

A600-M

Fingerprint Module

- ✓ FBI Certified: PIV Specification, Mobile ID FAP 20
- ✓ STQC Certified: UIDAI Level-0 certification
- ✓ Live Finger Detection (LFD)
- ✓ AES-256 Encryption
- ✓ USB / UART / SPI interfaces



With proven fingerprint capture technology, the rugged and durable ARATEK A600-M Fingerprint Module is listed in FBI PIV, Mobile ID FAP 20 and STQC certified devices. A600-M supports USB, SPI or UART interfaces for easy integration, it also comes with Live Finger Detection (LFD) and AES-256 encryption, making it a perfect solution for various applications that require an even higher standard of accuracy and security.

Features

- **FBI Certified**
PIV Specification, Mobile ID FAP 20
- **STQC Certified (Non-encrypted version)**
UIDAI Level-0 certification
- **International Standard**
ISO19794-2, ISO19794-4, ANSI 378, ANSI 381 and WSQ supported
- **Live Finger Detection (LFD)**
LFD rejects spoofing attempts by screening the liveness of the finger being captured
- **Advanced Algorithm**
NIST MINEX III compliance Bione® fingerprint algorithm delivers the highest extracting and matching performance
- **AES-256 Encryption (Option)**
256-bit AES encryption (AES-256) to ensure the security of your fingerprint data in transit
- **A Wide Range of Interfaces**
Supports UART, SPI and USB interfaces for easy integration
- **Cloud Platform**
Seamlessly join in Aratek TrustLink™ biometrics authentication platform
- **Different OS Support**
Windows2000, XP, Vista, Windows 7 / 8 / 10, Android and other embedded systems
- **Comprehensive SDK**
Comprehensive software development kit is available for development and integration
- **Correction and Authentication**
Support auto correction and 360 degree rotation authentication
- **Strong Adaption**
Good adaption for dry, moist and rough fingerprints

Applications

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

A600-M Fingerprint Module

Physical Parameter

Dimension	26.5*47.5*15.0mm (L*W*H)
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Performance Parameter

Capture Mode	Optical Touch
Platen Size	16.0*21.0 mm
Sensing Area	15.24*20.32 mm
Fingerprint Image Size	300*400 pixels
Image Resolution	500 dpi
Gray level	256 level

Communication Mode

Communication Interface	UART (TTL 115200bps default) USB 1.1 / 2.0 SPI (Slave 3.3V)
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Operation Environment

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

Certification

FBI PIV specification, Mobile ID FAP 20, STQC

Supported OS

Windows, Android, Linux, Embedded systems



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