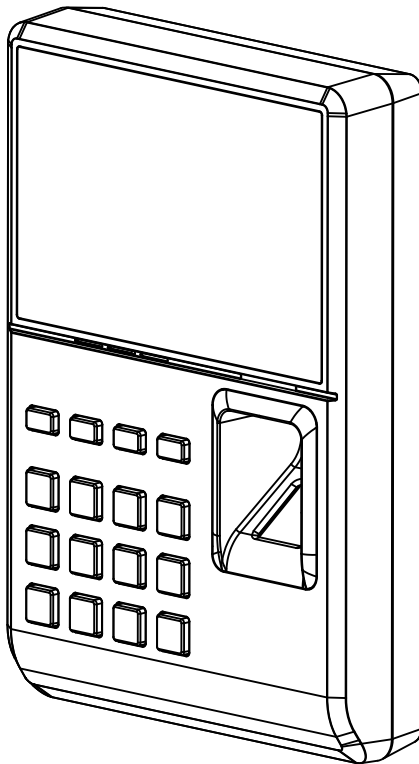# ANVIZ®

Intelligent Security

TC580 MULTI-FUNCTIONAL

HD Color Fingerprint & Card Time Attendance and Access Control

Quick Guide   V1.0

Features

* HD and brighter 3.2-inch TFT LCD, 512MB Flash, industrial high speed CPU
* Identification mode: Finger, Password, Card
* Cloud management system support
* Support webserver: basic setting, personal inquiry and management, records inquiry
* DDNS: Support dynamic domain name server which offers a pesistent domain name for non-static IP devices
* Support TCP/IP network communication, the access control data and events will push to the access control management software by real time.
* With 32 customize access control time zone and 16 permission groups make access control more easy
* Communication: PoE, TCP/IP, Wifi, RS485 and USB, 3G is optional
* Relay output for easy integration with scheduled bell ring or electric/magnetic lock system and Wiegand output for seamless integration with access controller
*Regstration capacity: 5000 Fingerprints and 100000 Records

Installation Guide

1. What's in the package?

1 Device

2 Instruction Package

3 Accessory Package

TC580 MULTI-FUNCTIONAL
HD Color Fingerprint & Card Time Attendance and Access Control
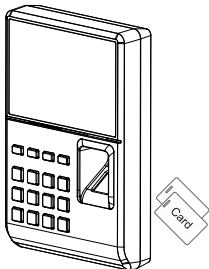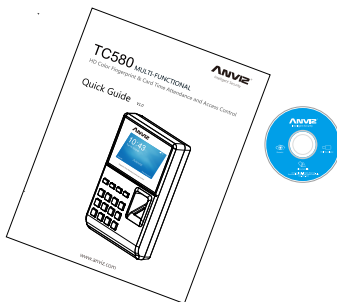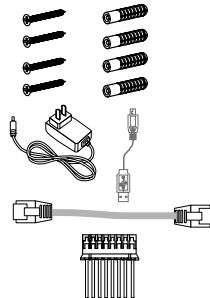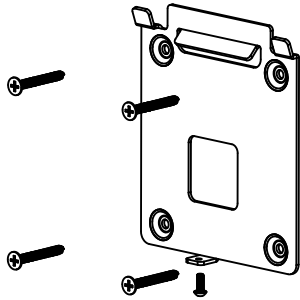
Quick Guide V1.0

