

A700-M Fingerprint Module

- ✓ FBI Certified: PIV Specification, Mobile ID FAP 30
- ✓ Live Finger Detection (LFD)



Artek A700-M is certified by the FBI as FIPS 201/PIV 071006 and Mobile ID FAP 30 compliant fingerprint module. The larger sensing area (20.32 x 25.4 mm) enables it to cover a much bigger surface area and capture more biometric data from fingerprints. A700-M also comes with Live Finger Detection (LFD) technology, making it a perfect solution for applications that require an even higher standard of accuracy and security.

Features

- **FBI Certified**
FIPS 201/PIV 071006, FBI Mobile ID FAP 30
- **International Standards**
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**
256-bit AES encryption (AES-256) to ensure the security of your fingerprint data in transit
- **Strong Adaption**
Good adaption for dry, moist and rough fingerprints
- **Correction and Authentication**
Supports auto correction and 360 degree rotation authentication
- **Cloud Platform**
Seamlessly join in Artek 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
- **A Wide Range of Interfaces**
Supports UART, SPI and USB interfaces for easy integration

Applications

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

A700-M Fingerprint Module

Physical Parameter

Dimension	34*57.5*18.0mm (L*W*H)
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Performance Parameter

Capture Mode	Optical Touch
Platen Size	21.0*26.0 mm
Sensing Area	20.32*25.4 mm
Fingerprint Image Size	400*500 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	150 mA
Temperature	-10°C~55°C
Humidity	10~93%R.H
ESD	Contact: ±8KV, Air: ±15KV

Certification

FBI PIV specification, FBI Mobile ID FAP 30

Supported OS

Windows XP / 7 / 8 / 10, Android, Linux, Embedded



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