

SM-92M-S

FAP20 Authentication

Fingerprint OEM Module



Key Features



MOSIP Compliant

- MOSIP SBI2.0 compliant fingerprint authentication module



Certificates

- FBI-PIV and FBI Mobile ID FAP20 certificates
- Biometric standard: ISO 19794, ANSI 381, ANSI-378, WSQ, JPEG2000, 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 customized 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-S is an FBI-PIV&FAP20 certified optical Fingerprint Authentication Module, with a durable and compact 15mm slim design. Ideal for identity authentication application scenarios. SM-92M-S can be easily assembled into mobile handheld authentication devices for indoor and outdoor uses.

Scenarios



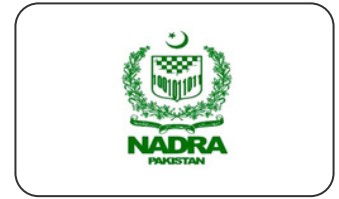
· Kenya Huduma Namba



· Philippines Philsys



· India Aadhaar



· Pakistan NADRA

Specification

Sensor Type	Optical sensor
Image Resolution	500 dpi
Image Size	300×400 pixel
FAP(fingerprint acquisition profile)	FAP20
Image Formats	WSQ, JPEG, RAW, BMP, ISO 19794-4, ANSI 381
Image Gray Scale	8 bit, 256 levels
Live Finger Detection	Yes
Sensing Area	15.24×20.32mm
Ingress Protection	IP65(sensor surface)
ESD Immunity	±8kV contact discharge; ±15kV air discharge
Supply Current	≤200mA(USB powered); ≤50mA(USB powered at sleep mode)
Supply Voltage	DC 5V±5%
Operating Temperature	-10°C~+50°C
Operating Humidity	20%RH~90%RH
Security	FTM based, MOSIP L1 Device, SBI 2.0
Compliance	FBI-PIV&Mobile FAP20, MOSIP L1, CE&FCC certified, MINEX III
Dimensions	33.7×56.7×15.0mm(L×W×H)
Support OS	Linux Kernel 3.X or Higher Windows 7 or Higher Android 4.1 or Higher



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