- Model Number:K200+R307
- Power Supply:4*AA battery or DC5V
- Fingerprint capacity:120
- Standby mode current:less than 7uA
- Output:DC5--6V, 500Ma

K200 Technical Parameters

·Fingerprint capacity: 120

·Power supply: 4*AA battery or DC5V

·Stand-by mode current: less than 7 uA

·Output: DC5--6V,500mA

Operation Instruction

1.Press SET button shortly,system in administrator register status and blue indicator light flash fast, press two times for each fingerprint, fingerprint register successfully when hearing music.Fingerprint can be registered continuously,and it can register 20 pieces administrator fingerprint. If no need for adding fingerprint, waiting for 6seconds or press the SET button to exit.

2.When back to factory default, press SET button until hear "Di-Di-Di" beep and release the button,means initialization operation successful.

3.Register User Fingerprint: Press the administrator fingerprint until hear the music and blue indicator light flash fast, means can add user fingerprint.Press two times for each user fingerprint, fingerprint register successful when hearing music. Fingerprint can be registered continuously, it can register 100 pieces user fingerprint.

4.Delete User Fingerprint：Press the administrator fingerprint when hear the music and blue indicator light flash fast, move the finger until hear "DiDiDi" long deep, than all user fingerprints are deleted.

5.Mode selection,setby the toggle switch:

a) 1:ON, 2:ON Output DC5V and keep 0.5 second; stop 5 seconds,then minusvoltage outputted and keep 0.5 seconds.

b) 1:ON, 2:OFF Output DC5V and keep 1 second

c) 1:OFF, 2:ON Output DC5V and keep 10 seconds

d) 1:OFF, 2:OFF Keeping output DC5V until removing the finger

Note:

1. When the voltage is less than DC4.5V, the red light lightens, means the low voltage warning.

2. In the "D" mode,when need to register user fingerprint,after press the administrator fingerprint successfully,lifting the finger then press the same administrator finger again until hear the music and blue indicator light flash fast,then it can register user fingerprint.

R307 Description

1. Integrated image collecting and algorithm chip together, ALL-in-One

2. Fingerprint reader can conduct secondary development, can be embedded into a variety of end products

3. Users can conduct secondary development, can be embedded into a variety of end products, such as: access control, attendance, safety deposit box, car door locks

4. Low power consumption, low cost, small size, excellent performance

5. Professional optical technology, precise module manufacturing technics

6. Good image processing capabilities, can successfully capture image up to resolution 500 dpi

7. Have finger detection function.

Specifications

·Type: Optical

·Interface: USB2.0/UART(TTL logical level)

·Resolution: 500 DPI

·Work Current: Typical ≤75 mA

·Voltage: DC 4.2-6.0V (or 3.3V)

·Fingerprint capacity: 1000

·Dimension: 52 *20*22 (mm)

·Image Capture Surface: 15*11 (mm)

·Backlight: Blue

·Sensor Life: 100 million times

·Static Indications: 15KV

·Character file Size: 256 bytes

·Template Size: 512 bytes

·Security Level: 5 (1,2,3,4,5(highest))

·Scanning Speed: < 0.3 second

·Verification Speed: < 0.2 second

·Matching Method: 1:N

·FRR (False Rejection Ratio): ≤0.1%

·FAR (False Acceptance Ratio): ≤0.0001%

·Operating Environment Temperature: -20°C ---50°C

·RS232 communications baud rate: 9600BPS~115200BPS changeable

·All fingerprint module support with <mark>Arduino, Android, Windows, Linux, .Net</mark> and so on.
·Provide Free SDK Files
·Provide User Manual

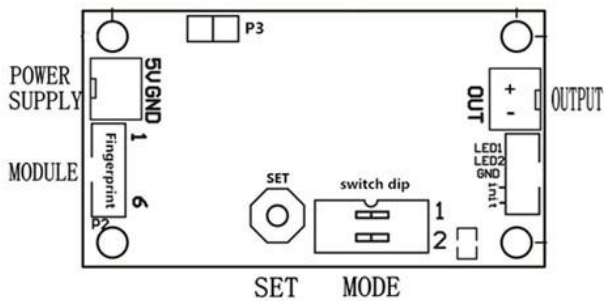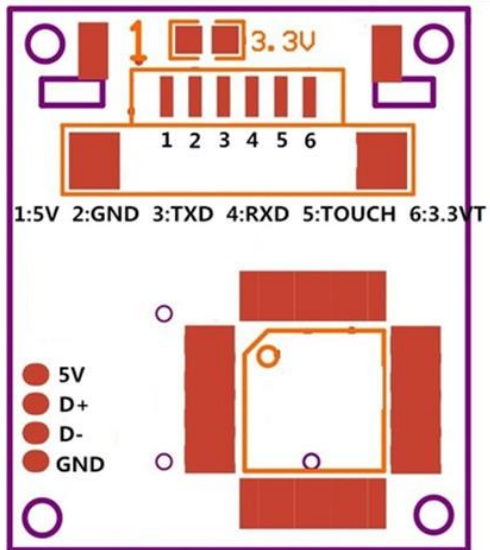You can download the R307 user manual from this website link:

https://www.dropbox.com/sh/epucei8lmoz7xpp/AAAmon04b1DiSOeh1q4nAhzAa?dl=0

K200 Circuit board diagram

R307 fingerprint module circuit board diagram

1:5V 2:GND 3:TXD 4:RXD 5:TOUCH 6:3.3VT

3.3VDC power can be selected to supply when short circuit as the following drawing.

Attention: Operating carefully, otherwise the R307 will be damaged when wong connection.

short circuit

3.3V

1 2 3 4 5 6

1:5V 2:GND 3:TXD 4:RXD 5:TOUCH 6:3.3VT
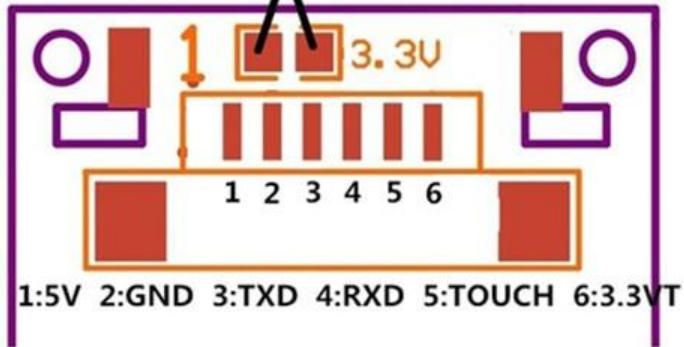
R307 fingerprint module size chart