

miPASS 3 Series Keypad + LCD

The 3 Series reader is designed for applications where a high-level of security is required by combining smart card identification with a personal identification number (PIN) for secure user authentication and verification.

BQT's miPASS range of Mifare (13.56MHz) Keypad readers delivers secure dual authentication security features in the one package.

The 3 Series reader is designed for applications where a high-level of security is required by combining smart card identification with a personal identification number (PIN) for secure user authentication and verification. The Keypad provides an extra level of security for user authentication with the addition of a PIN to grant or deny access. The PIN can be stored in the memory of the miPASS card or sent as a Wiegand string in various formats. Authentication can be configured for card only, card + PIN or PIN only and it supports industry standard PINPAD formats. The 3 Series readers have an LCD screen with the ability to display system messaging. Messages can be pre-defined; such as PRESENT CARD, ENTER PIN, ACCESS DENIED and ACCESS GRANTED or customised when connected to an access control system.

Ideal for new site installations or security upgrades of existing systems using 'Swipe' or 'Prox' (125 KHz) card and reader technologies, it offers a cost effective enhancement to your current access control system. Available in four different models, the miPASS 3 Series range caters for all security requirements large or small, whether your projects are price or functionality driven. 3 Series models DF843 - DESFire Technology

The DF843 DESFire 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. The DESFire reader meets the TWIC standard for access applications in the USA.

BT843 - Mifare Technology

The BT843 Mifare reader can be configured with various output protocols and programmed with customised encryption keys unique to each customer. Also upgradeable with further security enhancements when requirements increase.

miP3 - SPEK Technology

The miP3 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.

CSN3 - Card Serial Number

The CSN3 reader will read any Mifare Smart Card's unique serial number and is available in 32 or 34 bit outputs. Specifications DF843BT843miP3CSN3sector or serial Container/Sector

Sector

SectorSerial card type DESFire 13.56MHz ISO14443A

Mifare 13.56MHz ISO14443AMifare 13.56MHz ISO14443AMifare 13.56MHz ISO14443A miPASS card options4KB (other sizes & KeyTag optional)1KB & 4KB (other sizes & KeyTag optional)1KB & 4KB (KeyTag optional)Any Mifare card sector keys

* Customisable

* Site specific

* Customisable

* Site specificmiPASS Secure Proximity Encryption Keys (SPEK)N/A tamper switch

Available on request

Available on requestN/AN/A read & writeYESYESYESRead only 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 cardN/A output protocol* Wiegand 26 - 199 bit

* RS485

* Or custom configurations* Wiegand 26 - 199 bit

* RS485

* Or custom configurations Wiegand 26 bit only* Wiegand 32 or 34 bit

* Custom bit length available power requirement 12 Vdc current consumption

Normal

Activated

250mA

300mA card read range 20-60mm (0.8" - 2.4") (typically) operating temperature 0°C to + 55°C (32°F to 131°F) relative humidity 90% max, operating non-condensing reader dimensions 136mm (W) x 161mm(L) x 44mm (D)(5.35" x 6.34" x 1.73") keypad 12 button LCD 2 lines x 16 Characters LCD messaging PRESENT CARD, ENTER PIN, ACCESS DENIED, ACCESS GRANTED

- Custom Messaging available in RS485 mode. status LED's Amber, Green & Red audible tone Internal or external Buzzer control colour finish Charcoal certifications FCC, CE, C-Tick IP Rating IP40- Internal applications warranty 3 years * Specifications subject to change without notice.