

IDTECK 13.56MHz Secure and Credential Smart Card & Fingerprint Reader



- **Reads the Smart Card that encoded Fingerprint and ID**
- Verify ID without Centralized Database
- Store Your Fingerprint on Your Smart Card
- Protect against Security & Privacy Attack
- Privacy Protection & High Security Level



LX006SRB

**Security is Maximized
as the Fingerprint is Stored
on the Smart Card,
Not in Fingerprint Reader**

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IDTECK
Your Security Partner
SINCE 1989

IDTECK 13.56MHz Secure and Credential Smart Card & Fingerprint Reader LX006SRB



Key Features

- IDTECK 13.56MHz Secure and Credential Smart Card & Fingerprint Reader
 - Reads the Smart Card that encoded Fingerprint and ID
 - Operation Mode : Smart Card, Smart Card+Fingerprint (Smart Card only Function for Fingerprint Unregistrable Person)
 - Unlimited Fingerprint Users
 - Fingerprint Template and User ID are stored on Smart Card not Fingerprint Reader
 - Read Output Format : 26Bit Wiegand
 - Able to Scan Fingerprint from Any Angle
 - Fake Fingerprint Detection : Auto on Function & LIVE Fingerprint Detection
 - Designed to Withstand ESD (Electro Static Discharge) Shock
 - Verify ID without Centralized Database
 - The advantage of using smart card for fingerprint authentication is that the fingerprint information of the user is stored in the smart card
 - Store your Fingerprint on your Smart Card
 - The identity can be verified without relying on a centralized storage of user database
 - Protect against Security & Privacy Attack
 - As the user carries with user fingerprint information stored Smart card, this solves the problem of maintaining and synchronizing a central database, Scaling the system with increasing number of users and the need to protect the database and server from security attack as well as privacy concerns on the use of the biometric information
 - Privacy Protection
 - Security is Maximized as the Fingerprint is Stored in the Smart Card, not in the Device or Database Unlimited Fingerprint Users Registration
 - High Security Level
 - The personal biometric data is stored inside the personal Smart card, which eliminates all possibility of personal data being exposed to the public and need for management of separate database or templates Business Protection
 - Compatible Smart Card : ISC80B, ISK50B, IMC135B
 - Compatible RFID Readers: SR10BE, SR30B, SRK101B, SR10VB, SR30VB, SRK101VB
 - Standalone Controller (Fingerprint/ RFID) : XO100SRB, FINGER007SRB, SR505B
 - Compatible Fingerprint Reader : LX006SRB, FINGER006SRB, FGR006SRB
- * SRB products developed and manufactured by IDTECK are only compatible with SRB Series products



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Model	LX006SRB
Operation Mode	Smart Card + Fingerprint / Smart Card (Smart Card only Function for Fingerprint Unregistrable Person)
Compatible Card & Reading Range	ISC80B : Up to 4 Inch (10cm) ISK50B / IMC135B : Up to 2 Inch (5cm)
Reading Frequency	13.56MHz
Reading Time (Card)	30ms.
Fingerprint User	Unlimited (Fingerprint Template and User ID are stored on Smart Card not Fingerprint Reader)
Verification Time	Less than 1 sec.
Fake Fingerprint Detection	Auto on Function & LIVE Fingerprint Detection
Fingerprint Scan	Any Angle
Power / Current	DC 12V / Max.350mA
Input Port	3 EA: LED / Buzzer / Operation Mode Control
Output Port	3 EA: Error-Output, OK-Output, Tamper-Output (Open Collector)
Output Formats	26Bit Wiegand
LED Indicator / Buzzer	3 LED Indicators (Red, Green, Yellow) / Piezo Buzzer
Reverse Polarity Protection	Yes
Supervisory Signal	Yes (Optional)
Termination	PIN Cable
Cabling	24 AWG minimum, multiconductor stranded with an overall foil shield
Dimension(WxHxT)	69 x 127 x 43mm
Operating Temperature	Fingerprint Module: -20°C ~ +60°C (-4°F ~ 140°F) RF Reader: -35°C ~ +65°C (-31°F ~ +149°F)
Operating Humidity	10% to 90% relative humidity non-condensing
Color / Material	Black / Polycarbonate & ABS
Certifications	FCC, CE, KCC, RoHs

Fingerprint Module Specification

Sensing Type	High Quality Optical Sensing	Image Size	248 x 292 pixels
Sensing Area	13.2 x 15.2 mm	FRR	0.1%
Image Resolution	500 DPI	FAR	0.001%