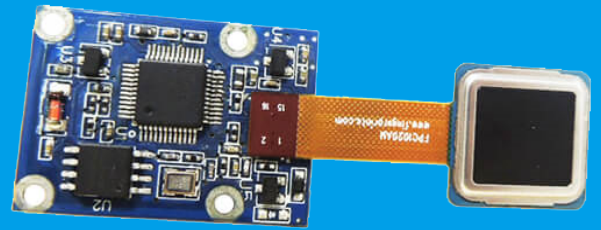


CAMA-AFM31

Capacitive Fingerprint Module

- ✓ 2000 Fingerprint Capacity
- ✓ 360 Degree Rotation Verification
- ✓ Live Finger Detection
- ✓ Support 1:1 and 1:N Fingerprint Verification
- ✓ Original FPC1020 Fingerprint Sensor



CAMA-AFM31 is an ideal OEM capacitive fingerprint Sensor Module which combined CAMABIO fingerprint algorithm and original FPC1020 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

- **2000 Fingerprint Capacity**

2000 fingerprints can be stored

- **Auto-Learning Function**

Will improve fingerprint automatically

- **USB and Uart Interface**

Support both USB and UART Interface

- **360 Degree Rotation Verification**

Users can press finger from any direction

- **Live Finger Detection Function**

Identify the fake fingerprint

- **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	FPC1020 Fingerprint Sensor
Fingerprint Capture Area	10.73mm x 11.47mm
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	2000 Fingerprints
Work Current	<100mA
Standby Current	< 20 μ A
Power Supply	DC 3.3V or 5V
Work Temperature	-20℃- 60℃
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

Shenzhen CAMA Biometrics Co., Ltd.

Address: No.801, Block 1B,Shenzhen International Innovation Valley,Dashi 1st road, Nanshan District, Shenzhen,China

Tel: 0086-755-33581519 Website: <https://www.camabio.com>