

Precise BioAccess™ Mifare



- **Increased security—identifies people, not PIN codes**
- **Compatible with all major access control systems**
- **Preserved privacy—fingerprint template stored on card**
- **Decreased administration cost—no lost PIN codes**
- **Low competitive price**
- **Scalable—no local database, no performance penalty**

Precise BioAccess™ Mifare is a plug and play fingerprint reader that offers unparalleled security for access control. Our unique Precise BioMatch™ technology provides reliable one-to-one matching—personal proof that people are who they claim to be. Precise BioAccess™ is convenient, fast, accurate, easy to implement and extremely cost effective. By storing the template on a contactless smart card instead of in a less secure database, privacy is preserved.

Precise BioAccess™ Mifare is designed to instantly replace existing readers and requires no new wiring or software updates.

Precise BioAccess™ Enrollment Station is a standalone package for enrolling fingerprints and writing biometric templates onto Mifare contactless cards for use with Precise BioAccess™ Mifare readers. The Precise BioAccess™ Enrollment Station gives you control over the contents of the cards so the Precise Biometric data can co-exist with other applications and data on the Mifare card.

SPECIFICATIONS

Precise BioAccess™ Mifare

GENERIC FEATURES

- Sound on/off
- External LED control
- Dual color (red & green) LED indicator
- Encrypted template storage
- Easy installation
- No new wiring
- No new software upgrades for access control system
- Precise BioMatch™ matching engine
- Contactless reader technique, up to 40 mm reading range
- Tamper switches for case and mounting
- Integrated support for alarm control and duress signals

TECHNICAL SPECIFICATION

- Size 125 x 68 x 61 mm / 4.9 x 2.7 x 2.4 inches (H x W x D)
- Optical sensor, 500dpi resolution, 16 x 14 mm / 0.63 x 0.55 inches
- 12-24 VDC, max 0.25A, typical 0.1A
- Operating temp: +10 to +50°C / +50 to 120°F
- Wiegand, all formats
- Data/Clock (Magstripe), all formats
- RS485, 2 & 4 wires (optional OEM)
- RS232 (optional OEM)
- Current loop (optional OEM)
- Flexible card numbers:
 - Mifare ROM card number, enables unique card number
 - Custom card number, enables use of old card number and compatibility with other card formats
 - RAW data, enables sending of any data required following a successful match

PERFORMANCE

- Verification: Less than 1 second
- FAR/FRR: Variable, configuration dependent

CONTACTLESS CARD

- Support for ISO 14443A contactless smart cards
- Support for; Mifare standard 1K and 4K, Mifare Pro and Mifare ProX
- Stores up to four fingerprint templates on a Mifare standard 4K card, injured fingers are not a problem
- Each finger can be assigned their own card number, enabling you to control alarm and T&A systems
- Flexible storage of template on card, enables use of cards containing legacy data
- Unique personal keys, protects against unauthorized re-enrollment and cards from unauthorized parties
- Support for MAD (Mifare Application Directory), a demand for multi-application cards

ENROLLMENT STATION

A complete Biometric Enrollment Station (BES) consists of a fingerprint reader, a contactless card programmer (Miranda) and enrolment software. A PC is required with a Pentium II or better, a free serial port, and run MS Window (98/NT/2000/XP). All fingerprint readers from Precise Biometrics work with BES.

All specifications are subject to change without notice.



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