ANVIZ

www.anviz.com

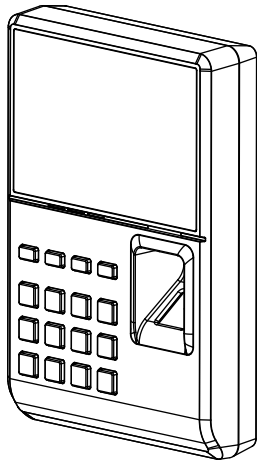Card

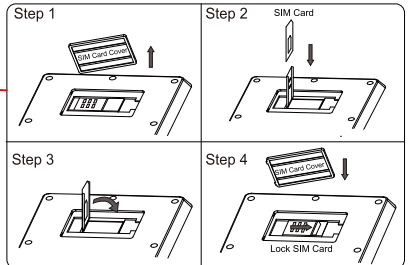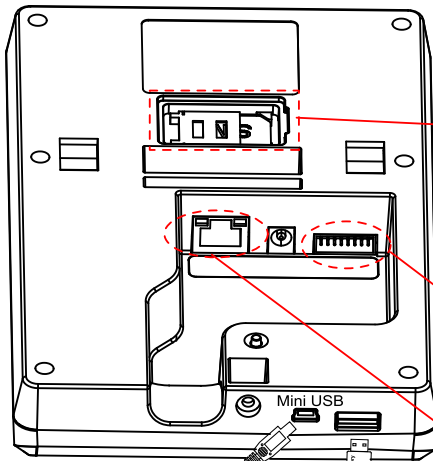### 2. Mount the Device to Wall

* Install the mounting panel on th wall
* Plug in the Ethernet cable,charger or extended function connector cable
* Slide the TC580 down onto the panel and secure with the screw on the bottom of device

Wiring Instruction
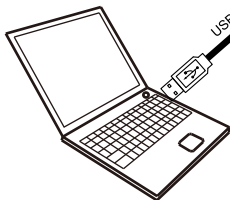

★ SIM Installation（Just for 3G function）

Step 1	Step 2 SIM Card
SIM Card Cover	
Step 3	Step 4 SIM Card Cover
	Lock SIM Card

(Please power off the device to installation the SIM Card.)

J9

GND	PWR	485B	DM		WI0	NC	COM
12V	GND	485A		OPEN	WI1		NO

Extended function interface

Mini USB

USB

U Disk

TCP/IP

J9 Extended function interface:

Function	Power	Passive doorbell/ Active doorbell	RS485/ RS232	Door Magnetic		Wiegand26 Input/ Output	Relay Output	
	GND	Bell-/PWR	RS485B/ 232TX			WI0/WO0	NC	COM
No.	②	④	⑥	⑧	⑩	⑫	⑭	⑯
Cable Color	Yellow	Blue	Green	Black	Purple	Red	Blue	Black
Function	12V	Bell+/GND	RS485A /232RX		Exit Button	WI1/WO1		NO
No.	①	③	⑤	⑦	⑨	⑪	⑬	⑮
Cable Color	Orange	Brown	White	Red	Gray	White	Brown	Red

NO.3-4: Active doorbell or Passive doorbell function is decided by the switch S2 on the Main PCB board as follow:
NO.5-6: RS485 or RS232 function is decided by the Main PCB board as you choose.
NO.11-12: Wiegand 26 Input or Output function is decided by the switch S3 on the Main PCB board as follow:

S2: Doorbell Switch

Up	Passive doorbell
Down	Active doorbell

S3: Wiegand Switch

Right	Wiegand Input
Left	Wiegand Output

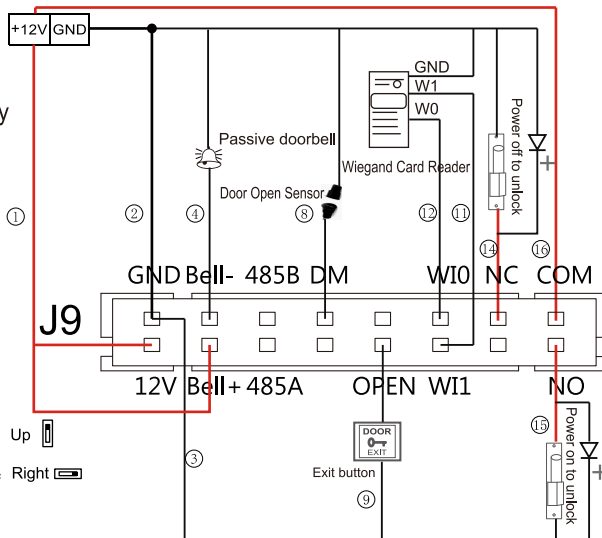*Pay attention: Factory default is RS485, Passive doorbell, Wiegand 26 Input

Important notice: Please follow the wiring diagram as it is displayed. Damaged products diagram as it is displayed. Damaged products due to improper wiring are not covered under the product warranty.

