ARATEK

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 FAP 45 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 FAP 45) 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 FAP 45 Certified**
  FBI Certified: FBI IAFIS IQS Appendix F, Mobile ID FAP 45

- **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 FAP 45 Dual Fingerprint Module

Physical Parameter

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

Performance Parameter

Sensor Type	Optical
Platen Size (W*L)	39.0*41.0 mm
Sensing Area (W*L)	38.10 mm*40.64 mm
Image Size	750*800 pixels
Image Resolution	500 dpi
Gray level	8 bits, 256 level

Communication Mode

Communication Interface	USB

Operation Environment

Work Voltage	5.0 V
Work Current	≤200mA
Operating Temperature	-20℃~55℃
Operating Humidity	10~93% R.H

Certification

FCC, CE, RoHS, FBI Appendix F FAP 45

Supported OS

Windows, Android, Linux, Others