

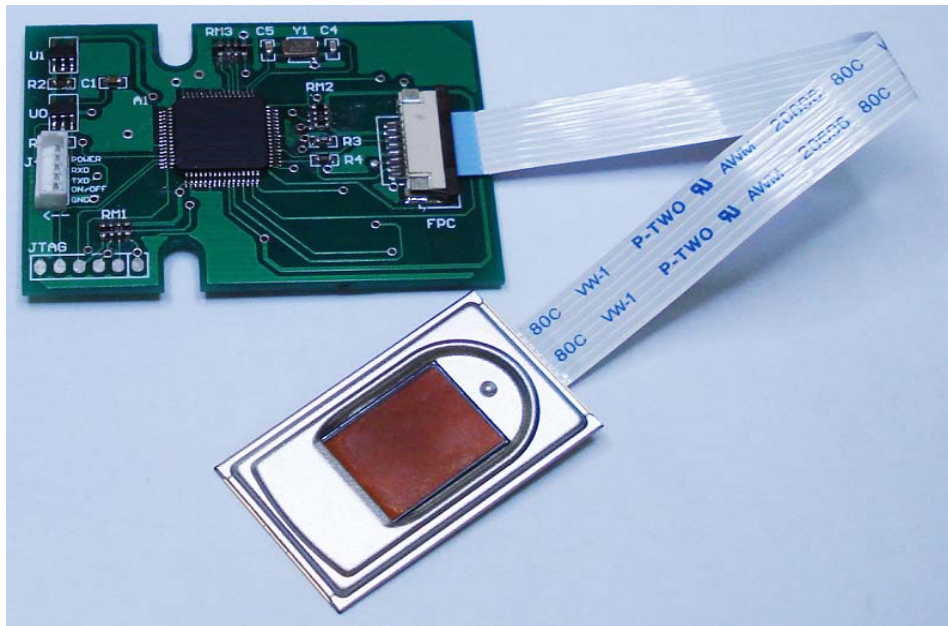


Fingerprint Module

ZKS-M2

1. Product Introduction

Fingerprint Module is our new generation of fingerprint algorithm module. This module is made of high precise optical fingerprint sensor, high performance DSP processor, big capacity FLASH and CMOS chips, which is only assorted with electric lock shell and lock core, you needn't know fingerprint identification technology, and needn't develop for second time, you only apply and integrate it with high technology fingerprint lock after connection with standard pins on module.



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2. Features

- ★ New version of algorithms with dependability and accuracy, identification speed obviously improved, process 120 fingerprints, no matter good or poor, within 0.7 second
- ★ Fashion, exquisite and ingenious design, easy to develop
- ★ Stable electronic components. Superior reliable, durable and low power consumption
- ★ Sensor with quality image, accepts dry, wet fingers.
- ★ Adjust image distortion, assure fingerprint matching consistency.
- ★ Adopt high precise optical image element, identify correctly.
- ★ Highness integration, high performance DSP, needn't to add circuit board.
- ★ Low power consumption and compact size
- ★ Mainly supply for overseas fingerprint lock manufacturer of integration and development.

3. Parameters

PARAMETER	DESCRIPTION	VALUE	UNIT
Dimension	Flex connector type, sensor body plus connector	20.4 x 33.4 x 5.5	mm
	BGA type, sensor body plus solder balls	20.4 x 33.4 x 2.8	mm
Active sensing area		10.64 x 14.00	mm
Size sensing array		152 x 200	pixel
Spatial resolution		363	dpi
Pixel resolution	256 gray scale levels	8	bit
Operating temperature		- 20 ... + 60	°C
Storage temperature		- 40 ... + 85	°C
ESD	IEC61000-4-2, air discharge	> ±15	kV
Surface robustness	Repetitive wear-and-tear cycles at 6N	> 1 000 000	cycle
Package type	FPC1011F1 - 8 pin flex connector, 1mm pitch, LIF	8	pin
	FPC1011F2 - 32 ball BGA	32	pin

4. Applications

- *Access control
- *Coffer
- *Door lock
- *Others security equipment

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