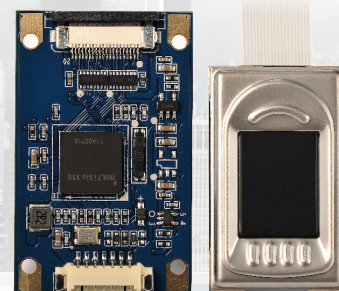


Bio31S

Ultra Slim USB Fingerprint Module

High-performance embedded electro-silicon module



Overview

Bio31S 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 as core, and adapts high-performance ARM core processor with internationally top semi-conductor fingerprint sensor. It is an offline fingerprint module with ultra-high performance.

Features

- The algorithm supports automatic correction recognition, supports 360 ° rotation collection match
- Fingerprint enrollment, image capture, template extraction, fingerprint comparison (including 1: 1 and 1: N), template deletion and more functions
- Light and small in size, can be flexibly embedded into various products
- Open application program interface (such as SDK) available
- Supports dry, wet or rough fingerprints

Specifications

Model Name	Bio31S
Material	Electro-Silicon
CPU	280MHz DSP
Flash	32 MB
SoC	RTOS
Encrypted Fingerprint Data	Yes
Power Consumption	5V 200mA (normal operation); 5V 100mA (idle mode)
Fingerprint Liveness Detection	No
LED	None
Power Voltage	5V (USB) / 3.3V (TTL-RS232)
Power Current	200mA
Communication	UART (115,200bps / 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 * 288 pixel
Module Size (L*W*H)	Motherboard:42.0 * 26.0 * 5.08mm(L * W * H) Sensor:34.06 * 20.4 * 2.47mm(L * W * H)
Image Formats	RAW, BMP, JPG
Template	ZKFinger V10.0 ; ISO19794-2 ; ANSI-378
Template Size	1- 4KB (ZKFinger V10.0); 1,568 B (ISO 19794-2)
Grayscale	256
Operating Environment	-20 °C ~ +50 °C; 90% r.h.
ISO/ANSI Support	ISO-19794-2/4 ANSI-378

Dimensions (mm)

