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BLUE WEST
GmbH

13.56 MHz SECURE AND CREDENTIAL
SMART CARD & FINGERPRINT READER

Access Solutions Consulting
& Sales Company

For impressive entrances
For high quality solutions
For many applications



13.56 MHz SECURE AND CREDENTIAL SMART CARD & FINGERPRINT READER (FINGERPRINT / SMART CARD / PASSWORD)

BW-FINGER006SRB

- 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.

BW-FINGER006SRB

Security is maximized

As the fingerprint is stored on
the smart card,

Not in fingerprint reader



13.56 MHz SECURE AND CREDENTIAL SMART CARD & FINGERPRINT READER (FINGERPRINT / SMART CARD / PASSWORD)

Key Features

BW-FINGER006SRB



- 13.56 MHz secure and credential smart card & fingerprint reader;
- Reads the smart card that encoded fingerprint and ID;
- 16 numeric keypads with back lighting and LCD display;
- Operation mode : smart card (pin) + fingerprint, smart card (pin), smart card (pin) + password + fingerprint;
- Unlimited fingerprint users;
- Fingerprint template and user ID are stored on smart card not fingerprint reader;
- Read output format: 26 bit 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.

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Key Features

BW-FINGER006SRB



- 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;
- Compatible smart card: ISC80B, ISK50B, IMC135B;
- Compatible controllers: BW-iMDC, BW-iEDC, BW-iFDC, BW-iTDC, BW-iCON100, standalone controller, third party controller;
- * SRB products are only compatible with SRB series products.

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Specifications

Model	BW-FINGER006SRB		
Operation Mode	Smart Card (PIN) + Fingerprint, Smart Card(PIN), Smart Card (PIN) + Password + Fingerprint		
Compatible Card & Reading Range	ISC80B: Up to 4 Inch (10 cm) ISK50B / IMC135B: Up to 2 Inch (5 cm)		
Reading Frequency	13.56 MHz		
Reading Time (Card)	30 ms.		
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. 300 mA		
Input Port	2EA: Error-Input, OK-Input		
Output Port	3 EA: Error-Output, OK-Output, Tamper-Output (Open Collector)		
Output Formats	26 Bit Wiegand		
LCD / Keypad	Character LCD (2 Lines x 16 Char) / 16 Key Numeric Keypad with Back Lighting		
LED Indicator / Buzzer	7 Array LED Indicators / Piezo Buzzer		
Reverse Polarity Protection	Yes		
Supervisory Signal	Yes (Optional)		
Termination	Pigtail		
Cabling	22 AWG with Overall Shield		
Dimension(WxHxT)	161.5 mm x 134 mm x 48.5 mm		
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	Dark Pearl Gray / Polycarbonate		
Certifications	FCC, CE, KCC, RoHs		
Fingerprint Module Specification			
Resolution	500 dpi	FAR / FRR	0.001% / 0.1%
Image Size	248 x 292 pixels	ESD Tolerance	±8 KV
Sensor Area / Scanner	13.2 mm X 15.2 mm / High Quality Optical Sensor	Encryption	DES



Thank you for your attention