

Device Parameter

Working Voltage: DC 12V
Working Current: Non-loaded <200mA
Working Temperature: -20°C - 50°C (-4°F - 122°F)
Working Humidity: 10% - 90%
Power Consumption: <3W
Size: 123 x 120 x 20mm (4.84 x 4.72 x 0.79in.)
Communication Mode: TCP/IP
Communication Rate: 10/100M (TCP/IP)
Extension Communication: RS485
Users Capacity: 20,000
Users Capacity: 70,000 records
Max. Doors: 2
Dry Contact Input: 6
Dry Contact Output: 3
Access Group: 200 Groups
Default IP Address: 192.168.0.245
Default Communication Password: NULL

IMPORTANT: These access control panels (Version 2.0) are only compatible with access control panels (Version 2.0) and with the Titan VSAccess software. They are not compatible with access control panels (Version 1.0) nor with VSAccess software.

Basic Function

- First card open
- Multi-card open
- Anti-passback
- Multi-door interlock
- Card, password, card+password, card or password open mode
- Different time different open mode
- Transmission encryption setup
- Self-checking function
- Remote control
- Wiegand format can be self-defined
- Add card without software
- Multi-channel connection (max. 3 channels)
- Real-time events active or passive upload
- Arm/disarm by card
- Arm/disarm by software
- Relieve alarm by software
- Multi-event linkage alarm
- One event related to multi-relay trigger
- Alarm delay turn off
- Capacity can be expanded
- Self-defined door lock relay
- Self-defined control door quantity
- Door latch mode
- Active door normal open mode by card
- Timed automatic normal open mode
- Timed invalid for exit button
- Normal open time
- Normal open holiday forbidden schedule
- Access time schedule
- Forbid access holiday schedule
- Door lock delay setup
- Access group setup
- Threaten code setup
- Force open/close door
- Open door by software
- Relieve normal open by card
- Relieve card and card valid date setup
- Expand RS485 communication
- Real-time monitoring door and relay state



Commercial Access Control VIS-AXESS-2D-ETL-PCB



User Guide



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Wiring Introduction

Wiring Position	Wire Model	Remark
Power Supply - Access Controller	RVV2*1.0	Distance < 100M
Access Controller - Reader	RVV4*0.5	Distance 60M, max. can not over 100M.
Access Controller - Electric Lock	RVV4*1.0 (Door-magnet feedback)	Distance < 150M
Access Controller - Exit Button	RVV2*0.5	Distance < 200M
Access Controller - IR Alarm	RVV2*1.0	Distance < 200M
Access Controller - Sound-light Alarm	RVV2*1.0	Distance < 150M
RS485 Communication Cable	RVVP2*1.0	Distance < 1000M, shield layer connect to ground
TCP/IP Communication Cable	CAT-5	Distance < 100M

