bqt SOLUTIONS **miPASS)))**

BIO-X Series

DF910-X | BT910-X | miPBio-X | CSNBio-X
DF910-XK | BT910-XK | miPBio-XK | CSNBio-XK

miPASS)))

bqt

Indoor/Outdoor Biometric readers
designed for all security applications
and all weather conditions

smartersecuritytoday

BQT's miPass range of DESFire and Mifare 13.56Mhz readers are the ideal choice for High Security with Peace of Mind. BQT has the best readers for every application including single, dual and triple factor authentication.

Learn More miPass Bio-X Series

The miPASS Bio-X Series delivers the ultimate security by combining leading-edge fingerprint scanning and encryption technology, in a robust and weather-proof package.

How it Works
The access control data and fingerprint template of the card holder is encoded directly into the memory chip of the miPASS card. The miPASS Bio-X Series reads this data from the card and compares it to a live finger scan for verification. This 'Match on Card' method improves performance and minimises verification time.

Access is either granted or denied by the access control system once a user is authenticated, which occurs locally within the miPASS Bio-X Series. The system also does not need to reference a centralised database for authentication.

Bio-X Series Models: (The Bio-X Series comes in two base models)
- Bio-X - Fingerprint + Card
- Bio-XK - Fingerprint + Card + PIN

The Bio-XK includes a 12 button keypad and programmable function keys, enabling greater system flexibility and security. It provides an extra layer of verification over the Bio-X by adding a PIN code for the user.

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-X Series offers a cost effective solution for high security requirements.

The Bio-X and Bio-XK are both available in four different models, catering for all security requirements large or small, whether your projects are price or functionality driven.

miPass Bio-X Series Formats

» DESFire Technology
The DF910-X & XK 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 BT910-X & XK 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 miPBio-X & XK 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.

» Card Serial Number
The CSNBio-X & XK reader will read any Mifare Smart Card's unique serial number and is available in 32 or 34 bit outputs.

miPASS Bio-X series Specifications

* Note specifications may change on products amended or updated without notice

	DF910-X	DF910-XK	BT910-X	BT9-XK10	miPBio-X	miPBio-XK	CSNBio-X	CSNBio-XK
Keypad	N/A	12 button + 4 function keys	N/A	12 button + 4 function keys	N/A	12 button + 4 function keys	N/A	12 button + 4 function keys
Card type	DESFire 13.56MHz - ISO14443A		Mifare 13.56MHz - ISO14443A		Mifare 13.56MHz - ISO14443A		Mifare 13.56MHz -ISO14443A	
miPASS card options	4KB		1KB & 4KB - other sizes & Keytag optional.		miP Card 1KB & 4KB - Keytag optional		Mifare 1KB & 4KB	
Card read type	Application & File		Sector		Sector		Card serial number	
Reader/card keys	- Customisable - Site specific		- Customisable - Site specific		miPASS SPEK		N/A	
Read & write	√		√		√		Read only	
Set-up card function	√		√		X		X	
Firmware upgradable	√		√		X		X	
hsm compatible	√		√		X		X	
Reader/card keys	- Customisable - Site specific		- Customisable - Site specific		miPASS SPEK		N/A	
Power requirement	112 Vdc @ 1/2 amp regulated							
Current consumption - normal - activated	120mA 370mA							
Tamper enabled	Internal Magnet/External Reed switch (optional)							
Card read range	20-40mm (0.8" - 1.6") (typically)							
Operating temperature	$0^{o}C$ to $55^{o}C$ ($32^{o}F$ to $131^{o}F$)							
Relative humidity	90% max, operating non-condensing							
Reader dimensions	188mm (L) x 121mm W) x 60mm (D) (7.40" x 4.76" x 2.36")							
Status LED's	Red/Green, Blue, Yellow							
Audible tone	Internal & external Buzzer control							
Colour finish	Two Toned Charcoal & Grey, Two Toned Ivory & Grey							
IP Rating	IP65 - External or internal applications							
Bio sensor	Optical							
Warranty	12 months							

BQT offers a complete range of smart card access control solutions to suit all physical and 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.**

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