

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**
Windows 2000, 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 (W*L*H) | 26.5*47.5*15.0 mm |
|-------------------|-------------------|

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 3.3V) |
|-------------------------|--|

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



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