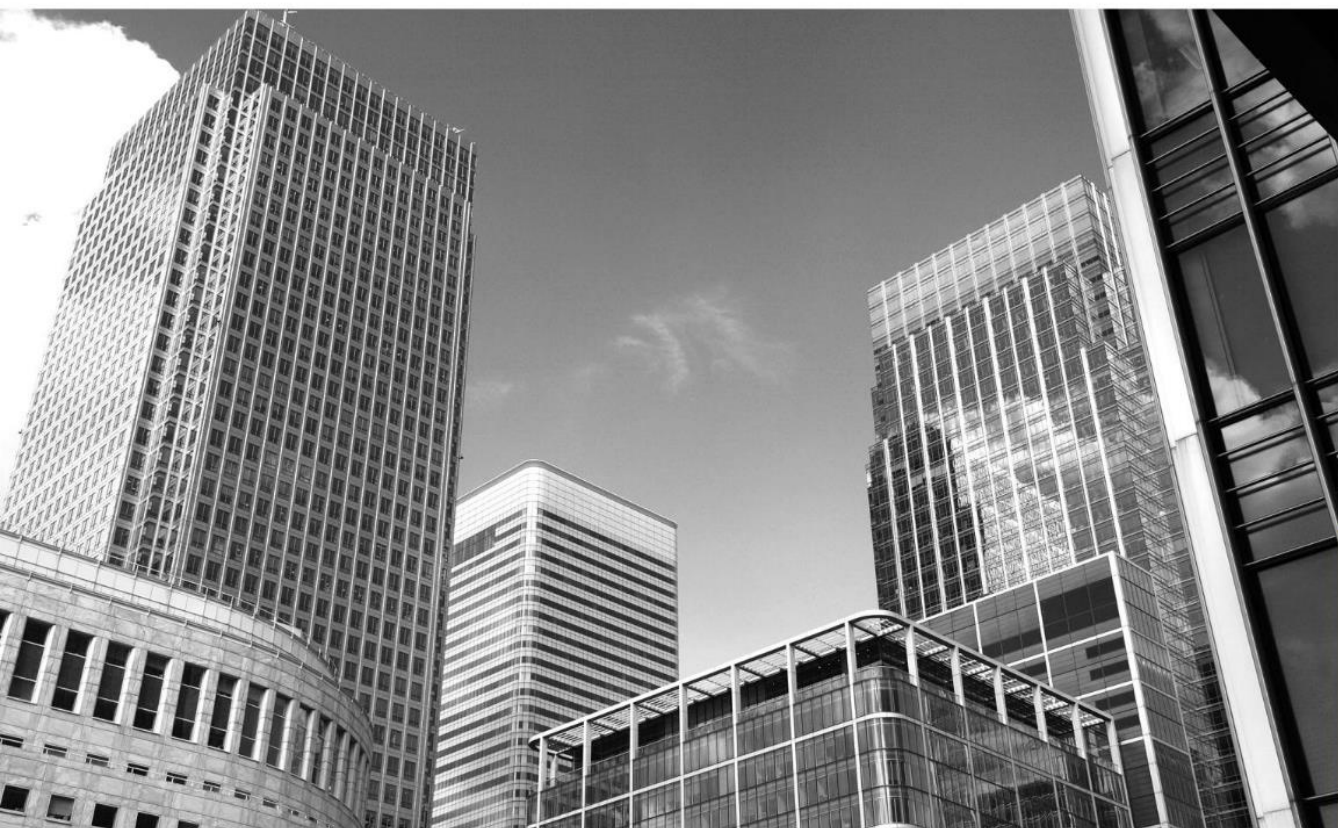




微光互联  
二维码扫描专家



# CC101

## User manual

Please read it carefully  
and keep it properly.

- ✓ Simple gate double control
- ✓ Intelligent access control management
- ✓ Large capacity pass record storage





## About manual

This manual mainly introduces CC101 product functions and wiring instructions. For the cloud platform operation instructions, you need to read the cloud platform operation guide.

The pictures in this manual are for reference only. In case of any discrepancy between individual pictures and actual products, the actual products shall prevail. For the upgrade and update of this product, Beijing Vguang Internet Technology Co.,Ltd reserves the right to modify the document at any time without notice.

The risk of using this product shall be borne by the user. To the maximum extent permitted by applicable laws, Beijing Vguang Internet Technology Co.,Ltd shall not bear any responsibility for the damage and risk caused by the use or inability to use this product, including but not limited to direct or indirect personal damage, loss of business profits, trade interruption, loss of business information or any other economic losses.

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## Edit history

Change date	Version	Description	Responsible
2022. 1. 11	V1.0	Initial version	

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# 1. Preface

Thanks for using the CC101 access controller product. Reading this manual carefully can help you understand the function and features of this device, and quickly master the use and installation of the device.

