



SM-92

MOSIP L1 compliant Secure Fingerprint Scanner



Key Features



MOSIP Compliant

- MOSIP SBI2.0 compliant fingerprint authentication module
- Max. encryption capture time within 2-3 seconds



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



Standalone Operation

- 1.0GHz MIPS-base Xburst Core CPU

Served worldwide for

N+
National ID
Programs

Miaxis fingerprint
readers

3M
deployed in banks

MIAXIS ® SM-92 is an FBI-PIV&FAP20 certified Fingerprint Scanner with adopted optical sensing technology; the larger sensing area (16.00mm x 21.00mm) enables it to cover an enormous surface area and capture efficient biometric data from fingerprints, making it perfect for ID verification and IT security.

Scenarios



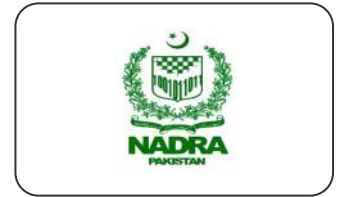
· Kenya Huduma Namba



· Philippines Philsys



· India Aadhaar



· Pakistan NADRA

Specification

Sensor Type	Optical sensor
Image Resolution	500 dpi
Image Size	300×400 pixel
FAP(fingerprint acquisition profile)	FBI PIV&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	16×21mm(L×W×H)
Security	FTM-based, MOSIP L1 Device, SBI 2.0
Quality Score	NFIQ 1.0
Compliance	FBI-PIV&Mobile FAP20, MOSIP L1, CE&FCC certified, MINEX III
Dimensions	78×46×24mm(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 3.X or Higher; Windows 7 or Higher; Android 4.1 or Higher



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