

EM-3011 Fingerprint Module

Small size capacitive module



With proven fingerprint capture technology, the ARATEK EM-3011 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**
Windows 2000, 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-3011 Fingerprint Module

Physical Parameter

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

Sensor Type	Capacitive
Platen Size (W*L)	11.4*15.3 mm
Sensing Area (W*L)	10.4*14.4 mm
Image Size	256*288 pixels
Image Resolution	508 dpi
Gray level	8 bits, 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
Operating Temperature	0°C~55°C
Operating Humidity	20~90%R.H
ESD	Contact: ±8KV, Air: ±15KV

Supported OS

Windows, Android, Linux, Embedded systems

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