TC580 & Switching Power Supply

TC580 & Anviz SC011
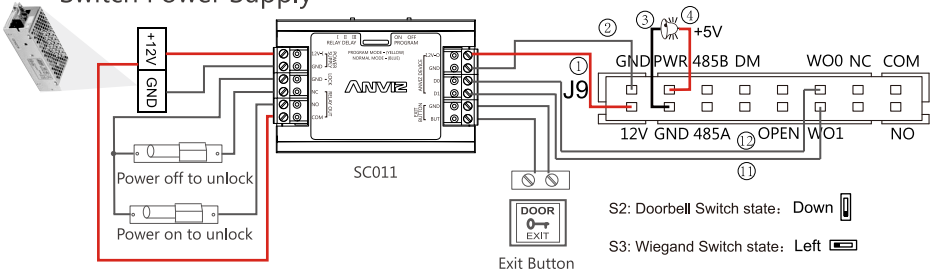
SC011 can work with TC580 by Anviz encrypt Wiegand code authorized to set up a distributed access control system. Wiegand mode must be set to 'AnvizWiegand' by PC software. You can buy SC011 from our sales.

Switch Power Supply

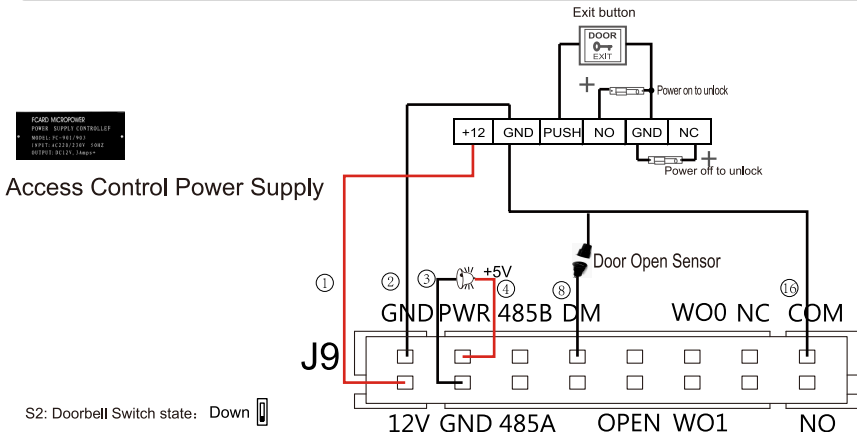**Anviz Wiegand date output format**：
ALL registered users output devieces' last eight serial number.
(For example, SN of one device is 105000014470004, then Anviz Wiegand output 14470004.)
Wiegand 26 date output format (TC580 & other access control):
Card user: Output card number.(Decimal)
Fingerprint user: Output ID number.

TC580 & Access Control Power Supply

Basic Operation

1. Turn on the Device
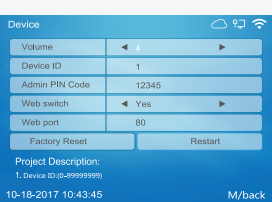
Plug in the power supply and wait for the device boot up.

Press [M] key to go to Admin menu. Input "0" as ID and "12345" as password to log in.

* 0/12345 is the default Admin ID and password. You can change to your own the password or set other user as Admin later.

Browser the Setting \ Device menu to view or edit the Device ID and Admin PIN Code.

Go to Setting \ Time menu to set up date and time.

2. Add Users to Device

Go to User \ Add menu. Follow the menu to input ID, name and password. Move the cursor to "Enroll FP" section and click [OK] key.

Scan the same finger three times to enroll the fingerprint.

3. Input Characters

When you edit name , you may need to input characters. Here are the steps to input characters:

* Using the up and down arrow key to move the cursor to the field.
* Press [Fn] key on the keypad, a character input window "Aa" will be displayed on the bottom of the screen. Then press the number/letter key. A second window will appear and you can select the letter by number key .
* Press [IN] key on the keypad, the character input window will toggled between "Aa", "123", ",.!?" and "拼". You can select the window to input the letter, number or special symbols.