## 1.1. Product introduction

CC101 access controller is a front-end controller required for the deployment of intelligent access control system. Combined with Vguang RS485 reading head and access control cloud platform, it can realize intelligent access control management, and has a series of functions such as personnel management, visitor management, remote door opening, flow monitoring, etc.

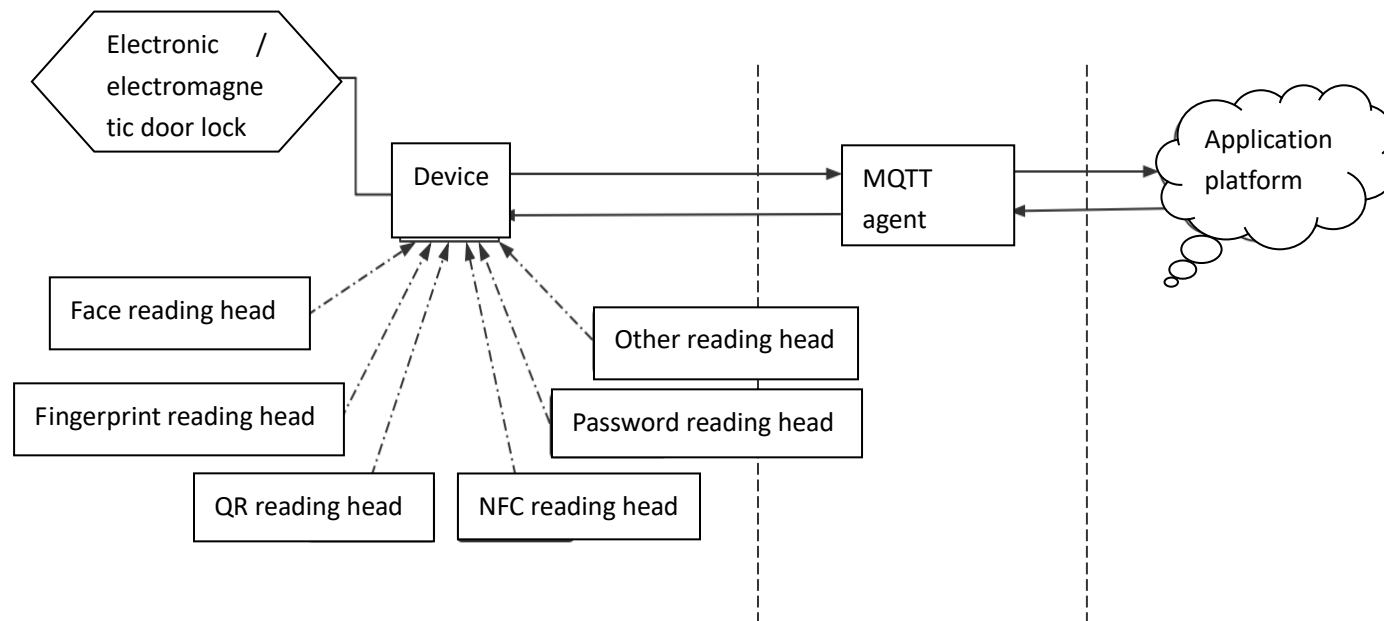
It is suitable for banks, hotels, office buildings, intelligent residential areas, factories and so on.

