



series

BQT's miPASS suite of Mifare 13.56MHz PC readers is the gateway to secure user authentication for IT security applications such as PC Login, Data Encryption, Network Security and Single Sign-On.

BIOMETRIC

- > miB-DF
- > miB
- > miB-P

The miPASS PC Series range offers the latest in IT security for networks, workstations, PC's and software applications. Superior security is delivered through encryption and user authentication features, utilising the one smart card for a PC logon, photo ID and building access requirements.

SMART CARD

- > miC-DF
- > miC
- > miC-P

The PC Series readers are activated via the detection of a miPASS card and/or fingerprint. A card holder's pre-encoded data is stored in the memory chip of a miPASS card, such as a Password/PIN or fingerprint template to authenticate the card holder. Upon validation an encrypted password is sent to the PC for processing by an application with flexible user options, such as securing a drive or folder, creating a secure internet link, logging off or shutting down a PC.

Authentication is performed locally within the PC Series reader and does not require reference to a centralised database, thus improving performance and eliminating privacy concerns.

Combined with the adaptability of Mifare technology, the readers facilitate the future proofing of your investment in secure access control. The memory structure of the miPASS card allows for multiple applications to be added to the card, such as the integration with miPASS readers for building access control. BQT's miPASS technology allows you to share the same card for building access and IT security, giving you a 'one card' solution to cater for all access control requirements for years to come.

The miPASS PC Series range, miB and miC readers, are both available in three different models depending on your security requirements.

miPASS PC series models

miB-DF miC-DF

DESFire Technology

The miB-DF & miC-DF DESFire readers offers 3DES encryption between a DESFire card and reader, delivering the most secure card transaction process available. It can be configured with customised encryption keys unique to each customer.

miB miC

Mifare Technology

The miB & miC Mifare readers can be configured with customised encryption keys unique to each customer.

miB-P miC-P

SPEK Technology

The miB-P & miC-P readers feature miPASS SPEK (Secure Proximity Encryption Keys) for secure transmission between a miPASS card and the reader.

miPASS PC series specifications

	miB-DF	miC-DF	miB	miC	miB-P	miC-P
authentication methods	Fingerprint & card	Card only	Fingerprint & card	Card only	Fingerprint & card	Card only
card type	DESFire 13.56MHz ISO14443A		Mifare 13.56MHz ISO14443A		Mifare 13.56MHz ISO14443A	
miPASS card options	4KB (other sizes optional)		1KB & 4KB (other sizes optional)		1KB & 4KB	
sector keys	<ul style="list-style-type: none"> • Customisable • Site specific 		<ul style="list-style-type: none"> • Customisable • Site specific 		miPASS Secure Proximity Encryption Keys (SPEK)	
read & write	YES		YES		YES	
encryption	<ul style="list-style-type: none"> • 3DES format from reader to card 		<ul style="list-style-type: none"> • Mifare standard format from reader to card 		<ul style="list-style-type: none"> • Mifare standard format, utilising SPEK from reader to card 	
reader output	USB 1.1 peripheral device					
power requirement	High current BUS powered USB 1.1 peripheral (5Vdc)					
current consumption	370ma max (peak), 120ma max (quiescent) @ 5Vdc					
card read range	Card insert operation					
operating temperature	0°C to + 55°C (32°F to 131°F)					
relative humidity	90% max, operating non-condensing					
reader dimensions	117mm (L) x 76mm (W) x 28mm (D) (4.61" x 3" x 1.1")					
drivers	Drivers for Microsoft® Windows®					
status LED's	POWER – Red STATUS – Green, Amber, Red					
audible tone	-2.7kHz @ -40db, PC controlled					
colour finish	miB – Charcoal & Silver miC – Charcoal					
weight	300 grams (10.58 oz)					
termination	150cm (59") USB cable					
environmental	Indoor use only					
warranty	miB – 1 year miC – 3 years					
certifications	FCC, CE, C-Tick					

Software development kits are available for all models for third party product integration.

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.

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