



General Specifications

| | | |
|-----------------------|-----------------|--|
| Power Requirement | - VDC regulated | 12 VDC |
| Current Consumption | - Average | 195ma |
| | - Peak | 210ma |
| Card Read Range | - Metric | 20mm - 40 mm |
| | - USA | 0.8" - 1.6" |
| Operating Temperature | - Metric | -20°C to +65°C |
| | - USA | -4°F to +149°F |
| Relative Humidity | - % max | 90%, operating non condensing |
| Reader Dimensions | - Metric | 136mm (L) x 161mm (W) x 44mm (D) |
| | - USA | 5.36" (L) x 6.34" (W) x 1.73" (D) |
| Status LED's | - Colour | Amber, Red & Green |
| Audible Tone | | Tone on matching software key and wired buzzer control |
| Colour finish | | Two toned Charcoal/Grey |
| LCD | | 2 x 16 characters |
| LCD Messaging | | PRESENT CARD, ENTER PIN, ACCESS DENIED, ACCESS GRANTED Custom messaging in RS485 Mode |
| Keypad | | 12 Button |
| IP Rating | | 40 |

843

Dual factor authentication with an LCD display for user feedback and messaging

The BT843 series reader is designed for medium to high security applications where two forms of authentication (card & PIN) are required for access. Featuring a two line LCD display providing visual indication of system status, access feedback and system messaging. The BT843 series is available in several technologies and in three switchable modes of operation: Card & PIN, Card Only, PIN only.

Model Features

| Model | Technology | | Authentication Factors | | Encode | | | Encryption | | | Sector Keys | | 13.56MHz Credential type and option | | | Output Protocol | | Other | | | | | | | | | | | |
|---------|----------------|-------------|------------------------|------|-----------|--------|---------|------------|-------------|------------|------------------|----------|-------------------------------------|-------|----------------|-----------------|----------|--------------|-----------|-----------|----------------|---------------------|---------------------|----------------|--------------------|------------------|--------------|------------------|---------------|
| | Mifare Classic | Mifare Plus | DESfire | Card | Biometric | Keypad | CSN/UID | Sector | Application | Random UID | Diversified Keys | Crypto 1 | Mifare Plus | 3 DES | AES (optional) | MiPASS 2 | MiPASS 3 | Customisable | ISO14443A | ISO14443B | Mifare 1K & 4K | Mifare Plus 2K & 4K | DESfire EV1.4K & 8K | Wiegand 32 Bit | Wiegand 26-199 Bit | Encrypted RS485* | Read / Write | Indoor / Outdoor | Tamper option |
| BT843-3 | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | | | | | ✓ | ✓ | ✓ | | | | ✓ | | ✓ | ✓ | | |
| BT843-6 | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

* Requires High Security Module (HSM) AES 128bit encryption

Contact BQT Solutions for more information or a discussion on custom options available, visit our website www.bqtsolutions.com for your nearest office.

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