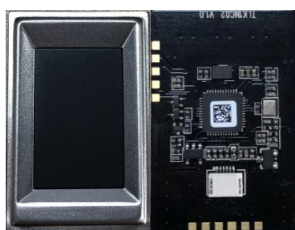


Silicon Fingerprint OEM Module

FPR-220

Product Specification



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1. Product Overview

1.1 Brief Introduction

MIAxis® model FPR-220 is an integrated Capacitive Fingerprint Module, featured with large active platen area and FBI certified high quality 256*360 pixel image. The module supports on-board fingerprint image processing, template extraction, fingerprint matching (including 1: 1 and 1: N), template storage and other functions. Easy to integrate into biometric hardware terminals.

1.2 Application

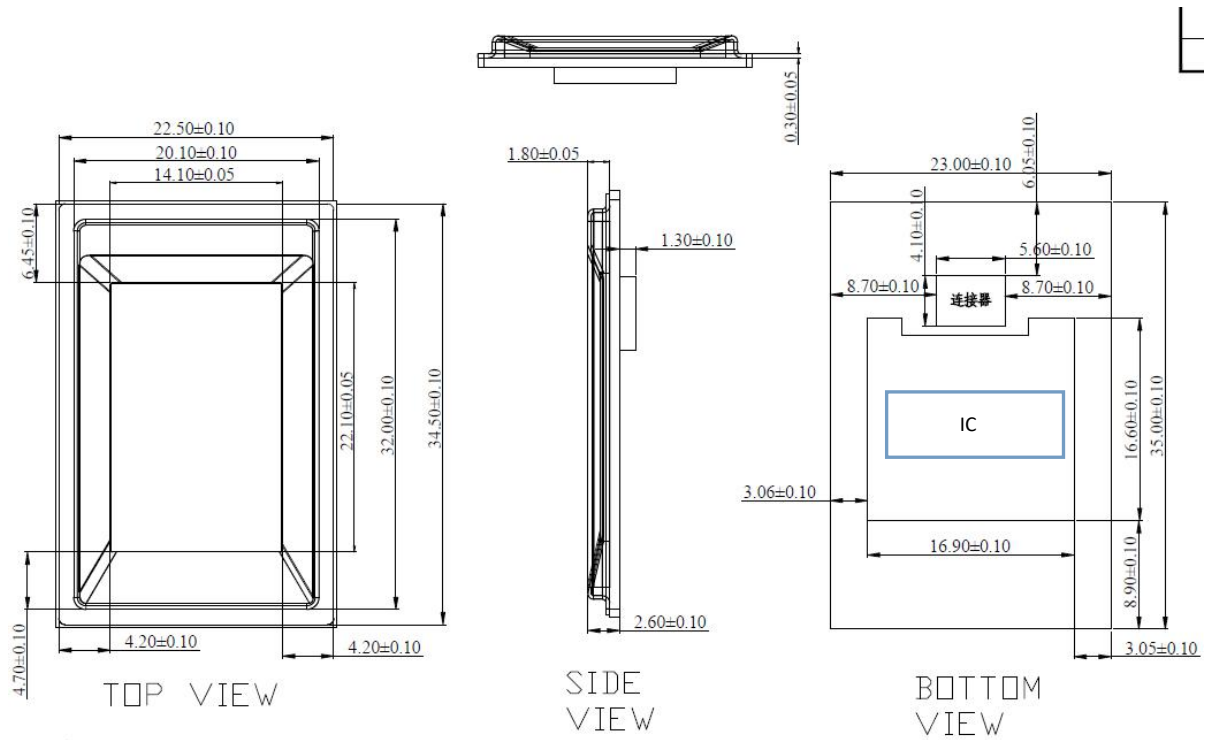
Widely used for information security, access control, identity verification industries.

2. Product Specification

2.1 Technical Parameters

Specification	Detail
Sensor type	Capacitive Sensor, TLK1D
Active platen area	12.8 x 18.0mm
Image Size	256*360pix(W*H)
Image resolution	508dpi
Enrollment time (Placement to Template)	≤250ms
Grey scale	8 bit, 256 levels
ESD immunity	±8kV contact discharge, ±15kV air discharge
Supply voltage	DC 5V±5%
Max. work supply	≤200mA
Communication interface	USB&UART
Operating Temperature	-10°C to +55°C
Storage Temperature	-20°C to +60°C
Operating humidity	20%RH~90%RH
Product size(L*W*H)	35.2*23.1*4.7mm(L*W*H)
Operating system environment	Windows ,Android, Linux

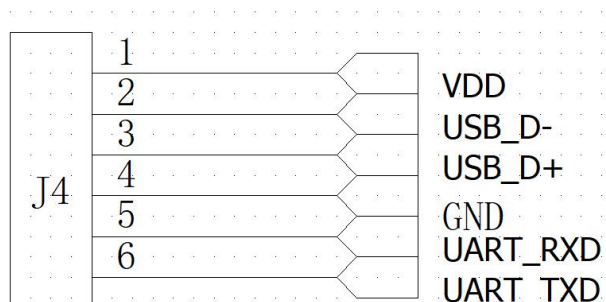
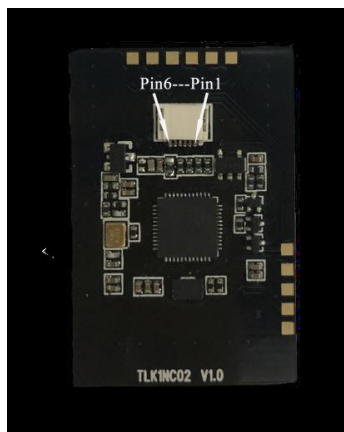
2.2 Mechanical Dimension



Unit: mm

2.3 Output interface

The device connector is J1 with 0.5mm*10P FPC spec, with following pin definition,



Pin No.	Sym bol	Type	Function
1	VDD	P	5V power supply
2	USB _D-	I/O	USB Data Signal D-
3	USB _D+	I/O	USB Data Signal D+
4	GN D	P	Power Ground
5	UAR T_R XD	I	UART Rx
6	UAR T_T XD	O	UART Tx