## 1.2. Product parameters

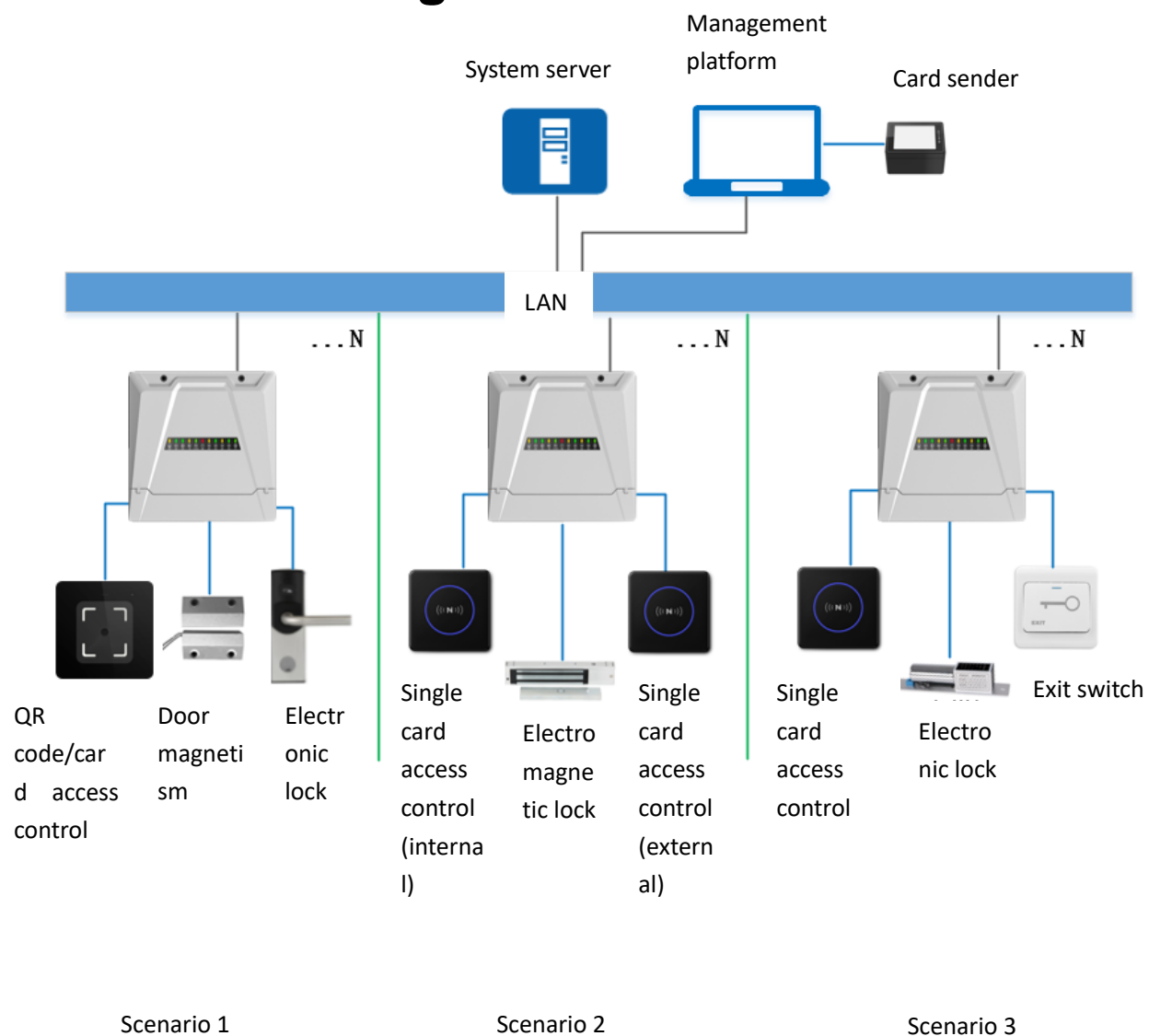
- Communication mode: TCP/IP, UDP, MQTT, RS485
- Supporting chassis size(cm): 191\*191\*43
- Supporting power supply: 12V DC 5A, optional POE power supply
- Reader input format:RS485 115200 BAUD
- Number of card readers available:A pair
- Controllable door output:A set
- Working temperature: -30 ℃-70℃
- Number of user registration cards: 100,000

- Record offline storage quantity: 100,000
- Data power off protection: High speed flash memory design, no data loss

