

**Bluewest.de**

info@Bluewest.de

**ADDRESS:**

Neuer Wall 71, c/o WorkRepublic

20354 Hamburg

Germany

**TEL & FAX:** +49 40 99 99 94 42 9



**BLUE WEST**  
GmbH

13.56 MHz SECURE AND CREDENTIAL  
SMARTCARD & FINGER PRINT READER

Access Solutions Consulting  
& Sales Company

For impressive entrances  
For high quality solutions  
For many applications



## 13.56 MHz SECURE AND CREDENTIAL SMARTCARD & FINGER PRINT READER

### BW-LX006SRB

- 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-LX006SRB

Security is maximized

As the fingerprint is stored

On the smart card, not in  
fingerprint reader

## 13.56 MHz SECURE AND CREDENTIAL SMARTCARD & FINGER PRINT READER

### Key Features



#### BW-LX006SRB

- 13.56 MHz 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: 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-LX006SRB**

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- 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: BW-SR10BE, BW-SR30B, BW-SRK101B, BW-SR10VB, BW-SR30VB, BW-SRK101VB;
  - Standalone controller (fingerprint / RFID): BW-XO100SRB, BW-FINGER007SRB, BW-SR505B;
  - Compatible fingerprint reader: BW-LX006SRB, BW-FINGER006SRB, BW-FGR006SRB;
- \* SRB products are only compatible with SRB series products.

# 13.56 MHz SECURE AND CREDENTIAL SMARTCARD & FINGER PRINT READER



## Specifications

<b>Model</b>	<b>BW-LX006SRB</b>		
Operation Mode	Smart Card + Fingerprint / Smart Card (Smart Card only Function for Fingerprint Unregistrable Person)		
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.350 mA		
Input Port	3 EA: LED / Buzzer / Operation Mode Control		
Output Port	3 EA: Error-Output, OK-Output, Tamper-Output (Open Collector)		
Output Formats	26 Bit Wiegand		
LED Indicator / Buzzer	3 LED Indicators (Red, Green, Yellow) / Piezo Buzzer		
Voice	Default: English (Optional: Korean / Spanish / Chinese)		
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 43 mm		
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		
<b>Fingerprint Module Specification</b>			
Resolution	500 dpi	FAR / FRR	0.001% / 0.1%
Capture Image Size / Extract Image Size	640x 480 pixels / 260x 300 pixels	ESD Tolerance	±8 KV
Sensor Area / Scanner	15x 18.5 mm / High Quality Optical Sensor	Encryption	AES128 Bit

Thank you for your attention