RELIABLE. BIOMETRIC. SOLUTIONS.

ievo micro™
Fingerprint Reader

The **ievo** *micro* is the advanced internal only solution expanding the portfolio of **ievo** solutions to cater for industries looking to secure small to medium sized facilities.

Using a best-in-class optical sensor, the *micro* delivers a fast, accurate and reliable biometric solution, that saves both time and costs to any business and industry.

With advanced encryption for data transmission, the *micro* fingerprint reader provides a highly accurate and quality image to reliably allow the **ievo** Control Board to perform 1:N matching of up to 50,000 (10,000 as standard) fingerprint templates. The reader unit itself does not store any user data for an additional level of protection.

Supporting proximity detection and clear LED and audio indications, the reader offers simplicity along with convenience to the user.

FEATURES:

- 1:N matching up to 50,000 fingerprint templates via the **ievo** Control Board (10,000 comes as standard)
- Designed for internal use only
- Powerful optical imaging sensor
- Data transmission AES (128bit) encryption can be enabled
- Secure template storage on a separate **ievo** Control Board
- Activated by capacitive proximity detection
- LED and audio indications
- Anti-tamper protocols
- Seamless integration with large number of existing access control systems
- Simple installation procedure
- Easy to operate

KEY BENEFITS

Designed for Internal Use:
The **ievo** *micro* is a compact fingerprint reader, designed from the outset to be a diverse device. The **ievo** *micro* does not activate any relays or controllers to open entry points, meaning that removal of a device will not expose your security protocols.

Enhanced Image Quality:
The **ievo** *micro* uses a powerful optical imaging sensor to capture a highly accurate reading of a fingerprint. Scanning both surface and subsurface levels of the skin simultaneously, up to a depth of 2mm, this method uses multiple polarised and non-polarised lights to register between 1-100 reference points to build a true digital image (the average number of reference points for a good image is 40). The optical sensor allows the reader to operate through a low level of moisture and debris on the skin that may otherwise hinder an accurate reading.

Card Reader (optional component)**:**
The card reader module allows the *micro* reader to operate and process a number of widely used identification cards*. The option can be used either in conjunction with/or replacing most pre-installed card readers, without having to install a new system. The function provides options of integration with an existing system to add an additional level of biometric identification for access control security and/or time and attendance recording.

*Check card compatibly via our free card checking service

Data Protection:
ievo readers require connection to an **ievo** Control Board where accurate and secure matching against a stored database is carried out. No information or data is stored directly on a **ievo** reader unit itself for additional security purposes. Data captured by the reader via the enhanced optical sensor can be transmitted using AES (128bit) encryption. The stored template cannot be reverse engineered to replicate the original fingerprint and is only accessed by the **ievo** Control Board for identification processing.

1:1 Template on Card:
Combining smart card technology with biometrics provides a way to create a positive binding of the smart card to the card holder, therefore providing strong verification and authentication of the card holders' identity. Templates are stored on a card as opposed to a database, thus enabling a vast user capacity.

Anti-Tamper:
A 3 axis accelerometer detects attempted tampering alongside continually monitoring the data communication and voltage lines. Any tamper event is immediately transmitted to the access control unit for action.

Integration into Existing Systems :
With seamless integration being a core component to the development of the **ievo** solutions, our readers have been designed to assimilate with a large number of security systems via existing protocols. **ievo** fingerprint readers integrate into a host of access control systems and other security products. Please contact an **ievo** account manager for more information on integrated systems.

Easy to Use Registration Software:
Easy to use registration software is provided that can work as a standalone registration process or **ievo** systems can be integrated into an existing registration software package. For more information on integrated registration software please check with your account manager.

Customise Your System (optional components)**:**
Bespoke reader unit colours
Card reader module
Surface/flush mounting options
Additional vandal resistant shroud

SPECIFICATIONS:

CPU	ARM	
Connection	Shielded (S-FTP) Cat5e/6 cable	
Voltage	12V	
Current Draw	400mA	
Communication	RS-422 (1Mbit/s)	
Controller	**ievo** Control Board	
Operating Temperature	0~60°C	
Power Indicator	LED	
Certifications	CE, FCC	
Dimensions	Standard Wall Mount Width: 55mm Height: 155mm Depth: 70mm	Flush Mounted Width: 80mm Height: 230mm Depth/Recessed: 33mm Depth/Visible: 33mm

For more information contact us: info@ievoreader.com +44 (0)191 296 3623 or 0845 643 6632