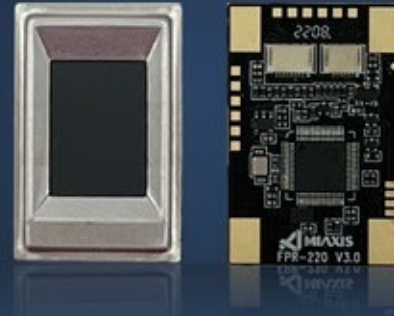


# FPR-220 V2.1

## 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

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



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