ARATEK
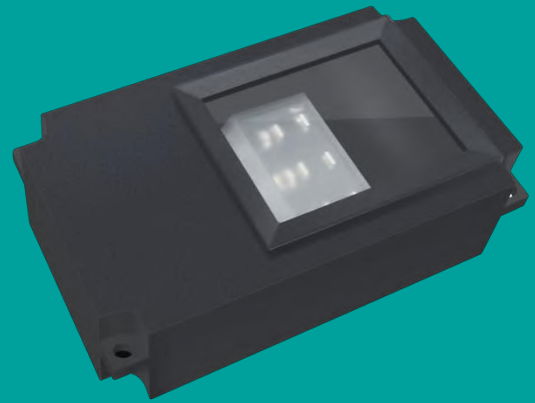
A700-M

Fingerprint Module

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

Aratek 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 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

- **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 (W*L*H)	34*57.5*18.0 mm

Performance Parameter

Sensor Type	Optical
Platen Size (W*L)	21.0*26.0 mm
Sensing Area (W*L)	20.32*25.4 mm
Fingerprint Image Size	400*500 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	150 mA
Operating Temperature	-10℃~55℃
Operating Humidity	10~93%R.H
ESD	Contact: ±8KV, Air: ±15KV

Certification

FCC, CE, RoHS, FBI-PIV FAP 30

Supported OS

Windows, Android, Linux, Embedded systems