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

FGR006SRB

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

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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 maintainining
    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 Fingerprnt 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
- Compatible Smart Card : ISC80B, ISK50B, IMC135B
- Compatible RFID Readers: SR10BE, SR30B, SRK101B, SR10VB, SR30VB, SRK101VB
- Compatible Standalone Controller (Fingerprint/ RFID) : XO100SRB, FINGER007SRB, SR505B
- Compatible Fingerprint Reader : LX006SRB, FINGER006SRB, FGR006SRB
- Compatible Access Control Panel : iMDC, iEDC, iFDC, iTDC, iCON100, 3ʳᵈ Party Access Control Panel

  * SRB products developed and manufactured by IDTECK are only compatible with SRB Series products

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Specifications

Model	FGR006SRB
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	2 EA: LED / Buzzer Mode Control
Output Port	3 EA: Error-Output, OK-Output, Tamper-Output (Open Collector)
Output Formats	26Bit Wiegand
LED Indicator / Buzzer	3 Array LED Indicators / Piezo Buzzer
Reverse Polarity Protection	Yes
Supervisory Signal	Yes (Optional)
Termination	Pigtail
Cabling	22 AWG with Overall Shield
Dimension(WxHxT)	66 x 127 x 52mm
Operating Temperature	Fingerprint Module: -20°C ~ +60°C RF Reader: -35°C ~ +65°C
Operating Humidity	10% to 90% relative humidity non-condensing
Color / Material	Black & Dark Gray / Polycarbonate
Certifications	FCC, CE, KCC, RoHs

Fingerprint Module Specification

Resolution	500 dpi	FAR / FRR	0.001% / 0.1%
Capture Image Size / Extract Image Size	640 x 480 pixels / 260 x 300 pixels	ESD Tolerance	±8KV
Sensor Area / Scanner	15 x 18.5mm / High Quality Optical Sensor	Encryption	AES128 Bit

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