

➤ General Description

This product is a mini fingerprint algorithm

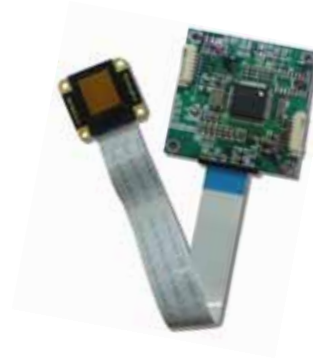
Module and can be used with Wison's

fingerprint sensor .It has a wide range of

applications but focuses mostly on things that

need authentication such as computer

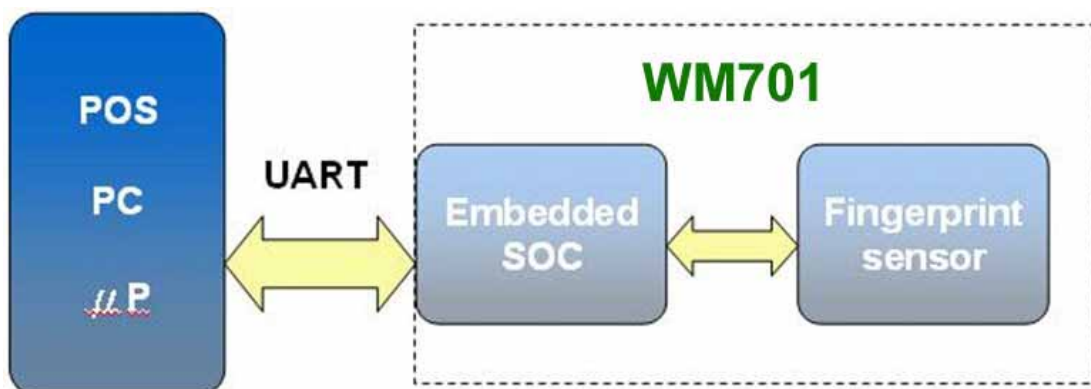
peripherals, safe boxes, briefcases, car locks, door locks, and can also replace current card systems to further enhance the level of security.



Features

- Stand Alone: WM701 can work without connecting to PC.
- High Performance: With high performance CPU, matching speed is less than 1 second.
- Small Size: WM701 is flexible to integrate to any device (P.O.S., Door lock...).
- Cost Effective: WM701 make your prouduct more competitive.
- Easy Integration: It is very easy to capture fingerprint image, enroll and match fingerprint.through RS232/UART interface.
- ISO Standard: ANSI/INCIT 378 Compliant Extractor & Matcher.
- Low Power Consumption: WM701 can work with battery power supply.Compact and elegant
- Choice to set different security levels for different FRR/FAR demand
- Small template size
- Support verification on various platforms

. Block Diagram



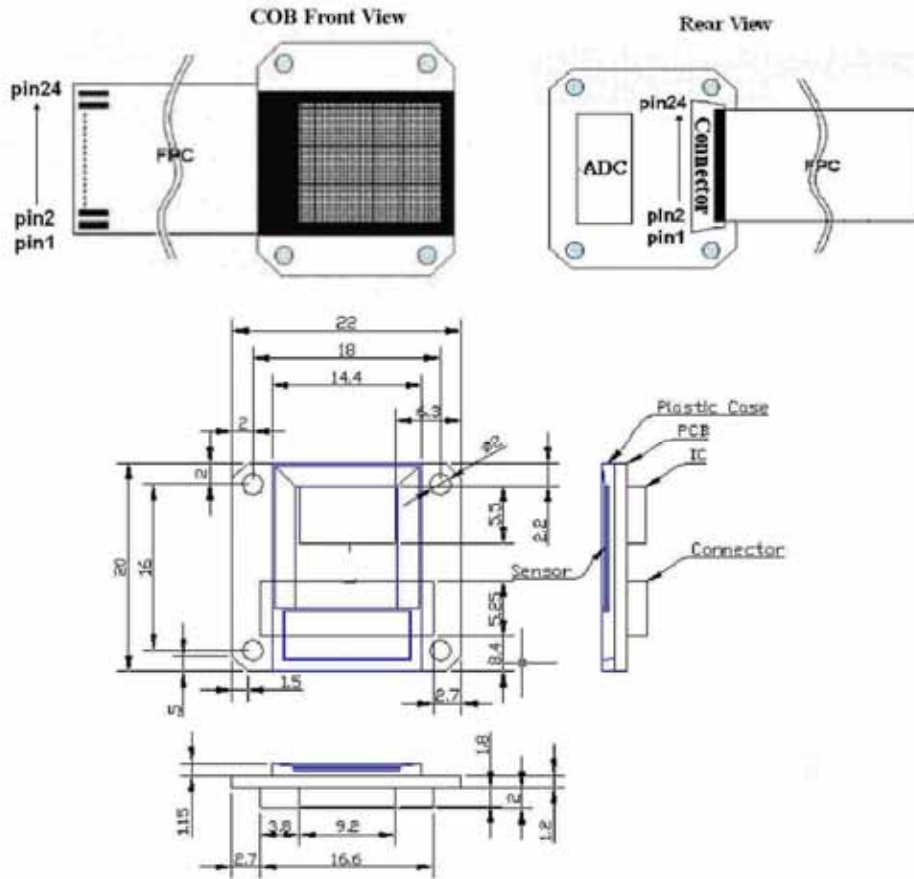
Specification

Sensors	Fingerprint Sensor(Capacitive)
Scanning Speed	1/10 second
Image Resolution	236 x 192 pixels, 508 dpi
Sensor Area	11.8mm x 9.6 mm
Gray Level	8 bits/pixel, max 256 gray scales
Interface	UART (115200, n, 8, 1) / RS232
Power	DC 5V (65mA)
Dimension(sensor)	22 x 20 x 5 mm
Dimension(main board)	40 x 40 x 5 mm
Operating Temperature	-5 ~ 50
Operating Humidity	0~80% Non-condense
Template Capacity	200
Verification speed	< 1.0 msec
Fingerprint Template Size	< 1KB
FRR (False Rejection Rate)	1/100
FAR (False Acceptance Rate)	1/100,000
ESD	>15 KV
Certification	FCC, ISO9001 : 2000

Connetor PIN Description

Name	No	States	Description
Null	1	---	---
Null	2	---	---
GND	3	Power	Ground
VCC	4	Power	DC5V (Max. 65mA)
TxDO	5	Singal	3.3V Base TTL UART
RXDO	6	Singal	3.3V Base TTL UART
NRST	7	Singal	Module Reset(Low Active)

Mechanical Dimensions



- **Normal Working Scene of SDK Demo**
(Capture fingerprint image for Windows XP)