## 1.3. Application scenario diagram



## 1.4. System connection diagram



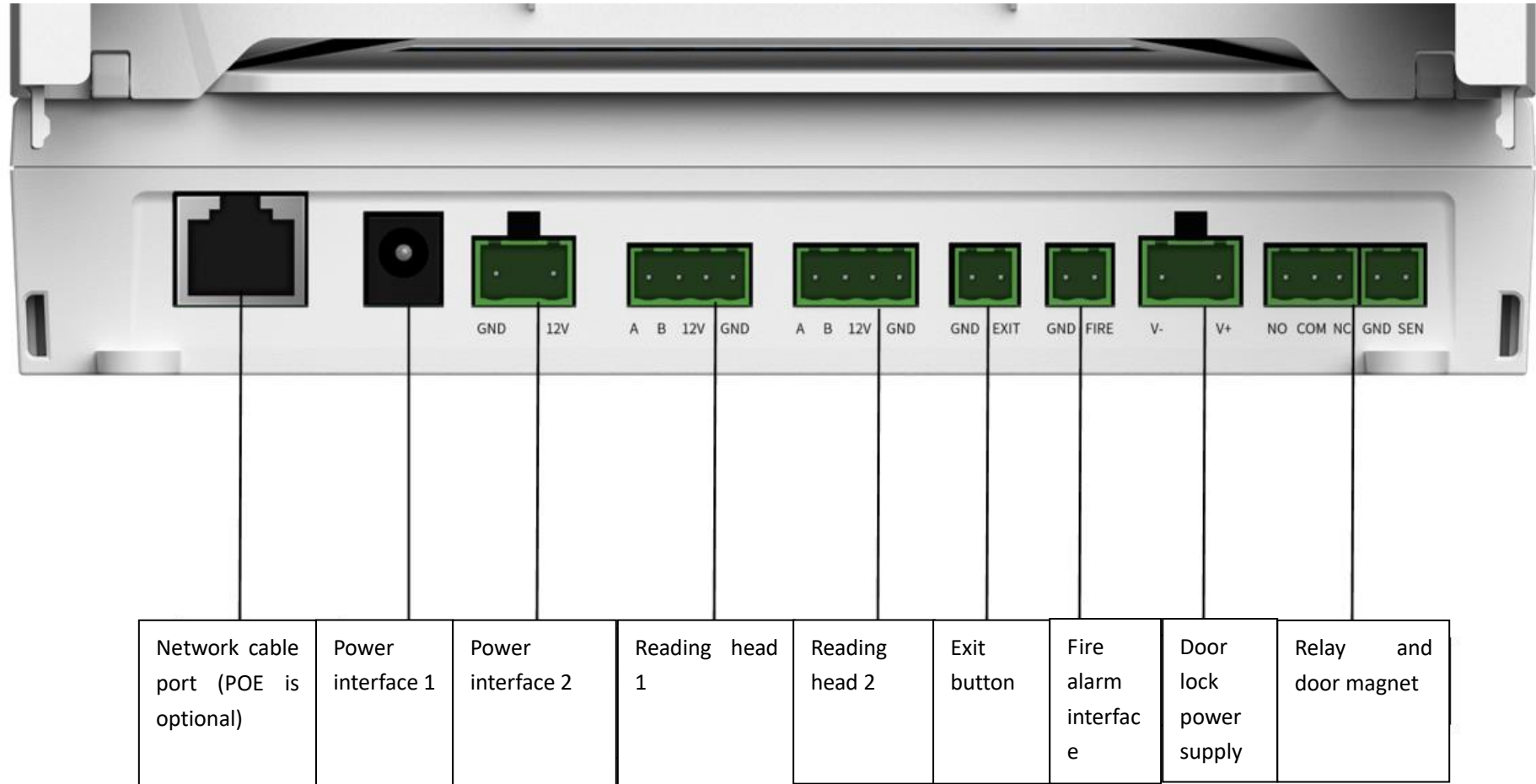
## 2. Appearance and interface

### 2.1. CC101 appearance drawing





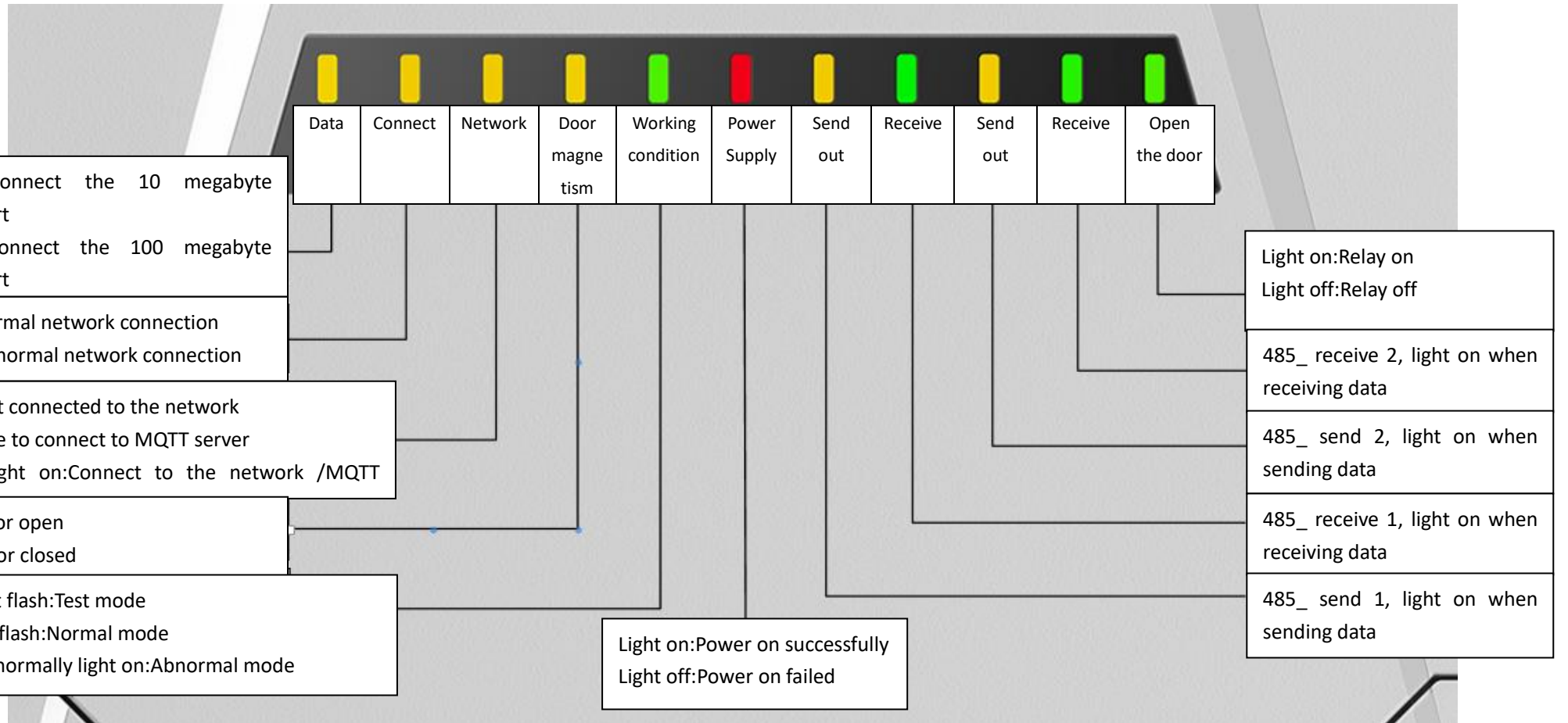
## 2.2. Connecting terminal description



## Port description list

Port number	Definition	Instructions		Description of line selection
1	Network cable port	Connect the network cable (Can customize POE version, support POE power supply)		More than six types of shielded network cables
2	Power interface 1	Connect the power adapter (Either power supply 1 or power supply 2)		18AWG*2PIN
3	Power interface 2	Connect external 12V power supply (Either power supply 1 or power supply 2)		
4	Read head interface 1	A	Connect the read head 485A	RVVP4*0.5
		B	Connect the read head 485B	
		+12V	Connect the read head VCC	
		GND	Connect the read head GND	
5	Read head interface 2	A	Connect the read head 485A	RVVP4*0.5
		B	Connect the read head 485B	
		+12V	Connect the read head VCC	
