



## **B100 Series™** Swipe-Fingerprint Readers

**DATA SHEET**

- High quality swipe-fingerprint readers in small, sleek, and attractive packages
- Available in swipe: fingerprint-only, fingerprint + card, and fingerprint + PIN
- Card reader models available with Keri NXT + HID 125 KHz Proximity or MIFARE/DESFire capabilities
- Stores up to 100 fingerprint templates
- Multi-color LED bar to indicate access status
- Compatible with Keri's NXT Controllers and PXL-500W Tiger Controller
- Industry standard Wiegand output for compatibility with most 3rd party access control systems



**B100-S**  
Swipe-Fingerprint Only



**B100-SPX** Swipe-Fingerprint + Proximity  
**B100-SSC** Swipe-Fingerprint + Mifare



**B100-SKP**  
Swipe-Fingerprint + PIN

Keri's **B100™ Series Readers** provide reliable swipe-fingerprint reading in attractive and unobtrusive packages. Readers are available in fingerprint-only, fingerprint + card, and fingerprint + keypad versions. Typically used in higher security applications, they can be used either for primary user identification (fingerprint-only) or for secondary verification based on initial use of a card or PIN.

**B100 Series Readers** are compatible with Keri's NXT controllers with an NXT-WI Wiegand Interface, PXL-500W Tiger Controller, and 3rd party controllers that accept Wiegand-type readers. The readers contain an internal beeper and an LED bar to indicate fingerprint accepted and access granted/denied status for user feedback. Keypad and card models may be used outdoors with appropriate covers. Fingerprint template sharing between readers is done using RS-485 networking, with an option for TCP/IP. Keri's BioManager software is used for enrollment and template management.



[www.kerisys.com](http://www.kerisys.com)

302 Enzo Drive • San Jose, California 95138 • email: [sales@kerisys.com](mailto:sales@kerisys.com)  
Phone: 408-435-8400 • Toll Free: 800-260-5265 • Fax: 408-577-1792

# B100 Series™ Swipe-Fingerprint Readers

DATA SHEET - Page 2 of 2

## Specifications:

### Sizes:

B100-S

2.0" x 3.6" x 1"  
(51mm x 92mm x 25mm)

B100-SPX, B100-SSC, B100-SKP

3.9" x 3.7" x 1.2"  
(100mm x 95mm x 30mm)

### Weight:

B100-S: 12oz (.332 kg)

B100-SKP: 1.1lb (.491 kg)

B100-SPX: 1.1lb (.491 kg)

B100-SSC: 1.1lb (.491 kg)

### Material:

B100-S: Molded Aluminum

B100-SKP: Molded Aluminum

B100-SPX and B100-SSC:  
ABS Plastic

### Color:

Silver

### Output:

Wiegand (8-128 bits, 26 default),  
3' (1m) cable supplied

### Connection Method:

TCP/IP to first unit,  
RS-485 to subsequent units  
(TCP/IP optional)

### Programming:

Keri BioManager Software

### Capacity:

100 fingerprints  
(98 + 2 admin) / 98 codes

### Sensor Type:

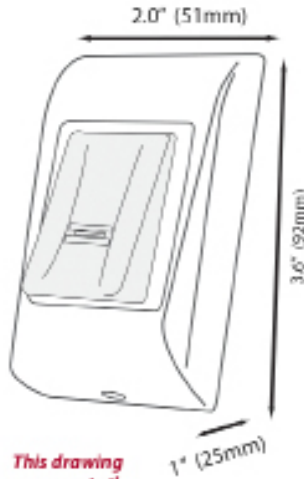
Capacitive swipe

### 1:1000 Read Time:

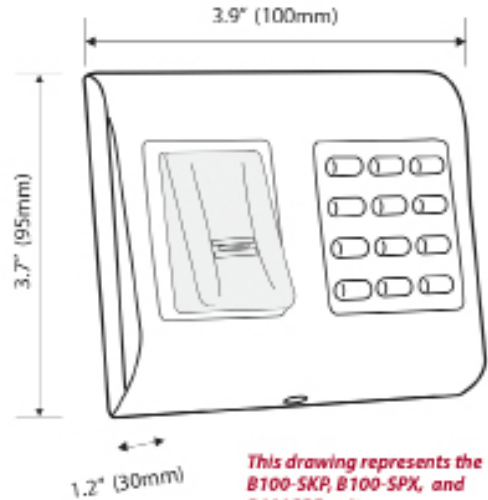
970 msec

### Supported Card Technologies:

Keri NXT and HID 125 KHz,  
MIFARE Classic/Plus/Ultralight,  
DESFire EM or AWID available  
upon request



This drawing represents the B100-S unit



This drawing represents the B100-SKP, B100-SPX, and B100-SSC units

### Power Requirements:

B100-S: +9-14VDC @ 100mA

B100-SKP: +9-14VDC @ 120mA

B100-SPX: +9-14VDC @ 200mA

B100-SSC: +9-14VDC @ 130mA

### Indicators:

Red Green Amber LED, beeper and  
small programming LED

### IP Rating:

IP-65 (outdoor use with  
required covers)

### Operating Temperature:

5°F to 122°F (-15°C to + 50°C)

*Specifications are subject to change  
without notice.*

### ORDERING INFORMATION:

Model #	Description
B100-S	Swipe-Fingerprint -Only Reader, indoor
B100-SKP	Swipe-Fingerprint Reader + Keypad
B100-SPX	Swipe-Fingerprint + Proximity Reader, (Keri NXT + HID 125 KHz)
B100-SSC	Swipe-Fingerprint + MIFARE Reader, (Classic/Plus, Ultralight, DESFire)

### RELATED PRODUCTS:

Model #	Description
B100-SKP-SA	100 Template, Stand-Alone, Swipe-Fingerprint Reader + Keypad
KBF-MINI	Cover for single reader
KBF-CVR	Cover for double reader
KBF-SGP	North American Single Gang Mounting Plate
KBF-DGP	North American Double Gang Mounting Plate
KBF-CNV	RS-485 to TCP/IP Converter
KBF-ENR	Fingerprint Enrollment Station
DNET-BIO	BioManager Software for fingerprint management



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