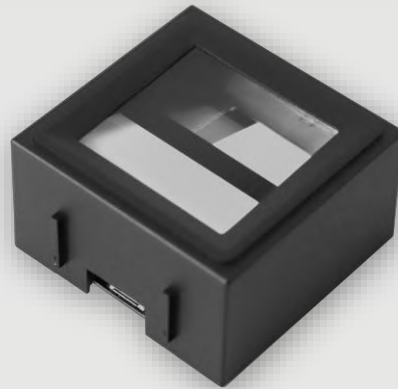


A800-M

FBI FAP 45 Certified Optical Dual Fingerprint Module



The Aratek A800-M fingerprint module brings high-quality dual-finger flat and single-finger roll capture into an integration-ready optical module for demanding fingerprint applications. FBI Appendix F FAP 45 certification ensures the capture area and image quality required for reliable comparison, while its durable optical design maintains consistent performance across difficult finger conditions and frequent daily use. Live Finger Detection (LFD) and optional AES-256 encryption strengthen capture and data security, while USB connectivity, broad platform support, and comprehensive SDKs simplify integration into biometric terminals, kiosks, and other products used for national ID, law enforcement, border control, and similar high-assurance identity applications.



FBI Appendix F FAP 45 Certified

FBI Appendix F FAP 45 certified for high-quality dual-finger flat and single-finger flat/roll capture.



International Biometric Standards

Supports ISO/IEC 19794-2/-4, ANSI INCITS 378/381, and WSQ for interoperable fingerprint data exchange.



Advanced Optical Sensing

Infrared LED-based optical capture helps deliver clear fingerprint images for reliable recognition performance.



NIST MINEX III Algorithm

Aratek's BIONE® fingerprint algorithm delivers strong extraction and matching performance.



Live Finger Detection (LFD)

Helps detect and reject fake fingers for more secure fingerprint recognition.



AES-256 Encryption Option

Optional AES-256 encryption helps protect fingerprint data in transit.



Designed for Heavy Use

Designed for reliable, repeated fingerprint capture through frequent daily use.



Reliable Capture for Difficult Fingers

Designed to capture fingerprints reliably from dry, wet, aged, dirty, and other challenging finger conditions.



Comprehensive SDK Support

A complete fingerprint SDK simplifies application development and biometric integration.



Multi-Platform Support

Supports Windows, Android, Linux, and embedded systems.

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*40.64 mm
Image Size	750*800 pixels
Image Resolution	500 dpi
Gray Level	8 bits, 256 level

Communication Mode

Communication Interface	USB
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Operation Environment

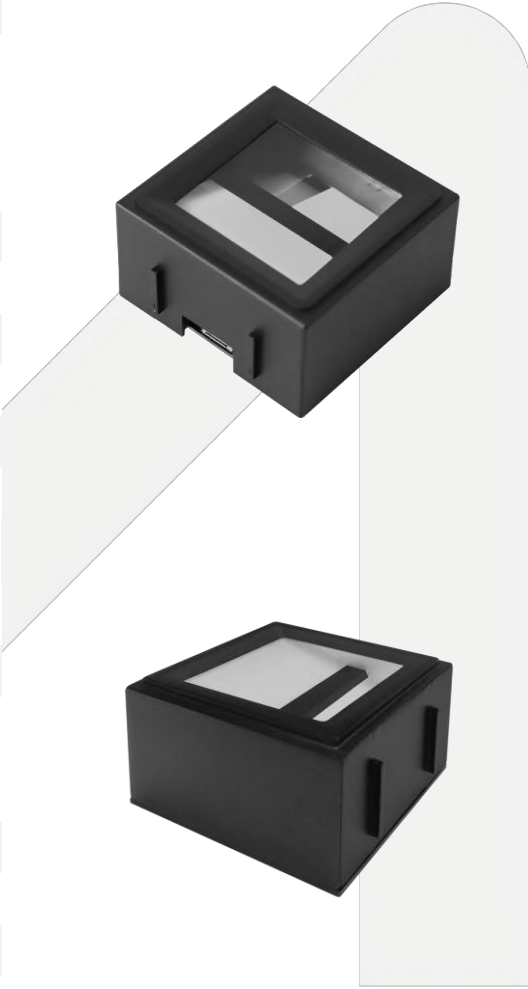
Work Voltage	5.0 V
Work Current	≤200 mA
Operating Temperature	-20°C~55°C
Operating Humidity	10~93% R.H

Certification

FCC, CE, RoHS, FBI Appendix F FAP 45

Supported OS

Windows, Android, Linux



Applications

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

Aratek Biometrics Co., Ltd.

10F, No. 131, Songjiang Road, Zhongshan District, Taipei City 10491, Taiwan
Tel: +886 2-2501-0001
E-Mail: sales@aratek.co

ARNTEK
www.aratek.co

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