



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.



B100 Series™ Swipe-Fingerprint Readers

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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:

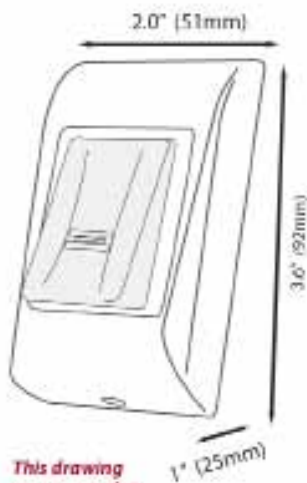
Capacitive swipe

1:1000 Read Time:

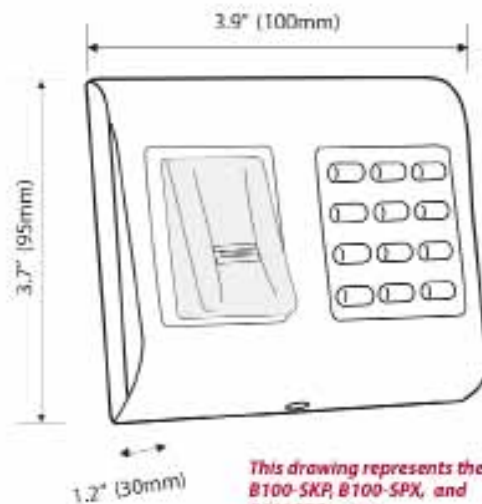
970 msec

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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