		GND	Connect the read head GND	
6	Exit button	GND	Connect the exit button	RVV2*0.5
		EXIT		
7	Fire button	GND	Connect the fire button	RVV2*0.5
		FIRE		
8	Door lock power supply	V-	Connect door lock power supply interface	RVVP*0.5 (The number of wire cores shall be selected according to the actual situation)
		V+		
9	Door magnetism	GND	Connect the door lock magnetic detection end (Not connect if there is no lock)	
		SEN		
10	Relay	NO	Normally open end	
		COM	Common end	
		NC	Normally closed end	

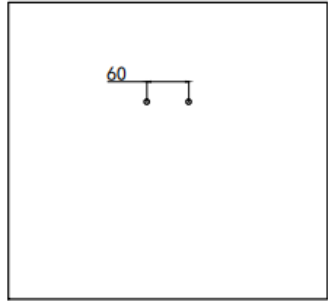
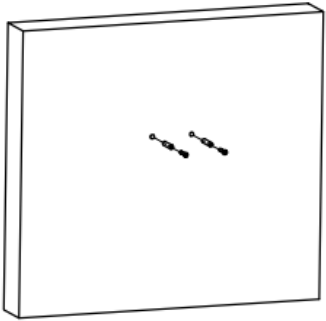
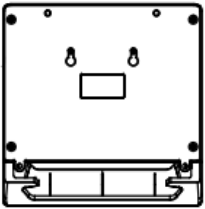
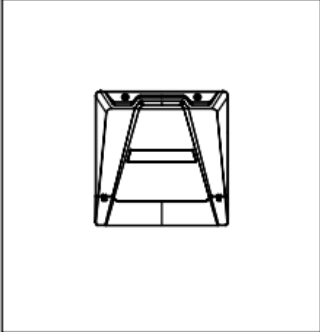
## 2.3. Meaning of control box indicator



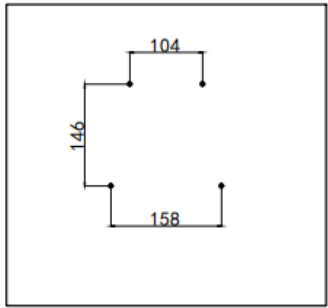
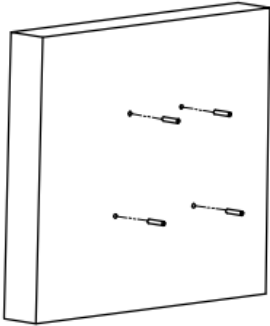
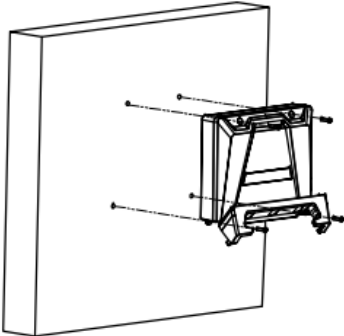

## 3. Control box installation and fixation

CC101 access controller can be installed in either of two ways according to the actual scene.