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Connection

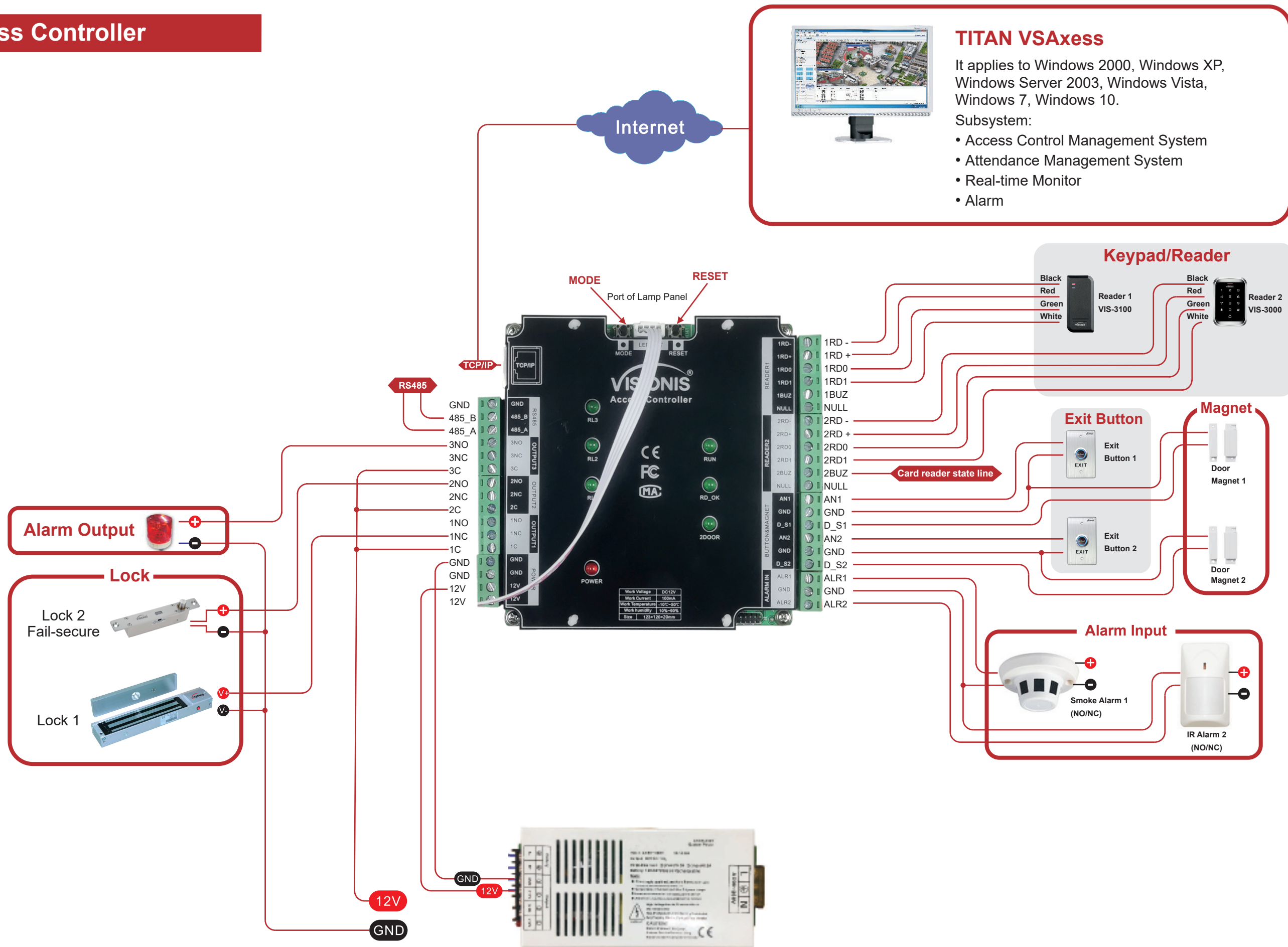
I/O	Device	Standard	Quantity	Setup
Input	Reader	Wiegand 26-40	2	as function
Output	Electric Lock	Switch Signal	1/2	as doors
Input	Door-magnet	Switch Signal	1/2	Support
Output	Sound-light alarm	Switch Signal	1/2	
Input	IR Sensor/Smoke Sensor/Others	Switch Signal	2	
Input	Exit button	Switch Signal	1/2	Support
Input	RS485 device	Communication	1	

