



ievo Control Board

The **ievo** Control Board is a powerful, dedicated fingerprint matching system, supporting any connected **ievo** fingerprint reader unit. The Control Board acts as the main communication platform for integrated systems, providing secure and highly reliable authentication data for processing.

ievo systems have been designed to operate via the **ievo** Control Board which can support up to two **ievo** readers. This Control Board is fully serviceable, with the modular design, different components can be easily added, removed or replaced. The modular design also means that as your business or site grows and demand for security increases, **ievo** solutions can be upgraded or expanded to support this growth.

Converters are available allowing standard wiegand output to be transformed to RS485 or RS422 with the use of optional protocol converters allowing communication to bespoke applications.

FEATURES:

- Powerful, dedicated fingerprint matching system for up to 50,000 templates (10,000 comes as standard)
- Can read from and support up to two connected **ievo** fingerprint reader units
- Dual-channel data output separate wiegand output for each connected **ievo** fingerprint reader unit
- Supports integration for two-door/turnstile access
- 3rd Party product for a wide range of integration options
- Modular design for core components
- AC/DC or PoE+ power options
- Clear LED indications for instant operational assessment
- Network-out link for one connected access control system
- Simple manageable settings
- Simple installation process
- Flexible integration options available for third party development
- BIM Object available (via NBS' National BIM Library)

RELIABLE. BIOMETRIC. SOLUTIONS.

KEY BENEFITS

Single Control Board for Read In/Out Functionality:

Normally for read in and read out functions, biometrics systems use two separate control boards, the **ievo** Control Board can operate two **ievo** fingerprint readers simultaneously, meaning only one control board is required for a read in/read out system. The convenience can save on costs, installation time and the amount of space required for affixing units (depending on the access control system being used).

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.

Data Outputs (Duel Channel) Options:

The **ievo** Control Board provides a diverse set of outputs to notify third-party products of a user's identity. Choose from several different standard Wiegand formats, Clock and Data or live TCP events (integration required). Includes an independent output data channel for each connected **ievo** reader head.

Activity Logs:

A comprehensive record of **ievo** activity is stored by the on-board logging system. Up to 200,000 historical events can be accessed conveniently using the provided software tools.

AC/DC Power:

As standard, the **ievo** Control Board is fitted with an AC/DC power module. This is an efficient industrial-grade unit capable of powering the **ievo** Control Board plus two connected **ievo** reader heads. Simple to install; accepting either AC or DC input with a wide range voltage input of 12-24V.

Power over Ethernet Option:

By using PoE+ to power the **ievo** Control Board, installing an **ievo** fingerprint 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** Control Board 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

Enclosed Power Supply (optional):

A built for purpose enclosed power supply, designed to house an **ievo** Control Board, access control unit and back-up battery (not provided). The **ievo** Enclosed Power Supply Unit provides a power option for remote installations.

Integration into Existing Systems :

With seamless integration being a core component to the development of **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.

SPECIFICATIONS:

CPU	ARM @ 454MHz or 528MHz	
Memory	RAM 256MB Flash 256MB	
Identification Speed	From 400ms (depending on database size)	
Template Capacity	10,000 or 50,000, 1:1 or 1:N	
FRR	< 0.01%	
FAR	< 0.00001%	
Log Capacity	200,000 rolling	
Communication with Network	TCP/IP (100Mbit/s full duplex)	
Communication with Reader Unit(s)	RS-422 (1Mbit/s)	
Connection to Reader Unit(s)	Shielded (S-FTP) Cat5e/6 cable	
Current Draw	400mA - 1.2A (head dependant)	
Output	Wiegand 26-bit, 34-bit, 44-bit Clock and data TCP + more	
Power Indicator	LED	
Power Options	AC/DC	PoE
Specifications	12-24V	IEEE 802.at
Certifications	CE, FCC	
Dimensions	Width: 93mm Height: 128mm Depth: 27mm	

For quotes about an **ievo** system please contact a member of the **ievo** sales team.

For more information contact us:



info@ievoreader.com



+44 (0)191 296 3623
or 0845 643 6632