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## Product Datasheet



# ievo custom kit

### RAISING INDUSTRY STANDARDS

The **ievo** ultimate™ and **ievo** micro™ both raised industry standards when introduced to the market. Providing a highly accurate, reliable and diverse biometric system that can be integrated into most access control systems.

Part of the success of the **ievo** fingerprint readers has been achieved by listening to customer feedback, and finding out exactly what is required from an access control system. We understand that not every business, or every industry has the same biometric requirements and there are times when having customisable options are vital. With this in mind **ievo** have created a custom range tool kit, which provides the opportunity to create a bespoke biometric access control unit to suit your specific requests.

**ievo** systems can be upgraded at any time, even after installation.

### NEW MARKETS

The custom tool kit is effectively a way of providing the control to create a tailored biometric security system that will confidently suit your requirements.

The customisable aspects can help to provide additional support to new and existing sites.

### FULLY SERVICEABLE

We understand that installation on each project or site varies and can be challenging at times when maintenance is required.

**ievo** systems have been designed to be fully serviceable and accessible. With their modular design different components can be added, removed or replaced without having to uninstall devices or go offline, therefore leaving your site potentially vulnerable. The modular design also means that as your business or site grows and demand for security increases, the **ievo** solution can be upgraded to support this growth.

Each of the different elements that you can use to customise and fully service your **ievo** readers are detailed overleaf.





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## CUSTOM OPTIONS

### Card Reader:

**ievo** readers can be used either in conjunction with/or replacing most pre-installed card readers, without having to install a new system. Both the **ievo ultimate** and **ievo micro** can read a number of pre-existing cards and integrate with an existing system to add an additional level of identification for access control security and/or time and attendance recording.

### 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.

### Increase Template Capacity:

**ievo** devices facilitate 1:N 10,000 fingerprint template as standard. Depending on your project's needs, you can upgrade and increase this to 50,000 fingerprint templates. This option is particularly useful for larger installation sites, multiple installs or a site whereby a large turnaround of templates will be required, for example, gym membership systems and construction sites.

### Power over Ethernet:

By using PoE to power the **ievo** control board, installing an **ievo ultimate** or **ievo micro** reader becomes faster, easier and more cost effective. There is no need to include a local mains power supply, saving on extra cabling and installation time. An **ievo** reader with PoE simply plugs straight into an existing LAN using a standard RJ45 connection powered from either a PoE AT switch or a PoE AT injector. It is then detected on the network as normal.

You can also self-diagnose by looking at the **ievo** board, meaning if any elements were in need of repair, you will know exactly what needs replacing or fixed without hassle.

### Wireless Communication Options:

Instead of using a network cable for a connection to the readers, the **ievo** custom range offers a Wi-Fi solution. The added benefit can save installation time and costs to the client(s). This facility can be used not only for standard network communication, but also allow engineers with the correct access rights to register fingerprints remotely. This is particularly useful for sites that require an external network to signal the readers but cabling above or below ground is not an option, for instance, car parks, turnstiles or temporary sites.

### Single Control Board for Read In/Out Functionality:

Normally for read in and read out functions, biometrics use two separate control boards. **ievo** control board can operate two readers simultaneously, meaning only one control board would be required for a read in/ read out system. This can save on costs, installation time and space required for an install.

### Enclosed Power Supply:

**ievo** offers an enclosed PSU specifically designed to work with **ievo** biometric infrastructures. Built for high quality and reliability it features space for an **ievo** control board and a suitable battery for backup (not supplied as standard). Using correctly rated cable glands the unit has an IP65 rating, and offers vandal resistance (IK07 in-house certified). The non-intrusive unit is compliant with relevant European directives (CE) and standards.



### Time & Attendance Display:

The Network Time Protocol (NTP) clock is perfect for time & attendance systems where users want to see the date and time they scan in/out, and also confirmation of their identity. Running via a network, the date and time details update automatically, matching the details on the network that the reader is operating on.

### Bespoke Colour Option:

The physical look of **ievo** readers can be customised to blend in with any environment. With an option to create a unique colour casing for either device all that is required is the specified RAL/Pantone number. This has proven to be essential when being integrated into sites with corporate colour requirements or a uniformed colour scheme.

To get a quote or inquire about an **ievo** custom kit build, please contact a member of the **ievo** sales team.

## TECHNICAL DATA:

CPU	ARM9 @ 454MHz
Memory	RAM up to 256MB Flash up to 2GB
FRR	< 0.01%
FAR	< 0.00001%
Identification Speed	< 0.7 sec
Template Capacity	1:1 or 1:N 10k - 50k
Log Capacity	200,000 rolling
Voltage	12-24v AC/DC
PoE	IEEE 802.3at
Current Draw	400mA - 1.2A
Output	Customisable wiegand, clock & data and TCP/IP
Communication	TCP/IP
Controller	OEM Dependent
Power Indicator	LED
Certifications	CE, FCC
Wi-Fi	802.11a/b/n
Dimensions	Width: 93mm Height: 128mm Depth: 27mm

\* Please refer to individual product datasheets for detailed technical data on specific products (*ultimate, micro, PSU, desktop reader and time & attendance display*).

To find out more, visit:

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