LED&Button Instruction

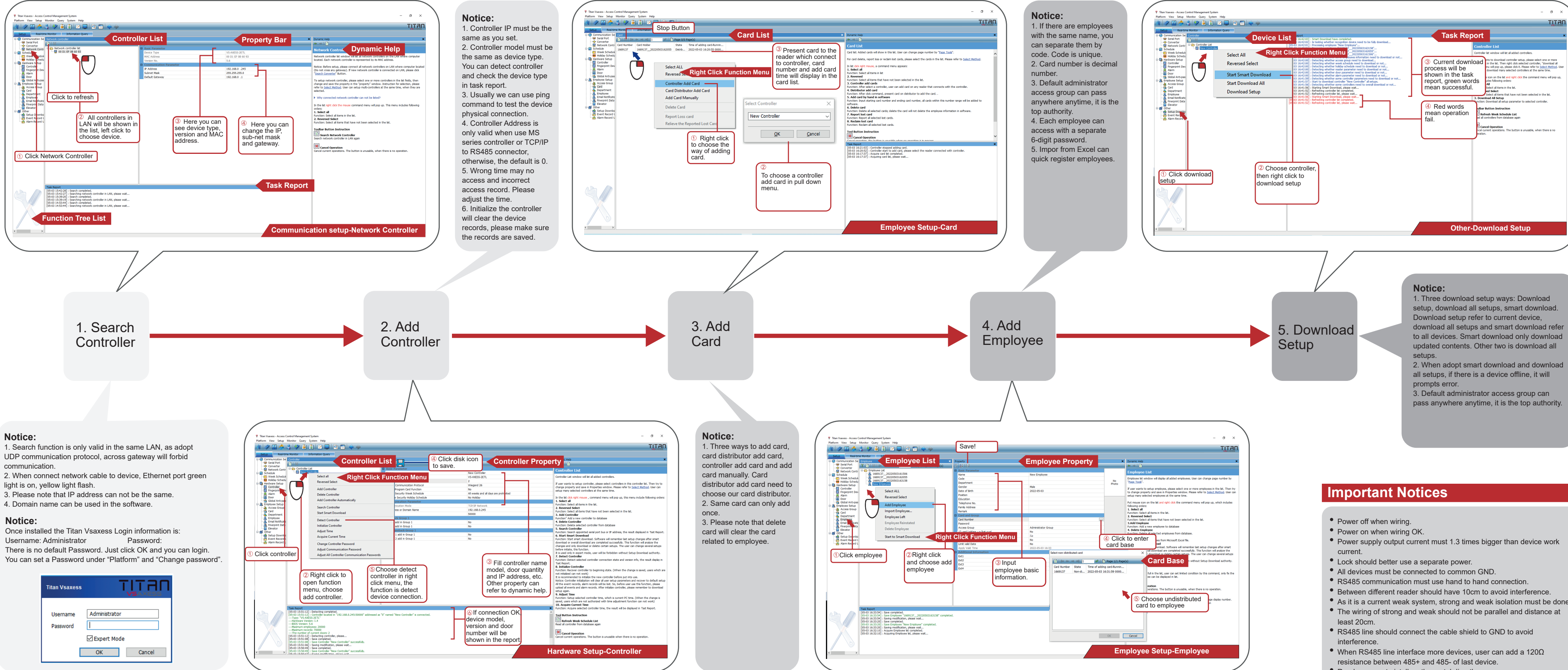
LED	RL1	RL2	RL3
One-door	Lock1	Magnet Alarm1	Alarm Output1
Two-door	Lock1	Lock2	Magnet Alarm1

- Power: 12V power LED
- RUN: Device run LED
- RDOK: Read card status LED
- 2DOOR: The status LED of 2 doors
- RDOK + RUN: Device enter online upgrade mode.
- RESET Key: It is used to reboot device and clear communication password. After power off, power on device again and press RESET button for 3 seconds, then you can clear communication password

Wiring Diagram of Access Controller



Quick Start



Important Notices

- Power off when wiring.
- Power on when wiring OK.
- Power supply output current must 1.3 times bigger than device work current.
- Lock should better use a separate power.
- All devices must be connected to common GND.
- RS485 communication must use hand to hand connection.
- Between different reader should have 10cm to avoid interference.
- All it is a current weak system, strong and weak isolation must be done.
- The wiring of strong and weak should not be parallel and distance at least 20cm.
- RS485 line should connect the cable shield to GND to avoid interference.
- When RS485 line interface more devices, user can add a 120Ω resistance between 485+ and 485- of last device.
- Reader can not nistal on the metal directly.