

FPR-800

FBI-PIV Certified FAP10 Fingerprint Scanner



Key Features



Certificates

- FBI-PIV and FBI Mobile ID FAP10 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® FPR-800 is an FBI-PIV&FAP10 certified Fingerprint Scanner with adopted capacitive sensing technology; the larger sensing area (0.5"x0.65") enables it to cover an enormous surface area and capture efficient biometric data from fingerprints, making it perfect for fingerprint data enrollment, registration and authentication. Powered by USB 2.0/3.0 and supports Windows, Linux and Android operating systems.

Scenarios



· Finance and Banking



· Telecommunication/KYCs



· Vote election/Govt. ID Authentication



· Law Enforcement

Specification

Sensor Type	FPR-220	Dimensions	71.5×50×30mm(L×W×H)
Image Resolution	508dpi	Operating Temperature	-10°C to +55°C
Image Size	256×360 pixel	Operating Humidity	<90%RH
Image Standard	FBI PIV&FAP20	Supply Voltage	DC 5V±5%(USB powered)
Live Finger Detection	Yes	Supply Current	≤80mA(USB powered)
Ingress Protection	IP65(Sensor Surface)	Communication Interface	USB/UART
Image Gray Scale	8bit, 256 levels	ESD Immunity	±8kV contact discharge; ±15kV air discharge
Image Format	FBI-WSQ, JPEG2000, RAW, BMP, ANSI 381, ISO 19794-4	Support OS	Linux Kernel 3.X or higher; Windows 7 or higher; Android 5.1 or higher



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