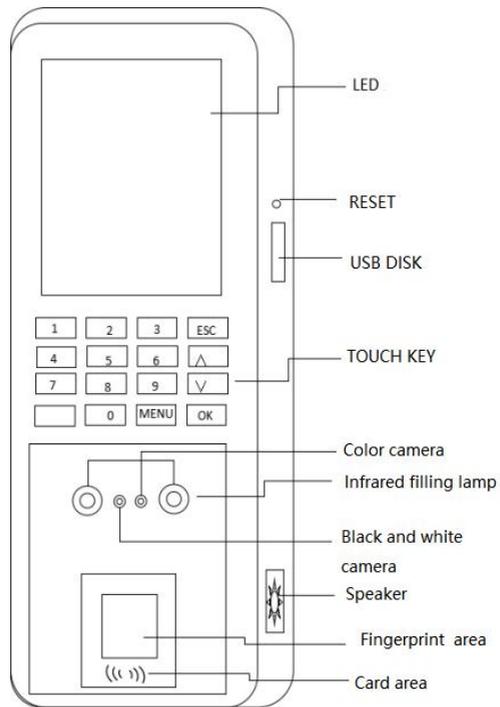


## I. Product profile

### 1.1 Product appearance



### 1.2 Key definition

- 1) 1~9 numeric keys: you can enter numbers or letters;
- 2) ESC key: cancel or return;
- 3) ^ and v keys: select up and down;
- 4) doorbell key: doorbell key or switch input method;
- 5) MENU key: enter the main menu and delete function;
- 6) OK Key: Confirm OK;

### 1.3 Performance parameters

Model	Face - fingerprint - access control
Camera	Color + infrared dual camera
Lighting	Infrared lights
Fingerprint capture instrument	Optical sensors
Display	2.8 inch LCD screen
Press button	16 Touch buttons
TCP/IP	Yes
U disk interface	Yes
Voice output	Yes
Working voltage	DC 12V $\pm$ 5% (current : $\leq$ 1.5 A)
Working temperature	-10 $^{\circ}$ C ~ +60 $^{\circ}$ C
Humidity of work (RH)	20% ~ 80%
Face	300(Extensible :500)
Fingerprint/card/password	3000/3000/3000
User records/management records	100000
Certification	Fingerprint, face, password, card combination
Language	English
Access control function	Yes

## II. Use process

### 1. data management

**1.1. User Registration:** There are four ways to verify: face, fingerprint, password and card. Users must be registered before use. At registration, each user can only use a unique ID number. ID number is the number corresponding to the user information in the management software. Each ID number can register up to 1 face and 3 fingerprints ,1 set of passwords ,1 induction card.ID range is 1~65535.

**1) Face registration:** each user can register up to 1 face.

Under standby status, press the **MENU** key to enter the menu->Enroll->user->face->New Enroll-> input ID number and shifts-face alignment camera recording face information (according to screen prompts for different parts of

the face information)-save the registration successfully.

**2) Fingerprint registration:** each user can register up to 3 fingerprints.

Under standby status, press the **MENU** key to enter the **menu**-> **Enroll**->**user**->**finger**->**New Enroll**-> input ID number and shifts-press finger three times-save registration successfully.

**3) Password registration:** each user can register a set of passwords in addition to 3 fingerprints.

Under standby status, press the **MENU** key to enter the menu-> **Enroll** ->**user** ->**password** -> **New Enroll** -> input ID number and shifts -> input password - press the **OK** key - save the registration successfully.

**4) Proximity card registration:** each employee can also register 1 induction card.

Under standby status, press the **MENU** key to enter the menu-> **Enroll** ->**user** ->**card** -> **New Enroll** -> input ID number and shifts-the card number will be automatically filled in-> press the **OK** key-to save the registration successfully.

**1.2. Manager Registration:** Anyone can modify the access control machine without a registration administrator. When the administrator is registered, it must be verified by the administrator to enter the management menu to modify the access control machine settings. Therefore, it is recommended to register at least one administrator for daily management of access control machine data and settings. Enter the Manager Registration menu and register according to the prompt. The registration operation step of the manager is the same as of the user registration.

**1.3. User Edit:** Under standby status, press the **MENU** key to enter the menu -> **Enroll** -> **user edit** -> select user -> select edit item -> edit information -> press the **OK** to save the edit successfully. (Editable person information includes: name modification, shifts to use, shifts, new face, fingerprint, password, proximity card).

**1.4. Departmental Settings:** Product can be set up up to 20 departments, department name can be edited, the operation steps are as follows

Under standby status, press the **MENU** key to enter the menu -> **Enroll** -> **department** -> select edit department -> edit department information -> press the **OK** to save the edit successfully.

**1.5、 User Delete:** choose to delete a single user, or you can choose to delete all users, as follows:

Under standby status, press the **MENU** key to enter the menu -> **Enroll**-> **Delete/All Delete**-> delete user data / user enroll -> press the **OK** to confirm that the deletion is successful.

**1.6、 Delete records:** Select to delete all user entry and exit records and attendance records as follows:

Under standby status, press the **MENU** key to enter the menu-> **Enroll**-> **All Log Delete**-> press the **OK** to confirm that the deletion is successful.

**1.7、 U disk download:** export machine record and punch record with U disk, and export or import user and shifts information, the steps are as follows: Under standby status, Insert U disk -> press **menu** -> **Enroll** -> **download** -> Press **ok** 1) export personal reports; 2) full reports; 3) new records; 4) all records; 5) user registration information; 6) import user registration information; 7) export shifts; 8) import shifts.

