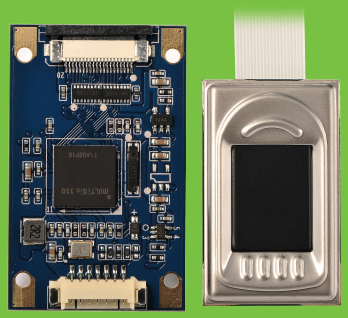
Bio31M

Ultra Slim USB Fingerprint Module

High-performance embedded electro-silicon module



Overview

Bio31M is an advanced embedded electro-capacitive fingerprint module developed by ZKTeco specialized for the system integration device. It adapts ZKTeco ZKFinger V10.0 fingerprint algorithm as core, and adapts high-performance ARM core processor and internationally top semi-conductor fingerprint sensor. It is an off-line fingerprint module with ultra-high performance.

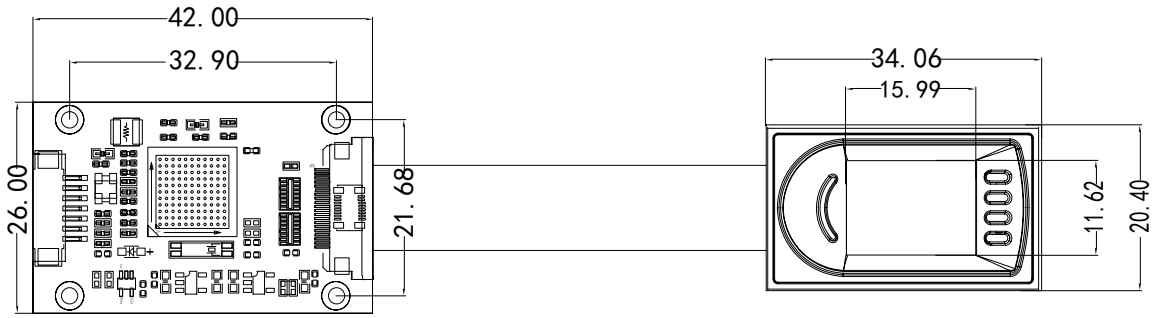
Features

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

Specifications

Model Name	Bio31M
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
Product Certifications	FCC, CE, RoHS
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	10.4*14.0mm
Image Size	208*288pixel
Module Size	Motherboard:42.0*26.0*5.08mm(L*W*H) Sensor:34.06*20.4*2.47mm(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 °C ~ +50 °C; 90% r.h.
ISO/ANSI Support	ISO-19794-2/4 ANSI-378

Configuration



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