



SM-93M-S

MOSIP Compliant Secure Fingerprint Module



Key Features



MOSIP Compliant

- MOSIP SBI2.0 compliant fingerprint authentication module
- Max. encryption capture time within 4 seconds



Certificates

- FBI-PIV and FBI Mobile ID FAP30 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® Model SM-93M-S is an FBI-PIV&Mobile ID FAP30 certified and MOSIP SBI2.0 Compliant Secure Fingerprint Authentication Scanner. It's a compact & portable fingerprint collection device for easy integration with new or existing applications. Powered by USB 2.0 and supports Windows, Linux and Android operating systems. Ideal for secure biometric authentication and national e-ID programs.

Scenarios



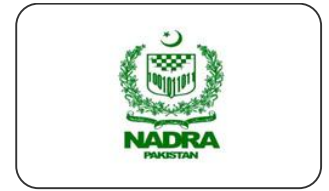
· Kenya Huduma Namba



· Philippines Philsys



· India Aadhaar



· Pakistan NADRA

Specification

Sensor Type	Optical sensor
Image Resolution	500 dpi
Image Size	400×500 pixel
FAP(fingerprint acquisition profile)	FAP30
Image Formats	WSQ, JPEG, RAW, BMP, ISO 19794-4, ANSI 381
Image Gray Scale	8 bit, 256 levels
Live Finger Detection	Yes
Sensing Area	20.32×25.4mm
Security	FTM based, MOSIP L1 Device, SBI 2.0
Max. Encryption Capture Time	4 seconds(including capture, WSQ, encryption, signing&transfer via USB)
Compliance	FBI-PIV&Mobile FAP30, MOSIP L1, CE&FCC certified, MINEX III
Dimensions	67.5×36×15.1mm(L×W×H)
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
Support OS	Linux Kernel 4.15 or Higher; Windows 7 or Higher; Android 4.1 or Higher



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