



SM-93

FBI-Certified Single Fingerprint Authentication Scanner

Key Features



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
- Plug&play USB powered device



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® Model SM-93 is an FBI-PIV&Mobile ID FAP30 certified optical 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



· Finance and Banking



· Telecommunication/KYCs



· Vote election/Govt. ID Authentication



· Law Enforcement

Specification

Sensor Type	Optical sensor	Dimensions	72 x 46.0 x 25.5mm(L x W x H)
Image Resolution	500dpi	Operating Temperature	-10 °C to +50 °C
Image Size	400 x 500 pixels	Operating Humidity	20%RH - 90% RH
Image Standard	FBI PIV&FAP30	Supply Voltage	DC 5V±5%(USB powered)
Live Finger Detection	Yes	Supply Current	≤200mA(USB powered) ≤50mA(USB powered at sleep mode)
Sensing Area	20.32 x 25.4mm	Ingress Protection	IP65 (Sensor Surface)
Image Gray Scale	8bit, 256 levels	Support OS	Linux Kernel 4.15 or higher; Windows 7 or higher; Android 4.1 or higher
Image Format	FBI-WSQ, JPEG2000, RAW, BMP, ISO 1974-4,ANSI 381	ESD Immunity	±8kV contact discharge ±15kV air discharge (Sensor Surface)



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