

miPASS)))



XKseries

BQT's Biometric range of readers delivers high-level security features all at your fingertips.

The miPASS Bio-XK Series range offers the ultimate security by combining leading-edge fingerprint scanning technology and encryption for secure user verification and authentication, limiting exposure through lost or stolen access cards.

Card holder's access control data and fingerprint template is encoded directly into the memory chip of the miPASS card, which is secured with encryption keys protecting the card holder's information from being compromised.

The Bio-XK Series reads the cardholder's data from the memory chip of a miPASS card and only transmits to a door controller once a valid finger has been presented.

In addition to the smart card reader + fingerprint verification device, the BIO-XK is fitted with a 4 x 3 keypad and 4 programmable function keys.

Authentication is performed locally within the Bio-XK Series reader and does not require reference to a centralised database, thus improving performance by minimising verification time and eliminating privacy concerns. The 1:1 matching method eliminates False Acceptance Rates (F.A.R) normally prone to 1:N (1 to many) systems.

Ideal for new site installations or security enhancements of any existing access control systems using Mifare, 'Swipe' or 'Prox' (125 KHz) card and reader technologies, the Bio Series offers a cost effective solution for high security requirements.

Available in three different models, the miPASS Bio-XK Series range caters for all high level security requirements large or small, whether your projects are price or functionality driven.



smartersecuritytoday



miPASS BIO-XK series models

DF910-XK

BT910-XK

miPBio-XK

DESFire Technology

The DESFire fingerprint reader offers 3DES encryption between a DESFire card and reader, delivering the most secure card transaction process available. It can be configured with various output protocols and programmed with customised encryption keys unique to each customer.

Mifare Technology

The Mifare fingerprint reader can be configured to various output protocols and programmed with customised encryption keys unique to each customer. Also upgradeable with further security enhancements when requirements increase.

SPEK Technology

The miP fingerprint reader features miPASS SPEK (Secure Proximity Encryption Keys) for secure transmission between a miPASS card and the reader. A secure, cost effective solution or upgrade for any system. Available in Wiegand output protocol only.

miPASS BIO-XK series specifications

	DESFire	Mifare	miP
card type	DESFire13.56MHz ISO14443A	Mifare 13.56MHz ISO14443A	Mifare 13.56MHz ISO14443A
miPASS card options	4KB (other sizes & KeyTag optional)	1KB & 4KB (other sizes & KeyTag optional)	1KB & 4KB (KeyTag optional)
sector keys	• Customisable • Site specific	• Customisable • Site specific	miPASS Secure Proximity Encryption Keys (SPEK)
read & write	YES	YES	YES
encryption	• 3DES format from reader to card • AES 128/256 bit from reader to controller via RS485. (HSM unit required)	• Mifare standard format from reader to card • AES 128/256 bit from reader to controller via RS485. (HSM unit required)	Mifare standard format, utilising SPEK from reader to card
output protocol	• Wiegand 26 – 199 bit • RS485 • Or custom configurations	• Wiegand 26 – 199 bit • RS485 • Or custom configurations (can be customised to work with miPASS CSN reader range).	Wiegand 26 bit only
power requirement	12 Vdc @1/2 amp regulated		
current consumption – normal – activated	120mA 370mA		
tamper switch	Internal Magnet/External Reed switch		
card read range	20-40mm (0.8" - 1.6") (typically)		
operating temperature	0°C to +55°C (32°F to 131°F)		
relative humidity	90% max, operating non-condensing		
reader dimensions	188mm (L) x 121mm (W) x 60mm (D)		
status LED's	Red/Green, Blue, Yellow		
audible tone	Internal or external Buzzer control		
colour finish	Ivory		
certifications	FCC, CE, C-Tick		
IP Rating	IP65 – Internal & external applications		
warranty	1 year		

BQT offers a complete range of smart card access control solutions to suit all physical & IT security requirements, including highly secure biometric, data encryption and CCTV technologies.

For further information, please visit our website www.bqtsolutions.com or contact us at one of our global locations.

Australia & Asia Pacific
Level 4
65 Epping Road
North Ryde NSW 2113 Australia
Phone: +61 (0)2 8817 2800
Fax: +61 (0)2 8817 2811
Email: sales@bqtsolutions.com

United Kingdom & EMEA
Global House
1 Ashley Avenue, Epsom
Surrey KT 18 5AD United Kingdom
Phone: +44 (0)20 8823 9350
Fax: +44 (0)20 8823 9001
Email: info@bqtsolutions.co.uk

America
30021 Tomas Street, Suite 300
Rancho Santa Margarita CA 92688
United States of America
Phone: +1 877 278 2637 (ext 42)
Fax: +1 877 278 2637
Email: salesusa@bqtsolutions.com

China
Suite 1602, No.75, ShengDa Garden
2518 LongHua Road, XuHui District
Shanghai, P.R.China
Phone: +86 21 5407 3638
Fax: +86 21 5407 3738
Email: china@bqtsolutions.com