

A800-M

Dual Fingerprint Module

- ✓ FBI Certified: FBI IAFIS IQS Appendix F, Mobile ID FAP 45
- ✓ Live Finger Detection (LFD)
- ✓ AES-256 Encryption
- ✓ High Image Quality for Dual Finger Flats, Single Flats/Rolls



Tough. Reliable. Easily integrated. The Aratek A800-M fingerprint module is an FBI FAP45 optical fingerprint sensor that supports highly accurate two-finger flats and single-finger flat/roll fingerprints acquisition. It fully meets the stringent requirements of the FBI Appendix F (Mobile ID FAP45) standards on human fingerprint comparison. With easy integration into handhelds, mobile ID terminals, POS, kiosks and other devices, the A800-M is the perfect embedded solution for applications like National ID, Law Enforcement, Border control, Finance and Banking that require high-quality dual finger flat or single flat/roll fingerprints.

Features

- **FBI Appendix F FAP45 Certified**
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- **AES-256 Encryption**
256-bit AES encryption (AES-256) to ensure the security of your fingerprint data in transit
- **International Standards**
ISO19794-2, ISO19794-4, ANSI 378, ANSI 381, JPG2000, and WSQ supported.
- **Advanced Algorithm**
NIST MINEX III compliance Bione® fingerprint algorithm delivers the highest extracting and matching performance
- **Comprehensive SDK**
Comprehensive software development kit is available for easy development and integration.
- **Live Finger Detection (LFD)**
Live Finger Detection technology to detect fake fingers.
- **Strong Adaption**
Excellent image quality for dry, moist and rough fingers.
- **Cloud Platform**
Seamlessly join in Aratek TrustLink™ biometrics authentication platform
- **Different OS Support**
Windows 7 / 8 / 10 / 2000 / XP / Vista, Linux, Android

Applications

- National ID
- Voter Registration
- e-Passport & Visa
- Law Enforcement
- Border control
- Finance and Banking

A800-M FAP45 Dual Fingerprint Module

Physical Parameter

Dimension	64.0*62.0*36.5 mm (L*W*H)
Weight	124.0 g

Performance Parameter

Capture Mode	Optical Touch
Platen Size	41.0*39.0 mm
Sensing Area	40.64 mm*38.10 mm
Fingerprint Image Size	800*750 pixels
Image Resolution	500 dpi
Gray level	256 level

Communication Mode

Communication Interface	USB
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Operation Environment

Work Voltage	5.0 V
Work Current	≤200mA
Temperature	Working: -20 °C ~ 55°C Storage: -40 °C ~ 70°C
Humidity	10 ~ 93% R.H

Certification

CE, FCC, RoHS, FBI Appendix F (Mobile ID FAP45)

Supported OS

Windows / Android / Linux / Others



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