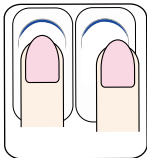## 4. Verity the Fingerprint

- ■ Correct method :
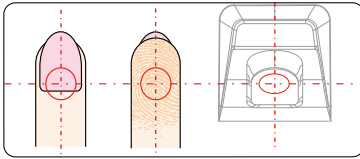
Place finger in the center of the sensor.
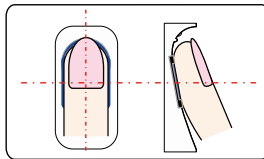
Place finger flatly and smoothly on the sensor.
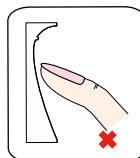
- ■ Incorrect method :

Finger not placed on the center of the sensor
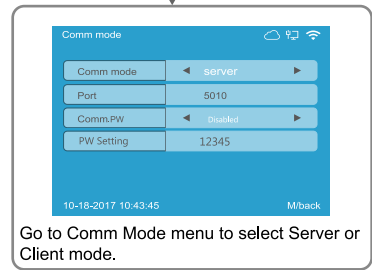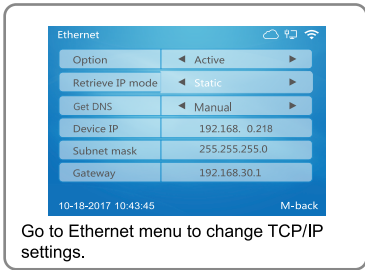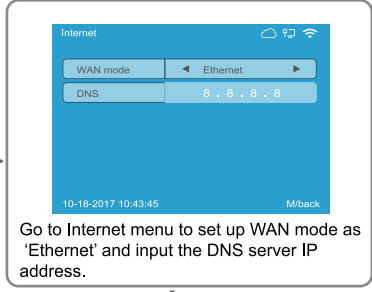
Finger placed inclined

Use of fingertip

Note:
1. It is better for each user to register two finger prints in case of one finger can't work.
2. Place finger flat and make sure the center of the finger is on the center of scanner window and press a little hard on scanner, so it can scan as large finger area as possible to extract enough minutia.
3. Keep the angle and direction of finger the same each time placing on scanner.
4. If your finger has sweat or water, please dry it first and then register the finger.
5. If your finger is too dry, make it a little wet or touch the forehead to increase the wetness of the finger, press a little hard on scanner.（The dry finger can cause the finger image not coming out clear enough.)
6. Avoid the callus, peeling, or injury of the finger to ensure the register and identification successful.
7. You can register the thumb first, and then index finger or middle finger to increase the precision.
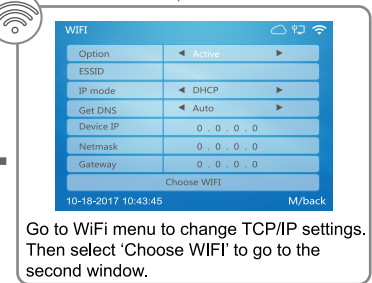
5. Setup the Device Communication

* Go to Network \ Internet menu to select Ethernet or close Ehernet
* Go to Network \ Communication Mode to select Server or Client mode , RS485
* Go to Network menu to setup Ethernet parameter according to your network settings
* Ping the IP address of Device from the management computer. Make sure the Ping is successful

5.1 Ethernet Settings

Go to Network menu.

Go to Internet menu to set up WAN mode as 'Ethernet' and input the DNS server IP address.

Go to Ethernet menu to change TCP/IP settings.

Go to Comm Mode menu to select Server or Client mode.

5.2 WiFi Settings

Go to Network/Internet menu to set up WAN mode as 'WIFI' and input the DNS server IP address.

Go to Comm mode menu to select Server or Client mode.

TC580 will search for WiFi network automatically. Select the WiFi network and input password.

Go to WiFi menu to change TCP/IP settings. Then select 'Choose WIFI' to go to the second window.

