

EM-3011A Fingerprint Module

Small size capacitive module



With proven fingerprint capture technology, the ARATEK EM-3011A Fingerprint Module is compliant with international standard including ISO and ANSI support. It is applicable for authentication in different industries such as Time & Attendance finance, health care, hospitality etc.

Features

- **International Standard**
ISO19794-2, ISO19794-4, ANSI 378, ANSI 381 and WSQ supported
- **High Image Quality**
Capacitive fingerprint technology with superior image quality
- **Strong Adaption**
Good adaption for dry, moist and rough fingerprints
- **Correction and Authentication**
Support auto correction and 360 degree rotation authentication
- **Cloud Platform**
Seamlessly join in Aratek TrustLink™ biometrics authentication platform
- **OS Support**
Windows2000, XP, Vista, Windows 7 / 8 / 10, Android and other embedded systems
- **SDK**
Comprehensive software development kit is available for development and integration

Applications

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

EM-3011A Fingerprint Module

Physical Parameter

Dimension	20*33*3.5mm (L*W*H)
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Performance Parameter

Capture Mode	Capacitive Touch
Platen Size	11.4*15.3 mm
Sensing Area	10.4*14.4 mm
Fingerprint Image Size	256*288 pixels
Image Resolution	508 dpi
Gray level	256 level

Communication Mode

Communication Interface	UART (TTL 115200bps default) USB 1.1 / 2.0 SPI
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Operation Environment

Work Voltage	3.8~5V
Work Current	<50 mA
Temperature	0°C ~55°C
Humidity	20~90%R.H
ESD	Contact: ±8KV, Air: ±15KV

Supported OS

Windows, Android, Linux, Embedded systems

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