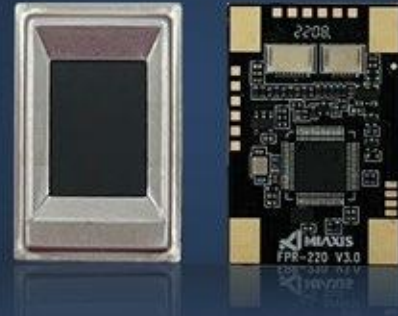


FPR-220 V2.1

FBI-PIV Certified Capacitive Fingerprint Module



Key Features



Certificates:

- FBI-PIV certified Mobile ID FAP10
- Biometric standard: ISO 19794, ANSI 381, ANSI-378, WSQ, JPEG2000, MINEX III compliance



High Image Quality

- Capacitive fingerprint technology with superior image quality



Compact Design

- Extreme compact design at 4.7mm thick



Strong Adaption

- Works well with dry, moist and rough fingerprints

Easy Integration



- SDKs available for Android, MS Windows and Linux compatible
- Support UART, SPI and USB interfaces

Advanced Algorithm



- Template options: MIAXIS, ISO 19794-2 & ANSI 378
- MIAXIS proprietary Justouch® fingerprint extractor & matcher passed NIST MINEX III compliance
- Live Fingerprint Detection(LFD) algorithm to differentiate fake fingers

Served worldwide for

N+

National ID Programs

Miaxis fingerprint readers

3M

deployed in banks

MIAXIS FPR-220 V2.1 is an integrated Capacitive Fingerprint Module, featured with a large active platen area and FBI-PIV certified high quality 256×360 pixel image in the biometric enrollment process. Its compact design enables easy integration into volume-limited mobile or portable hardware terminals for various identification applications.

Scenarios



· Finance and Banking



· Telecommunication/KYCs



· Vote election/Govt. ID Authentication



· Point of Sale

Specification

Sensor Type	Capacitive Sensor, MS-360	Dimensions	35.2×23.1×4.7mm(L x W x H)
Image Resolution	508dpi	Operating Temperature	-10°C~+55°C
Image Size	256×360 pixel	Storage Temperature	-20°C~+60°C
Sensing Area	12.8×18.0mm	Operating Humidity	20%RH~90% RH
Live Finger Detection	Yes	Supply Voltage	DC 5V±5%
Image Gray Scale	8bit, 256 levels	Supply Current	≤200mA(USB powered);≤50mA (USB powered at sleep mode)
Enrollment Time	≤250ms(placement to template)	Support OS	Windows, Android, Linux
Image Format	WSQ, JPEG2000, ISO 1974-4, ANSI 381	Communication Interface	UART, USB and SPI
ESD Immunity	±8kV contact discharge; ±15kV air discharge		



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