### 3.1. Wall mounted fixed installation

			
<p>Step1:Drill two holes on the installation wall, the spacing between two holes is 60mm.</p>	<p>Step2:Install the M4*30 plastic expansion pipe into the hole, and then screw the M4 screw into the expansion pipe.</p>	<p>Step3:Align the hoist hole on the back of the product with the screw, and then hang it on the installation wall. Pay attention to moving it down to ensure that the nut is stuck in the hoist hole.</p>	<p>Step4:Installation is complete.</p>

### 3.2. Screw installation

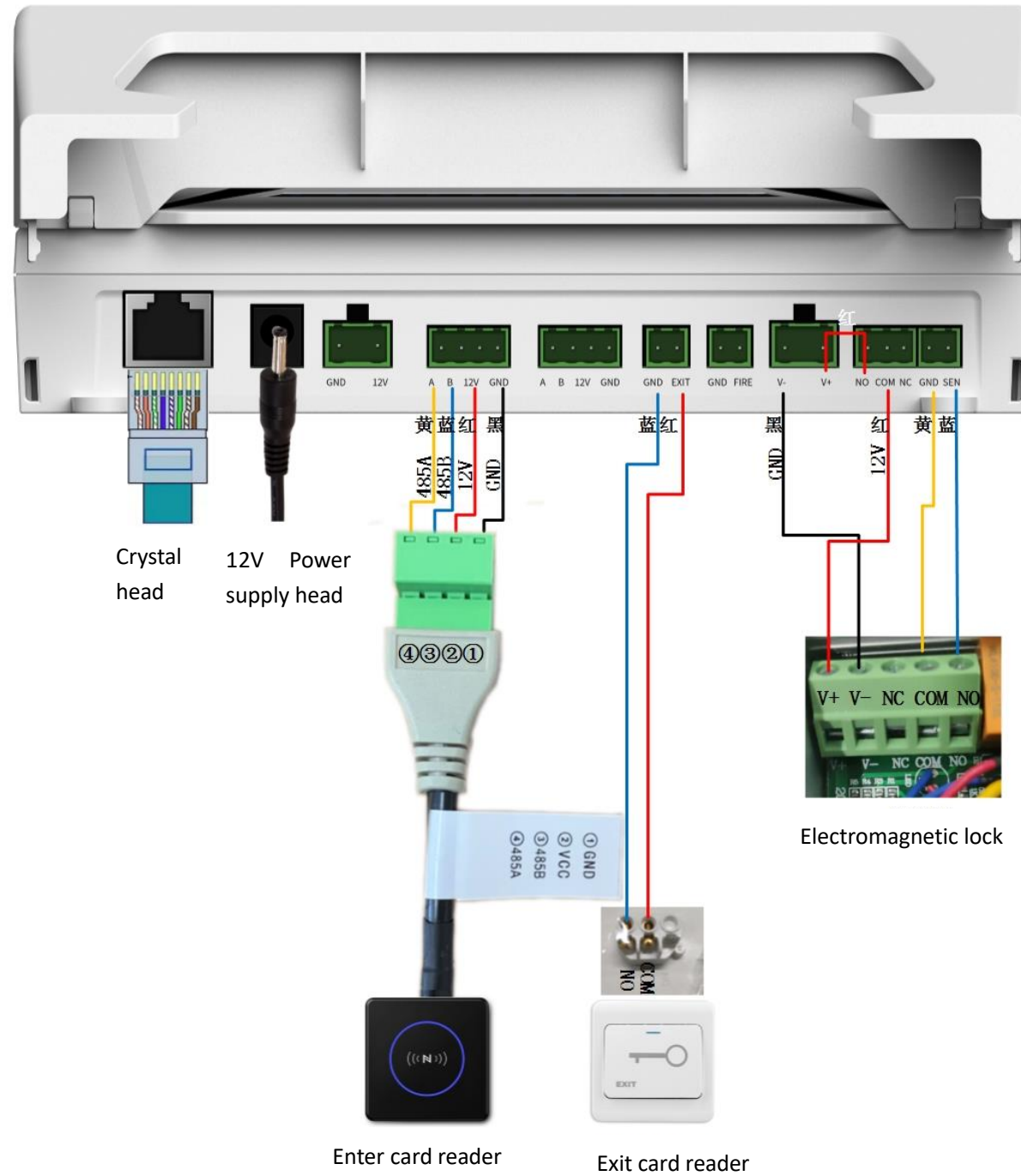
			
<p>Step1:Drill four holes on the installation wall, and the spacing between the holes is as shown in the figure.</p>	<p>Step2:Install the M4*30 plastic expansion pipe into the hole.</p>	<p>Step3:Fix the product to the installation wall with screws and tighten the screws. Screw specification: M4*30</p>	<p>Step4:Installation is complete.</p>

