



SM-92M

FAP20 Optical Fingerprint OEM Module

Key Features



Certificates:

- FBI PIV and FBI Mobile ID FAP20 certificates
- Biometric standard: ISO 19794-4, ANSI 381, WSQ, JPEG, RAW, BMP, MINEX III compliance



Live Fingerprint Detection

- Machine-learning-based live finger detection technology to differentiate fake fingers
- Auto-reject fake materials including silicon, paper, rubber and more



Easy Integration

- SDKs available for Android, MS Windows and Linux compatible
- UART&USB multiple interfaces



Advanced Algorithm

- Template options: MIAXIS, ISO 19794-2 & ANSI 378
- Miaxis proprietary Justouch® fingerprint extractor & matcher passed NIST MINEX III compliance
- Value-added customised APIs for software integration



Dustproof and Waterproof

- IP65 dustproof and waterproof

Served worldwide for

N+

National ID Programs

Miaxis fingerprint readers

3M

deployed in banks

MIAXIS SM-92M is an FBI-PIV&FAP20 certified Optical Fingerprint OEM Module, with a lightweight and compact 15mm slim design. SM-92M can be easily assembled into handheld or tablet mobile authentication devices for indoor and outdoor uses. Perfect for large-scale identity verification allows a wide range of applications.

Scenarios



· Finance and Banking



· Telecommunication/KYCs



· Vote election/Govt. ID Authentication



· Law Enforcement

Specification

Sensor Type	Optical Sensor	Dimensions	33.7×56.7×15.0mm(L×W×H)
Image Resolution	500 dpi	Operating Temperature	-10℃ ~ +50℃
Image Size	300×400 pixel	Operating Humidity	20%RH~90%RH
FAP	FAP20	Supply Voltage	DC 5V±5%
Live Finger Detection	Yes	Supply Current	≤200mA(USB powered); ≤50mA(USB powered at sleep mode)
Sensing Area	15.24×20.32mm	Ingress Protection	IP65(sensor surface)
Image Gray Scale	8 bit, 256 levels	Support OS	Linux Kernel 3.X or Higher Windows 7 or Higher Android 4.1 or Higher
Image Format	WSQ, JPEG, RAW, BMP, ISO 19794-4, ANSI 381	ESD Immunity	±8kV contact discharge; ±15kV air discharge



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