**Warm Tips:**

1) Anyone can modify the product settings without a registered administrator. When the administrator is registered, it must be verified by the administrator to enter the management menu to modify the access control machine settings. Therefore, it is recommended to register at least one administrator for daily management of access control machine data and settings. Administrators can register directly in user management or modify user rights in user edit.

2) Non-administrator users(ordinary users), permissions can only be used for commuting attendance or door access.

3) Administrators include super administrators and registration administrators. "super administrator "has the highest authority, carry on any operation to the access control machine ;" registration administrator" management authority is inferior to "super administrator ", it can only carry on" user registration "," delete ordinary user registration data ", view "system information" and so on.

4) The administrator leaves or forgets the password, use the super administrator to enter the reset password (enter: press **MENU** key-> input registration number :**0**->

enter :1234-> press OK to enter the menu).

- 5) After finished registration, verify fingerprint to detect the validity of fingerprint registration. The detection method is to press the fingerprint you registered in standby state. If the identification is successful, your fingerprint are clear and the registration quality is good. If identification is difficult to identify, the quality of your registered fingerprint is not high or the fingerprint pattern is not good, you need to re-register or replace another fingerprint to register.
- 6) Equipment should be installed indoor. If install outdoor, keep out of the sun and rain, avoid infrared, strong light exposure to the camera.
- 7) Power cord and access control wiring should avoid interference as far as possible.
- 8) Installation height can be installed according to the application scene, recommended installation about 1.2 meters.

## 2. Setup

For setting system parameters. Click [MENU]→[Setup] to enter its menu, including 4 items: system setup, attendance setup, communication setup, record setup.

System settings	Total managers	Scope 1-10
	Language	Traditional Chinese - Simplified Chinese - English
	Time settings	Press up and down to set date-time, week automatically adjusted
	Time format	Y/M/D,D/M/Y,M/D/Y
	VoiceOut	Set Yes or No
	Maximum registration number length	Scope 1-10
	Initial Setup	
	Standby time	Setting range 0-1800
	firmware update	
attendance setup	Attendance Shift Setup	10 shifts can be set, each shift can set a specified time point
	Cross Day Settings	Set attendance time points across days
Communication settings	Device ID	Setting range 0-255
	baud rate	9600,115200,57600,38400,19200(optional)
	Port No	Setting range 1-9999
	Password	Setting range 0-999999 0 means no password is set
	IP address	Automatically Gets No by default :192.168.001.010
	Subnet mask	Default :255.255.255.0

	Gateway	Default :192.168.001.001
	DHCP	Optional yes or no
	View Network	Search WiFi hotspots
Record settings	Management record warning	Setting range 0-255
	Access Warning	Setting range 0-1500
	Repeat Verify time	Setting range 0-999

### 3. Lock Set(Access Control)

Used to set user permissions. Click [MENU]→ [Lock Set]to enter its menu, the menu contains 9 settings: unlock,open over, illegal door open,pass time set, group time, user setting, threat act, threat warn, Wiegand format.

Open door delay		Set range 0-255, do not open when set to 0
Opening timeout warning		Set range 0-3600 without warning when set to 0
Illegal opening warning		Set range 0-255, set to 0 without warning
Timing		Can set 1-50 periods, each period is divided into 7 groups
Time group settings		Number of validators, valid time periods, validation mode can be set
User control settings	Type	Set user usage type: attendance, access control
	Time group	Setting range 1-30
	Enable user identification pattern	Optional yes or no
	Verification pattern	Set: face-fingerprint-password-card or other 2-3 combinations
	Enable user validity	Optional yes or no
ThreatAct	Effective when setting a third stress fingerprint	Whether or not to select the output alarm signal under stress
ThreatWarn	Open door	When stressed, whether to output the door signal, can set yes or no
	Alarm	Whether or not to output an alarm signal under stress can be set yes or no
	Door + alarm	Whether or not to output both door opening and alarm signals when stressed can be set yes or no
Internal Read Set	Wiegand Input Format	Set 34 or 26
	Read card sequence	Set small or large ends
External read set	Wiegand Input Format	Set 34 or 26

	Read card sequence	Set small or large ends
Wiegand Output Format		Set 34 or 26
Card coding		WG34/WG26/ABA8/ABA10 can be set
Access control		Automatic control / timing tasks / door open / door closed
Tamper alarm		Set Yes or No
Alarm input 1	Disable	Set Yes or No
	Door + alarm	Set Yes or No
	Open door	Set Yes or No
	Alarm	Set Yes or No
Alarm input 2	Disable	Set Yes or No
	Door + alarm	Set Yes or No
	Open door	Set Yes or No
	Alarm	Set Yes or No

#### 4. Information Query

For searching machine information, press [MENU]→[ViewInfo] to enter its menu, including 2 items: view records and system information.

Viewing records		Check the attendance or opening record of the corresponding person according to the registration number
System information	User registration	Displays only the current number of registered records and can not operate
	Registration of managers	Displays only the current number of registered records and can not operate
	Face Registration	Displays only the current number of registered records and can not operate
	Fingerprint registration	Displays only the current number of registered records and can not operate
	Card Registration	Displays only the current number of registered records and can not operate
	Password Registration	Displays only the current number of registered records and can not operate
	Access records	Displays only the current number of entry and exit records and can not operate
	Management records	Displays only the current number of management records and can not operate
	Software version	Display current firmware version number

Access wiring diagram