## 4. Wiring diagram of control panel

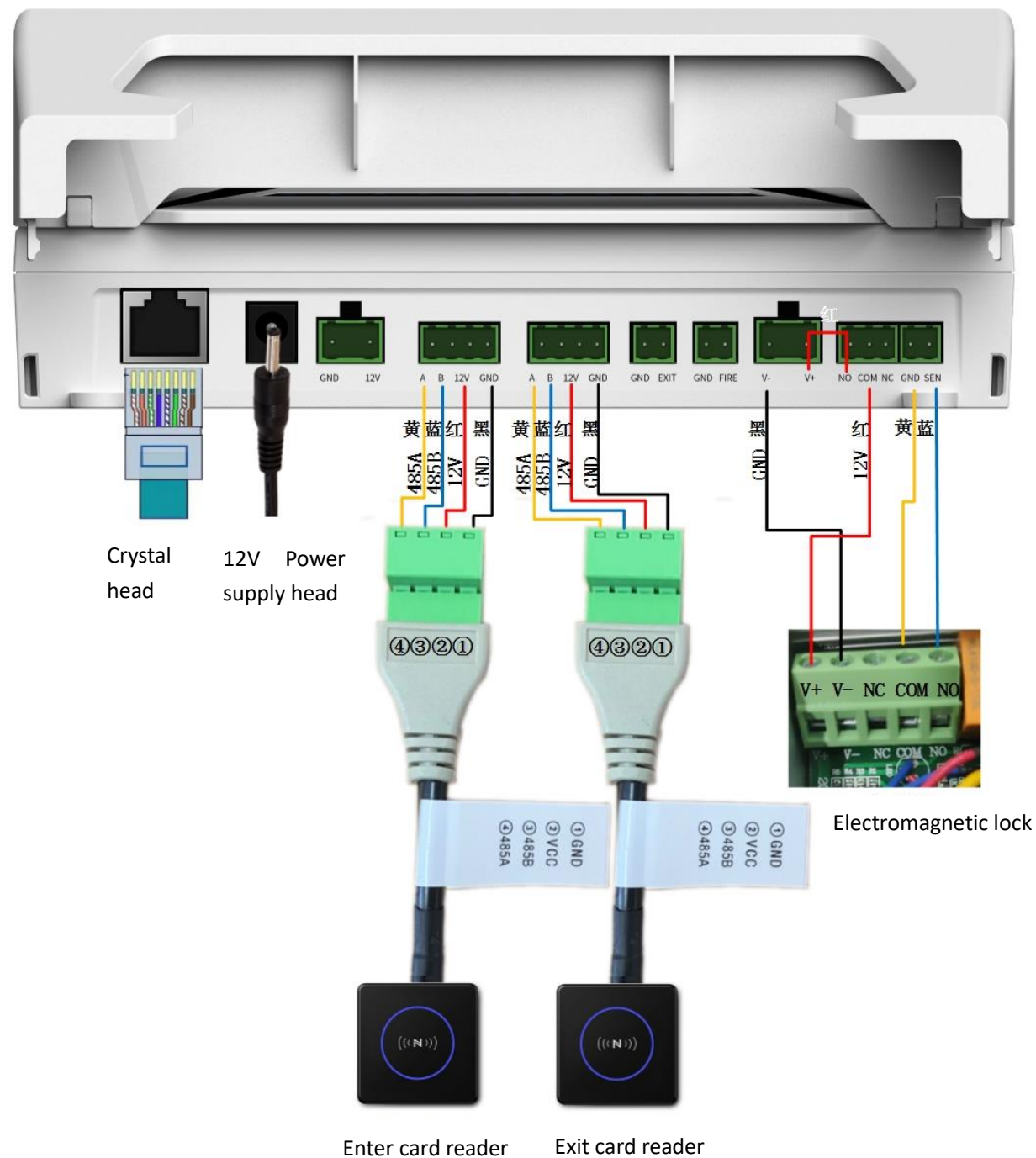
### 4.1. Wiring precautions

- Before installation, please turn off the external circuit (supply power to the system), including the door lock. Do not power on until the installation is completed.
- Before the device is powered on, please confirm that the output voltage of the power supply is within the specified voltage range.
- It is strongly recommended that the exposed part of all wiring terminals should not exceed 4mm. Professional wire clamping tools can be used to prevent accidental contact of long bare wires, which may cause short circuit and communication failure.
- Do not plug or unplug the terminal with electricity.
- Do not connect the controller and other high current devices to the same power socket.
- It is recommended to use wire connection device with specifications specified in the manual.
- Power supply: either power interface 1 or power interface 2 can be selected for power supply. If the controller has been configured to support POE, it can also be powered through the network interface.

