

A600-M

FBI Mobile ID FAP 20 & STQC Certified Fingerprint Module



Built for applications where reliable fingerprint capture matters, the Artek A600-M is an FBI Mobile ID (FAP 20) certified fingerprint module with proven optical sensing to deliver high-quality, consistent fingerprint images for reliable recognition. Its infrared LED illumination helps maintain capture quality across different finger conditions, while Live Finger Detection and optional AES-256 encryption add protection at capture and during data transmission. For OEMs and system integrators, flexible hardware interfaces, broad platform support, and comprehensive SDKs make the module straightforward to integrate into biometric tablets, access control terminals, self-service kiosks, payment terminals, and other products requiring trusted single-finger verification and authentication.



FBI, STQC & MOSIP Ready

FBI PIV/ Mobile ID FAP 20, STQC certified, and MOSIP compliant for trusted fingerprint capture quality and deployment readiness.



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.



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.



Reliable Capture for Difficult Fingers

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



Flexible Interfaces

Supports UART, SPI, and USB interfaces to accommodate different device architectures.



Multi-Platform Support

Supports Windows, Android, Linux, and embedded systems.



Comprehensive SDK Support

A complete fingerprint SDK simplifies application development and biometric integration.



Designed for Heavy Use

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

A600-M Fingerprint Module

Physical Parameter

Dimension (W*L*H)	26.5*47.5*15.0 mm
Weight	17.2 g

Performance Parameter

Sensor Type	Optical
Platen Size (W*L)	16.0*21.0 mm
Sensing Area (W*L)	15.24*20.32 mm
Image Size	300*400 pixels
Image Resolution	500 dpi
Gray Level	8 bits, 256 level

Communication Mode

Communication Interface	UART (TTL 115200bps default) USB 1.1/ 2.0 SPI (Slave, Optional)
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Operation Environment

Work Voltage	5.0 V (USB)
Work Current	120 mA
Operating Temperature	-10°C~55°C
Operating Humidity	10~93%R.H
ESD	Contact: ±8KV, Air: ±15KV

Certification

FCC, CE, RoHS, FBI-PIV FAP 20, STQC

Supported OS

Windows, Android, Linux, Embedded systems



Applications

- PC/Network Security
- Hospitality
- Finance and Banking
- Telecommunication
- Healthcare
- Law Enforcement

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