

BioSyncTM Biometric Fingerprint Readers

DATA SHEET

- High quality fingerprint readers in small, sleek, and attractive packages
- Available in 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 9500 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



KBF-1FPBioSync
Fingerprint-only





KBF-2PRBioSync Fingerprint + Proximity

KBF-2SC Fingerprint + Mifare



Keri's **BioSync™ Readers** provide reliable 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.

KER

BioSync 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

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

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Specifications:

Sizes:

2.0" x 3.6" x 1" (51mm x 92mm x 25mm) BioSync FP 3.9" x 3.7" x 1.2" (100mm x 95mm x 30mm) BioSync KP, BioSync PR and BioSync SC

Weight:

BioSync FP: 12oz (.332 kg) BioSync KP: 1.1lb (.491 kg) BioSync PR: 1.1lb (.491 kg) BioSync SC: 1.1lb (.491 kg)

Material:

BioSync FP: Molded Aluminum BioSync KP: Molded Aluminum BioSync PR and BioSync SC: 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:

9500 fingerprints

Sensor Type:

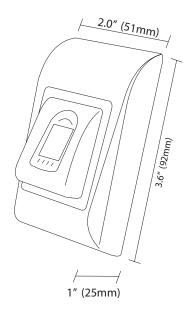
Capacitive

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



3.9" (100mm) Note: This drawing represents BioSync KP, BioSync PR, and BioSync SC

Power Requirements:

KBF-1FP: +9-14VDC @ 100mA KBF-2PR: +9-14VDC @ 120mA KBF-2SC: +9-14VDC @ 200mA KBF-3KP: +9-14VDC @ 130mA

Indicators:

Red Green Amber LED, Beeper

IP Rating:

BioSyncFP: IP54 (indoor only) All other units: IP-65 (outdoor use with required covers)

Operating Temperature:

KBF-1FP: 32°F to 104°F (0°C to + 40°C)

Others:

5°F to 122°F (-15°C to + 50°C)

Specifications are subject to change without notice.

ORDERING INFORMATION:

Model #	<u>Description</u>	
KBF-1FP	Fingerprint-only Reader, indoor	
KBF-2PR	Fingerprint + Proximity Reader, (Keri NXT + HID 125 KHz)	
KBF-2SC	Fingerprint + MIFARE Reader (Classic/Plus, Ultralight, DESFire)	
KBF-3KP	Fingerprint Reader + Keypad	

RELATED PRODUCTS:

Model #	<u>Description</u>	
KBF-CVR	Cover for KBF-2 and KBF-3 Readers	
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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