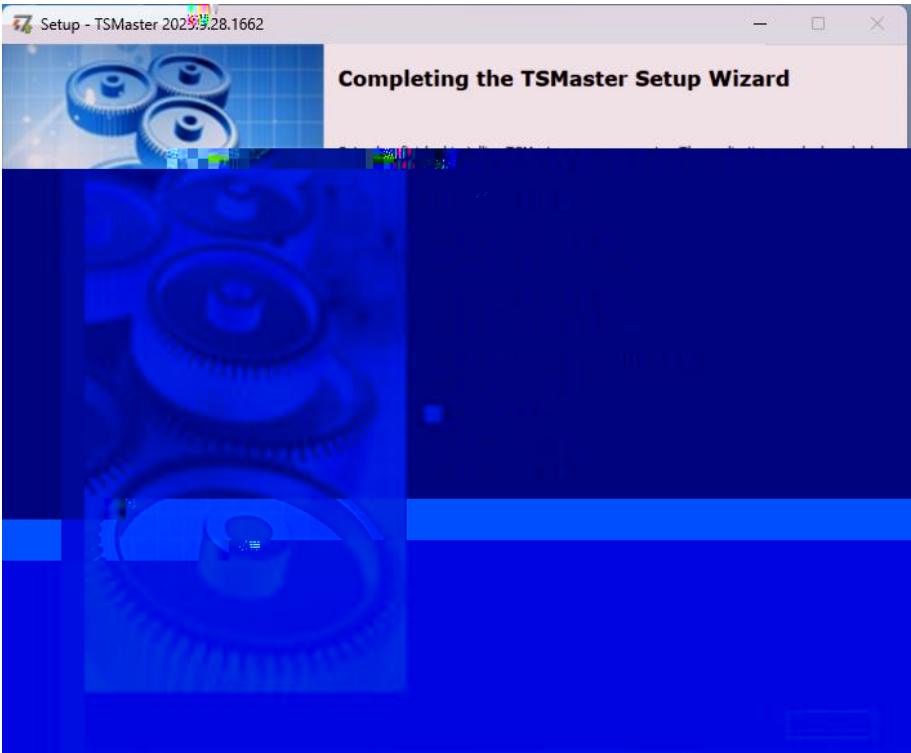
- Software Installation











## 4. Inspection and Maintenance

### ➤ Power Environment Inspection

| Item | Check Content | Standard/<br>Range | Action/Measure |
|------|---------------|--------------------|----------------|
|      |               |                    |                |
|      |               |                    |                |
|      |               |                    |                |

### ➤ Contamination & Protection Check

| Item | Check Content | Standard/<br>Range | Action/Measure |
|------|---------------|--------------------|----------------|
|      |               |                    |                |
|      |               |                    |                |
|      |               |                    |                |

➤ Mechanical Stress & EMI Check

| Item | Standard/<br>Rang | Action/Measure |
|------|-------------------|----------------|
|      |                   |                |
|      |                   |                |

