

CB100 Fingerprint Module Optical



Applications

- ❖ Voter ID Verification
- ❖ Consumer Electronics
- ❖ Access Control Systems
- ❖ Locks and Safes
- ❖ Local Identification
- ❖ Information Security
- ❖ Time Attendance Systems
- ❖ Medical Equipment

Features

- ◆ **High Image Quality:** Optical sensor with superior image quality
- ◆ **Small Power Consumption:** work current<200mA, Sleep current<20uA
- ◆ **Strong Adaption:** adaption for wet/ dry fingers
- ◆ **Correction and Authentication:** support auto correction and 360 degree rotation authentication
- ◆ **Easy to Develop:** USB Support
- ◆ **International Standard:** ISO19794-2, ISO19794-4, ANSI-378 and WSQ supported
- ◆ **SDK Support:** Windows,Android,Linux and HTML

CB100 Fingerprint Module



Performance Parameter

Size sensor array	256*360 pixel
Sensor Type	Optical
Imaging Resolution	500 dpi
FAR	< 0.001 % (Security Level: 3)
FRR	< 0.1 % (Security Level: 3)
Touches	>100million
Enrollment Time	<3s
Fingerprint Collector	CB100
Processor	32-bit ARM Cortex-M3 self-algorithm
Fingerprint Template	498 Byte
Matching Time	<1s (1:100,000,matching 1GHz 1 Core ARM CPU, 1GB RAM)
Matching mode	1:N identification and 1:1 verification
Time of Response	Min 0.2s & Max 1.5s

Communication Mode

Interface	USB
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Operation Environment

Operating Temperature	-20℃ to 60℃
Storage Humidity	-40℃-85℃ , 10~90%
Work Humidity	10~90% R.H

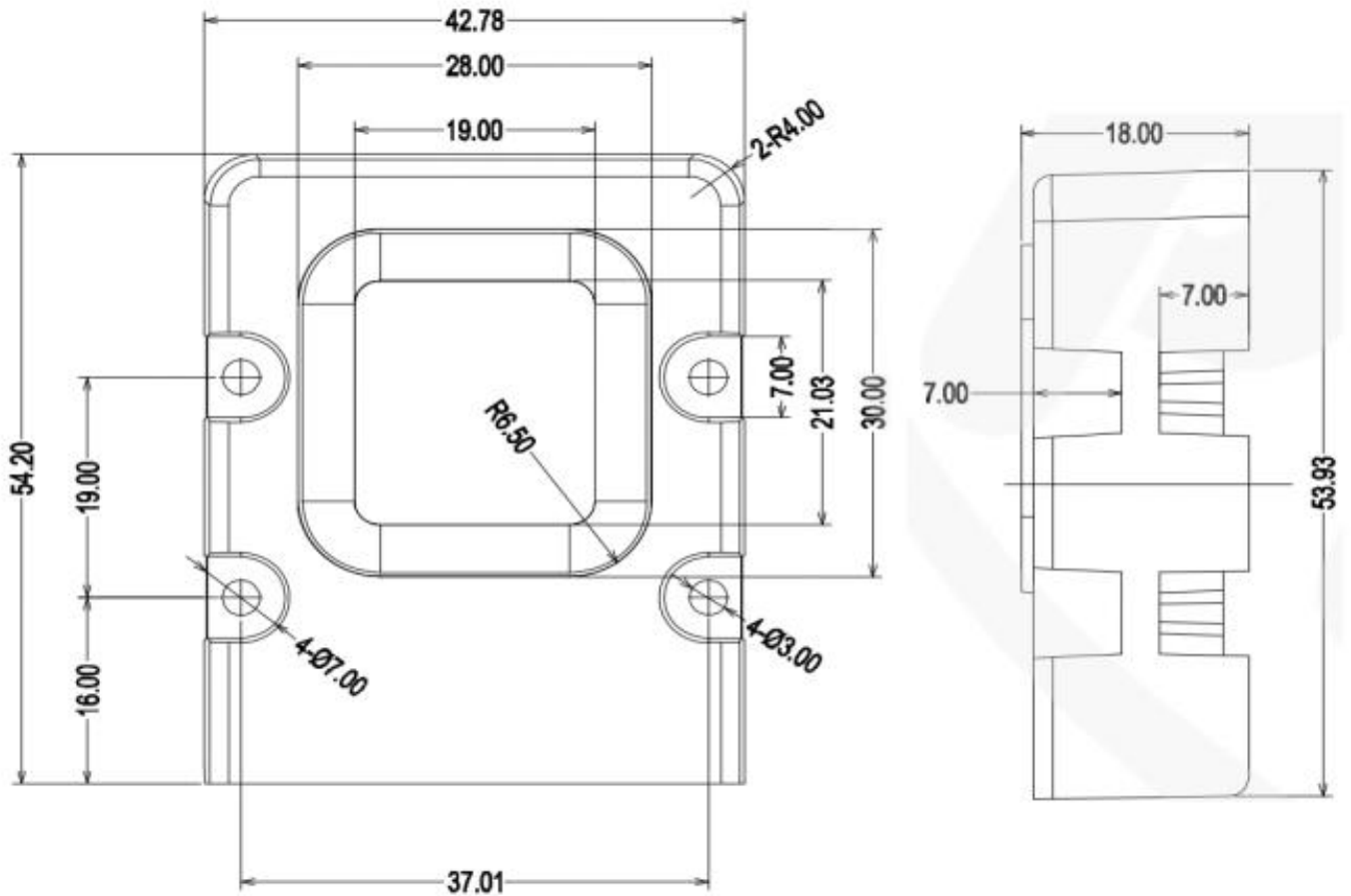
Electrical Parameter

Working Current	<200mA
Working Current - Sleeping Mode	<20uA
Working Voltage	3.3-5V

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Technical drawing



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