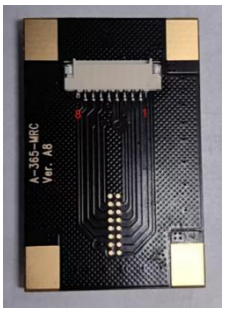
A8 Fingerprint Module





A8 FINGERPRINT MODULE

The A8 fingerprint module is a compact fingerprint reading module. The sensor is based on capacitive-contact technology with hardened surface and enhanced ESD Resistivity

FEATURES

1. 2D capacitive fingerprint area sensor
2. sensor array of 360x256 pixels
3. 508 DPI spatial resolution
4. 8-bit gray levels
5. 18.0 mm x 12.8 mm active sensing area
6. High speed SPI interface
7. Image capture speed up to 2 Mpixel/sec
8. ESD protection : + / - 15kV (Air mode)
9. Low power : Normal and Stand-by modes
10. > 3.5 million finger placements
11. FPC/FFC connection interface
12. SMD (SMT Device) design (optional)

SPECIFICATION

Parameter	Value	Unit
Dimensions	34.40x22.40x4.20	mm
Dimensions(sensor)	20.84x13.30	mm
RCA(sensor)175g	>200	cycles
ESD(IEC61000-4-2,level X,air discharge)	+/-15	KV
Operating temperature range	-20 ~ 80	℃
Extended humidity range	< 90	%
Operating voltage range	3.0~3.6	V
IO pin voltage range	3.0~3.6	V
Supply current Normal mode	8(max)	mA
interface	SPI	

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INTERFACE: FPC/FFC connection (Default)

The A8 module uses 8 pin FPC/FFC to communicate with other device.
Data transfer uses SPI interface

PIN NO.	PAD Name	Description
1	MISO	SPI MISO
2	VDD	3.0 to 3.6V power input
3	RESET	Module reset
4	SCK	SPI CLOCK
5	VSS	Ground
6	MOSI	SPI MOSI
7	CS	Active low signal to select the device
8	INT	NC

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