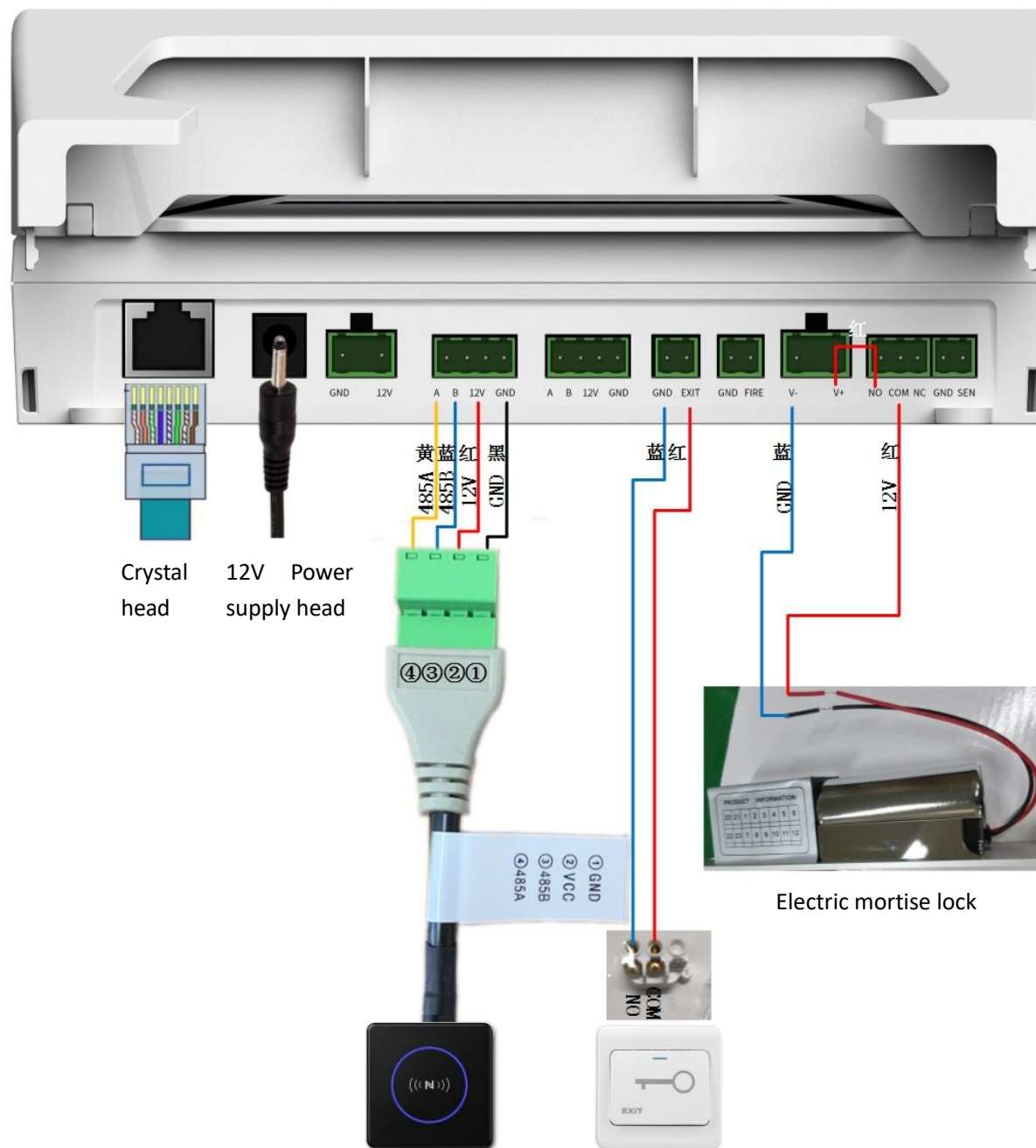
## 4.2. Wiring diagram of single control electromagnetic door lock



## 4.3. Wiring diagram of dual control electromagnetic door lock



## 4.4. Wiring diagram of single control electric plug-in lock access control





## 5. Contact info

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