Working with Management Software

1. Install the Management Software on Computer

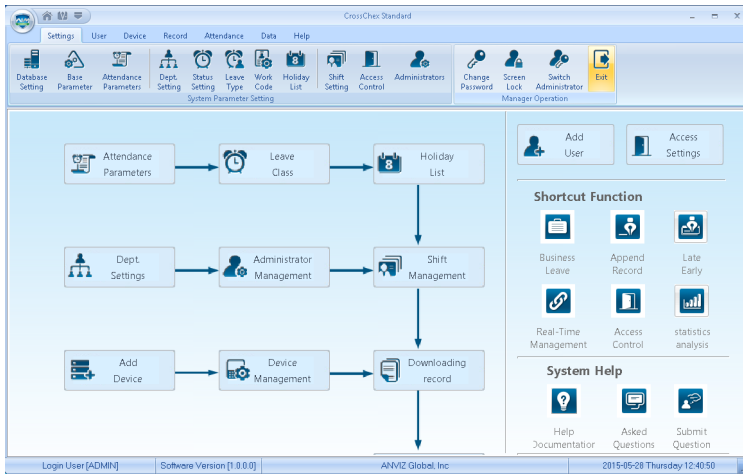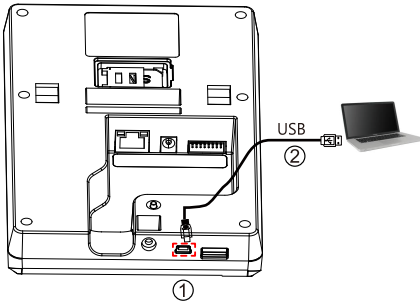Put the CD in the management computer. The installation program will run automatically.
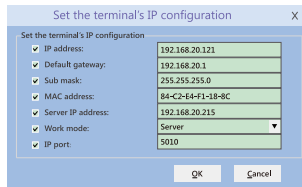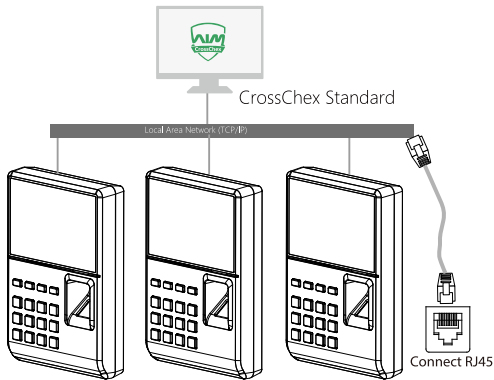

How to connect the Device with Software?

1st Method: Mini USB

① Loose the screw on the bottom of device, then pull up the front case, seperate from back panel

② Connect USB cable between with device and PC which has installed software

2nd Method: Connect to Network

CrossChex Standard

Local Area Network (TCP/IP)

Connect RJ45

Set the terminal's IP configuration   X

Set the terminal's IP configuration

☑ IP address:	192.168.20.121
☑ Default gateway:	192.168.20.1
☑ Sub mask:	255.255.255.0
☑ MAC address:	84-C2-E4-F1-18-8C
☑ Server IP address:	192.168.20.215
☑ Work mode:	Server ▼
☑ IP port:	5010

OK   Cancel

Right click on the device icon
and choose 'Set the IP configuration'
to set correct network enviroment
parameters such as above window.

---

2. Enable Commucation between Device and the Management Software CrossChex

* Turn on management software CrossChex
* Go to Device tab. Search and Add the TC580 to management software CrossChex
* Click Synchronize Time button to communicate with Device. If Synchronize is successful, the device icon will turn to blue

---

3. The Management Software CrossChex Features

* Device \ Backup User: Download user info from Device to CrossChex
* Device \ Download Records: Download records from Device to CrossChex
* User \ Modify: Edit name or other user info. Then click "Upload User" to Upload user info to device
* Record \ Search: Search and view the records
* Attendance: Calculate, Search results and Generate reports
* Data \ Backup Database: Backup Database
* Setting \ Shift: Set up Time Table and Scheduling
* Device \ Device Parameter: Set up device, Clear records on Device or Reset Device to factory settings

Have a question? Please feel free to send emails to support@anviz.com to get support.