

A600 Fingerprint Module

FBI Certified: PIV Specification, Mobile ID FAP 20



Aratek A600 Fingerprint Module is an optical fingerprint module, with 32-bit high-speed DSP processor, it realizes fast capture and matching. It offers USB and UART interfaces to connect with upper devices, including PC and Android Devices. It can be embedded into a smart product by connecting to basic peripheral circuits.

Features

- **FBI Certified:** PIV Specification, Mobile ID FAP 20
- **International Standard:** ISO19794-2, ISO19794-4, ANSI 378, ANSI 381 and WSQ supported
- **High Image Quality:** Optical fingerprint technology with superior image quality
- **Compact Volume:** simple structure, suitable for volume limited products
- **Strong Adaption:** good adaption for wet/dry fingers
- **Correction and Authentication:** support auto correction and 360 degree rotation authentication
- **Easy to Develop:** USB 1.0/2.0 protocol and UART supported
- **Cloud Platform:** seamlessly join in Aratek TrustLink™ biometrics authentication platform
- **OS Support:** Windows2000, XP, Vista, Windows7/8/10, Android and other embedded systems

Applications

- ATM, POS, PDA
- Access Control
- Consumer Electronics
- Information Security
- Time Attendance
- Voter ID Verification
- Mobile Identification
- Government Benefit Deliveries, etc.

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Physical Parameter

Dimension	47.5*26.4*15.0 mm (L*W*H)
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Performance Parameter

Sensor Type	Optical
Platen Size	16*21 mm
Sensing Area	15.2*20.3 mm
Image Size	300*400 pixel
Image Resolution	500 dpi
FAR	<0.0001%
FRR	<1%
Enrollment Time	<3s
Matching Time	<0.1s (1:1), <0.5s (1:N, 100)
Matching Mode	1:1, 1:N
Memory	16 MB

Communication Mode

Communication Interface	UART TTL/ USB1.1/2.0
Baud Rate	57600bps

Electrical Parameter

Work Voltage	5 V
Work Current	200 mA
Work Air Pressure	86 kPa~106 kPa

Environment Parameter

Work Temperature	0°C~55°C
Storage Temperature	-40°C~60°C
Work Humidity	20~90% R.H
Storage Humidity	17%~96%



FBI Certification



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