

A700

FBI Mobile ID FAP 30 Certified Optical Fingerprint Scanner



The Aratek A700 is built around a larger FBI FAP 30 sensing area (20.32 X 25.4 mm) that captures more fingerprint detail from a single finger, giving recognition systems more biometric information to work with. Combined with proven optical sensing, it delivers consistent capture across varied finger conditions while Live Finger Detection and optional AES-256 encryption strengthen fingerprint and data security. Its IP65-rated design supports frequent use across demanding environments, with broad platform and SDK support making deployment straightforward. From banking and public services to healthcare, law enforcement, and more, the A700 is a reliable choice for applications where single fingerprint recognition performance matter.



FBI FAP 30 Certified

FBI PIV and Mobile ID FAP 30 certified for a larger capture area and certified fingerprint image quality.



International Biometric Standards

Supports ISO/IEC 19794-2/-4, ANSI INCITS 378/381, and WSQ for interoperable fingerprint data exchange.



IP65-Rated Protection

Protects against dust and water for dependable operation in demanding environments.



NIST MINEX III-Evaluated Algorithm

Powered by Aratek's NIST MINEX III-evaluated fingerprint algorithm for reliable template extraction and matching.



Live Finger Detection (LFD)

Helps detect and reject fake fingers for more secure fingerprint recognition.



Reliable Capture for Difficult Fingers

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



AES-256 Encryption Option

Optional AES-256 encryption helps protect fingerprint data in transit.



Comprehensive SDK Support

A complete fingerprint SDK simplifies application development and biometric integration.

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Physical Parameter

Dimension (W*L*H)	56*100*39.5 mm
Weight	124.4 g
Ingress Protection Rating	IP65

Performance Parameter

Sensor Type	Optical
Platen Size (W*L)	21.0*27.0 mm
Sensing Area (W*L)	20.32*25.40 mm
Image Size	400*500 pixels
Image Resolution	500 dpi
Gray Level	8 bits, 256 level

Communication Mode

Communication Interface	USB 2.0
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Operation Environment

Work Voltage	5.0 V
Work Current	≤150mA
Operating Temperature	-10°C~55°C
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



Applications

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

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