

miPASS



X:series

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

The miPASS Bio-X 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-X 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-X 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, ~~Swipecor~~ 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-X Series range caters for all high level security requirements large or small, whether your projects are price or functionality driven.

	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 Vd _o 1/2 amp regulated	
current consumption – normal – activated		120mA 370mA	
tamper switch		12V max – dry circuit	
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 128mm (W) x 59mm (D)	
status LED's		Amber, Green & Red	
audible tone		Internal or external Buzzer control	
colour finish		Black	
certifications		ASIO-T4 endorsed, FCC, CE, C-Tick	
IP Rating		IP65 – Internal & external applications	
warranty		1 year	

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For further information, please visit our website

www.centrasecurity.co.uk