



Security solutions  
as individual as you are.™

## Product Datasheet



# ievo micro™

### FEATURES:

- Algorithm identification <1 second
- 1:N matching up to 10,000 fingerprint templates (50,000 option available)
- Designed for internal use
- Powerful optical imaging sensor
- Data transmission AES (128bit) encrypted
- Data stored on a separate control board with template storage AES (256bit) encrypted
- Seamless integration with large number of existing access control systems
- Activated by proximity detection
- LED and audio indications
- Wiegand, clock & data and TCP/IP outputs
- Easy to install
- Easy to operate

The **ievo** fingerprint range stemmed from years of experience and extensive research from a team of professionals who have been at the sharp end of biometric deployment, installation and integration. This wealth of knowledge has been utilised to produce a range of biometric fingerprint readers, designed for ease of installation, use and understanding. Vital feedback has been obtained from key industry installers and end users to ensure **ievo** readers work accurately, with a strong emphasis on efficiency and reliability.

The **ievo micro** was designed from the outset as a third party reader, capable of seamlessly integrating into a large number of access control systems. Boasting many unique features and benefits, the **ievo micro** uses a powerful optical imaging sensor combined with an advanced world leading algorithm to keep your data accurate and secure.

Designed for internal use, the **ievo micro** was introduced to provide an affordable biometric solution to access control systems that did not demand the full range of benefits that the **ievo ultimate** offers. With a standard template range of up to 10,000 fingerprints (larger capacity options are available) and customisable options, the **micro** reader is ideal for internal deployment in offices, housing developments, commercial outlets and personal home use.



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**BENEFITS**

**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 0-100 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.

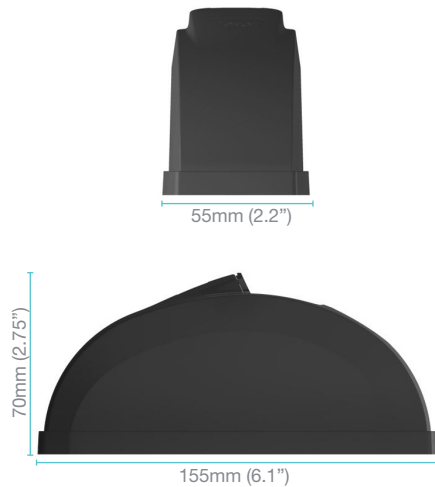
**Designed for Internal Use:**

The **ievo micro** is a compact fingerprint reader, designed from the outset to be a diverse device that can be mullion mounted, meaning it can be installed onto most standard door frames. 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.

**Data protection:**

**ievo** systems function with a separate control board which controls the **ievo micro**, meaning that no information or data is stored locally on the reader unit itself. Data captured by the optical sensor is transmitted using AES (128bit) encryption, which cannot be reverse engineered to replicate an actual fingerprint and is only accessed by the **ievo** control board for identification.

**Dimension:**



**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 decision / action.

**Integration into existing systems, including card, fob and proximity:**

With seamless integration being a core component to the development of the **ievo micro**, the reader has been designed to assimilate with a large number of existing systems via existing protocols. Providing the opportunity to easily upgrade to **ievo** products without having to install an entire new system. **ievo** fingerprint readers seamlessly integrate into a host of access control systems including; Paxton, Stanley, Honeywell and Nortech. For a full list of access control system providers that **ievo** work with please contact our sales team.

**Easy to Use Interface Software:**

**ievo** believe that integration is very important and as such offer an easy to use registration software package that can work as a standalone registration process or can be integrated into an existing software package.



- Step 1:**  
Present finger to sensor to activate. This is done through proximity detection.
- Step 2:**  
Place finger on illuminated platen and keep still while the sensor scans your finger.
- Step 3:**  
Wait until 'halo' button turns green for access.

**Customise Your System:**

At **ievo** we understand that security and time & attendance is vital to businesses and maintaining efficient operations. We also understand that demand and requirements change and quite often an 'off the shelf' solution may not be ideal. While the **ievo micro** does come with some standard functions, it also offers a range of customisable options that can be installed up to or even after the point of order/installation. Using a modular design in the **ievo** control board that operates the **ievo micro**, you can upgrade, replace certain elements of functionality at any time. Meaning as your business grows or adapts so can your security. The **ievo micro** outer casing colour can also be tailored so that your device will blend effortlessly into your internal environment. For more information on customising your **ievo** system please contact our sales team.

**TECHNICAL DATA:**

CPU	ARM9
Memory	RAM 128MB FLASH 128MB
FRR	< 0.01%
FAR	< 0.00001%
Identification Speed	< 0.7 sec
Template Capacity	1:N 10,000 (as standard)
Log Capacity	200,000
Voltage	12-24v AC/DC
Current Draw	400mA
Output	Customisable wiegand, clock & data and TCP/IP
Communication	TCP/IP
Controller	OEM dependent
Operating Temp.	0~60°C (32~140°F)
Power Indicator	LED
Certifications	CE, FCC
Dimensions	<b>Surface:</b> W: 55mm (2.2") H:155mm (6.1") D:70mm (2.75")

SDK for integrators and software developers is available upon request, please contact us for more information.

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