

## CAMA-AFM32

### Capacitive Fingerprint Module

- ✓ 3000 Fingerprint Capacity
- ✓ 360 Degree Rotation Verification
- ✓ Live Finger Detection
- ✓ Support 1:1 and 1:N Fingerprint Verification
- ✓ Original FPC1011 Fingerprint Sensor



CAMA-AFM32 is an ideal OEM capacitive fingerprint Sensor Module which combined CAMABIO fingerprint algorithm and original FPC1011 sensor. It also equipped with microcontroller chip and flash memory. With its' compact size, it can be easily integrated into different biometric recognition devices like time attendance, access control, smart door lock, etc.

### Product Features

- **3000 Fingerprint Capacity**  
3000 fingerprints can be stored
- **360 Degree Rotation Verification**  
Users can press finger from any direction
- **Auto-Learning Function**  
Will improve fingerprint automatically
- **Live Finger Detection Function**  
Identify the fake fingerprint
- **USB and Uart Interface**  
Support both USB and UART Interface
- **1:1 and 1: N verification**  
Support both 1:1 and 1:N mode

### Applications

- ✓ Biometric Time Attendance
- ✓ Biometric Access Control
- ✓ Biometric Door Lock
- ✓ Fingerprint Car Starter
- ✓ Fingerprint Safe Box Locker
- ✓ Biometric Vendor Machine

# Technical Specifications

PARAMETER	DESCRIPTION
Fingerprint Sensor	FPC1011 Fingerprint Sensor
Fingerprint Scan Area	10.64mm x 14mm
Pixel Matrix	242 pixel x 266 pixel
Image Resolution	500 DPI
Fingerprint Template	496 bytes
Communication Interface	UART (3.3V TTL) and 5V USB Interface
FRR	<0.1%
FAR	<0.001%
Identification Speed	Fingerprint Pretreatment<0.5s; 1:N <0.9s
Fingerprint User Capacity	3000 Fingerprints
Work Current	<100mA
Standby Current	< 5 $\mu$ A
Power Supply	DC 3.3V or 5V
Work Temperature	-20°C- 60°C
Work Humidity	20%-80%
Security Level	Level 1~ Level 5, Default setting: Level 3
Communication Parameters	Parity = NONE, One Stop Bit = 1 Flow Control = NONE BaudRate:9600, 19200, 38400, 57600, 115200 (bps) Default: 115200bps

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