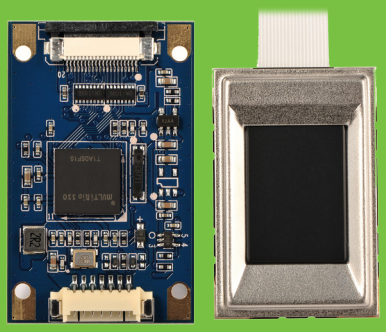
Bio30M

Ultra Slim USB Fingerprint Module

High-performance embedded electro-silicon module



Overview

Bio30M is an advanced embedded electro-silicon fingerprint module developed by ZKTeco specialized for the system integration device. It adapts ZKTeco ZKFinger V10.0 fingerprint algorithm, and integrates high-performance ARM core processor and internationally top semi-conductor fingerprint sensor. It is compactly designed with small size, easy development, fast collection, high anti-spoof ability, and multiple interfaces etc., which make it easy to be embedded into various terminal devices.

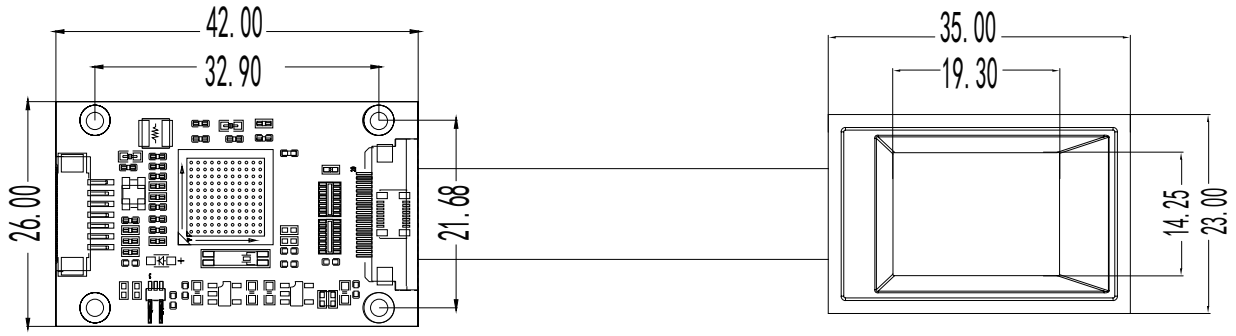
Features

- Fingerprint enrollment, image capture, template extraction, fingerprint matching (including 1: 1 and 1: N), template deletion and other functions
- The algorithm supports automatic correction recognition, support 360 ° rotation collection match
- Light and small, can be flexibly embedded into a variety of products
- Can provide an open application program interface (SDK)

Specifications

Model Name	Bio30M
Material	Electro-Silicon
CPU	280MHz DSP
Flash	32 MB
SoC	RTOS
Encrypted Fingerprint Data	YES
Water Splash	No
Dry, Wet, or Rough Fingerprints	Work well
Power Consumption	5V:200mA Scanning;5V:100mA idle (waiting for finger)
Live Fingerprint Detection	No
LED	None
Power Voltage	5V (USB) / 3.3V (TTL-RS232)
Power Current	200mA
Communication	UART (115200bps / TTL3.3V) / USB 2.0
Interface Socket	Molex 51021- 0700 (7 pin; 1.25 mm)
Image Resolution	508dpi
Effective Collecting Area	12.8*18.0mm
Image Size	256*360pixel
Module Size	Motherboard: 42.0*26.0*5.08mm (L*W*H) Sensor: 35.0*23.0*3.66mm (L*W*H)
Image Format	RAW, BMP, JPG
Template	ZKFinger V10.0 ; ISO19794-2 ; ANSI-378
Template Size	1- 4KB (ZKFinger V10.0);1568 B (ISO 19794-2)
Gray Level	256
Operating Environment	-20 ℃ ~ +50 ℃; 90% r.h.
ISO/ANSI Support	ISO-19794-2/4 ANSI-378

Configuration



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