

SLK20S

Standalone Fingerprint Module



Overview

SLK20S is an enhanced version of the SLK20M fingerprint module. It supports a fingerprint acquisition module with a large capacity and a template storage expansion function. Its transmission performance is more stable, and the fingerprint comparison speed is faster than SLK20M.

Integrating with the excellent fingerprint recognition algorithm, ZKFinger V10.0, independently developed by ZKTeco, the product can quickly realize offline extraction and comparison of fingerprint templates on the module, and support fingerprint template comparison on the host.

It provides a complete SDK, supporting the secondary development integration of Windows, Android and Linux systems and fulfilling a variety of adaptation scenarios, such as time & attendance, access control, self-service terminals and other equipment requiring identity authentication.

Features

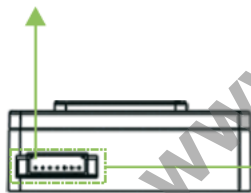
- Light and mini (thickness of the sensor is only 16mm)
- Local encrypted storage of 8,000 fingerprint templates
- Offline fingerprint comparison available
- Embedded 2-megapixel CMOS, providing clear and high-quality fingerprint images
- FBI PIV, Mobile ID FAP20, and STQC certified
- Developed based on the Linux operating system, stable and excellent security performance
- Fingerprint comparison speed is 4 times faster than SLK20M with the same storage capacity

Specifications

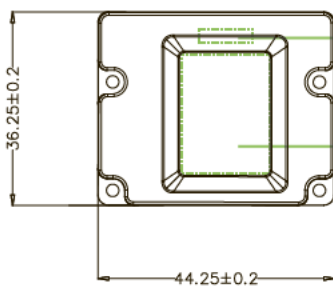
Physical	Dimensions (L * W * H)	1.72 * 1.4 * 0.6 inch / 44 * 36 * 16 mm
Sensor	Capture Dimensions (W * H)	0.6 * 0.8 inch / 15.24 * 20.32 mm
	CPU	1GHz
Accuracy	FRR (False Rejection Rate)	<1%
	FAR (False Accept Rate)	<0.0001%
Image	Distortion Rate	<1%
	Image Resolution	500DPI
	Image Size	300 * 400 pixels
	Template Size	<2KB
S/W	Supported Algorithm	ZKFingerV10.0
	Capacity	8,000 templates (max. 10,000)
	Matching Speed	110ms (1:1); 937ms (1:10,000)
	Operating Systems	Windows 7 or higher; Android 5.1 or higher; Linux
H/W	Power Consumption	5V, 130mA (Active) / 5V, 70mA (Standby)
	Temperature	0°C ~ 45°C / 32°F ~ 113°F
	Humidity	20 ~ 90% RH (non-condensing)
	Interface	USB 2.0 UART (115200bps / TTL 3.3V)
	Connector	Molex 51021-0700 (7-way; 1.25mm)
Certifications	PIV, STQC, CE, FCC, RoHS	

Dimensions

Connector Pin 1



PIN	1	2	3	4	5	6	7
Detail	+5v	GND	Shield	USB D-	USB D+	UART	UART



LED Indicator

Fingerprint Sensor

