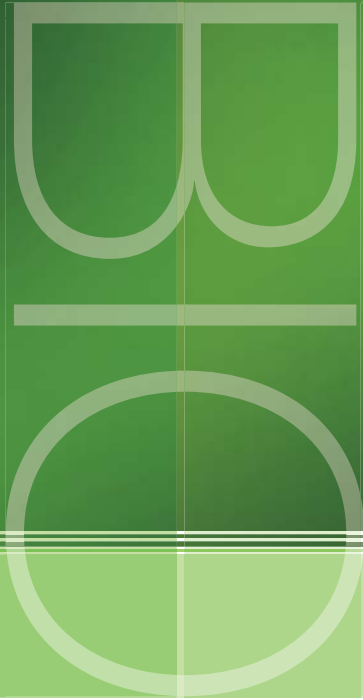


miPASS)))



# series

BQT's miPASS range of Mifare 13.56MHz Biometric readers is the ideal choice for high security applications.

- > **DF910**
- > **BT910**
- > **miPBio**

**Tested and  
SCEC endorsed  
by ASIO T4  
Protective  
Security.**

The miPASS Bio 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 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.

Authentication is performed locally within the Bio 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 Series range caters for all high level security requirements large or small, whether your projects are price or functionality driven.



**smartersecuritytoday**



# miPASS Bio series models

## DF910

### DESFire Technology

The DF910 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.

## BT910

### Mifare Technology

The BT910 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.

## miPBio

### SPEK Technology

The miPBio 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 series specifications

	DF910	BT910	miPBio
<b>card type</b>	DESFire 13.56MHz ISO14443A	Mifare 13.56MHz ISO14443A	Mifare 13.56MHz ISO14443A
<b>miPASS card options</b>	4KB (other sizes & KeyTag optional)	1KB & 4KB (other sizes & KeyTag optional)	1KB & 4KB (KeyTag optional)
<b>sector keys</b>	<ul style="list-style-type: none"> <li>• Customisable</li> <li>• Site specific</li> </ul>	<ul style="list-style-type: none"> <li>• Customisable</li> <li>• Site specific</li> </ul>	miPASS Secure Proximity Encryption Keys (SPEK)
<b>read &amp; write</b>	YES	YES	YES
<b>encryption</b>	<ul style="list-style-type: none"> <li>• 3DES format from reader to card</li> <li>• AES 128/256 bit from reader to controller via RS485. (HSM unit required)</li> </ul>	<ul style="list-style-type: none"> <li>• Mifare standard format from reader to card</li> <li>• AES 128/256 bit from reader to controller via RS485. (HSM unit required)</li> </ul>	Mifare standard format, utilising SPEK from reader to card
<b>output protocol</b>	<ul style="list-style-type: none"> <li>• Wiegand 26 – 199 bit</li> <li>• RS485</li> <li>• Or custom configurations</li> </ul>	<ul style="list-style-type: none"> <li>• Wiegand 26 – 199 bit</li> <li>• RS485</li> <li>• Or custom configurations (BT910 can be customised to work with miPASS CSN reader range).</li> </ul>	Wiegand 26 bit only
<b>power requirement</b>	12 Vdc @ 1/2 amp regulated		
<b>current consumption</b> – normal – activated	120mA 370mA		
<b>tamper switch</b>	12V max – dry circuit		
<b>card read range</b>	20-40mm (0.8" - 1.6") (typically)		
<b>operating temperature</b>	0°C to +55°C (32°F to 131°F)		
<b>relative humidity</b>	90% max, operating non-condensing		
<b>reader dimensions</b>	140mm (L) x 59mm (W) x 65mm (D) (5.5" x 2.33" x 2.50")		
<b>status LED's</b>	Amber, Green & Red		
<b>audible tone</b>	Internal or external Buzzer control		
<b>colour finish</b>	Two toned – Silver & Charcoal		
<b>certifications</b>	ASIO-T4 endorsed, FCC, CE, C-Tick		
<b>IP Rating</b>	IP40 – Internal applications only		
<b>warranty</b>	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](http://www.bqtsolutions.com) or contact us at one of our global locations.**

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