



Why use biometric solutions in IEI access control applications?

- A) Biometric solutions are for door applications requiring a higher level of security than cards and PINs provide. Biometric authentication verifies individuals through a unique physical characteristic rather than the credential they carry or the PIN they enter at a keypad. Therefore, biometric authentication prevents unauthorized individuals from gaining access to a higher security area by using someone else's credential or PIN. Everyday, IEI dealers are protecting higher security areas - examples include cash rooms, computer and data centers, high value inventory areas, drug rooms, laboratories, clean rooms, power plants, evidence rooms, and executive offices.

- B) Simple biometric solutions that do not require a card are also very attractive options to users who want something more secure than a code (which can be passed on or viewed by others) but do not want to carry anything. A common example of this application is a high-end residence where the homeowner does not want to carry a card when they go out for a run. Another example is an executive office where the executive wants to secure their office, but does not want to carry anything while they are in the building.

What is BioRead 1000 and how is positioned in the market?

BioRead 1000 is a finger-only biometric solution, which is as simple as it gets. There is no need for cards, PIN's, or keys to get into a high security area. Authorized users simply place their finger on the scanner. The reader quickly verifies a match and entry is permitted.

BioRead 1000 is the only biometric with a model specifically designed for small stand-alone applications – IEI's strength in the marketplace.

Enrollment also is SIMPLE. There is no software or PC needed. A low cost hand-held programmer quickly enrolls users in a fraction of the time it takes competitive products.

What are the key features?

- Finger only – no card required
- No PC or software needed
- Separate door controller for increased security-stand alone applications
- 90 templates
- Add/delete with hand-held programmer
- Authenticate in less than 2 seconds
- Option for Wiegand output



What are the major elements of the BioRead 1000 system?

The BioRead 1000 Reader

The BioRead reader stores the fingerprint templates of up to 90 users. In normal operating mode, the reader continually scans for the presence of fingerprint data to capture and compare the “live” finger to that of the digital template stored in the reader. If a live finger is successfully authenticated, a signal is sent to activate the control relay of the Door Control Module.

The BioRead 1000 hand held programmer

The hand-held programmer is a simple battery operated device used to initiate enrollment and other programming functions on the BioRead reader. The programmer features two rotary switches numbered from 0-9, ON, ADD, and DELETE buttons, and a Programming Button which is physically applied to the reader to initiate programming functions.

The BioRead 1000 Door Control Module

The BioRead™ Door Control Module provides secure relay output to control an electronic lock or to control access to other devices in stand-alone applications. The controller also features a request-to-exit input and door contact input.

Can I use a BioRead 1000 reader with a Secured Series Hub Max II or Mini Max II system?

Yes. The BioRead 1000 reader can be set up to send a Wiegand signal for each successful fingerprint authentication. In the case of Hub Max and Mini Max, the reader is connected to the SS-IM [interface module], which converts the Wiegand signal to user data for the Max II door controller. Fingerprint users are easily programmed into Hub Manager Professional as though each fingerprint template is a credential. Model BR 1100 is a fingerprint reader with Wiegand output for these applications.

Can I use a BioRead 1000 reader with eMerge?

Yes. Basically, the same answer as above. Model BR 1100 is a fingerprint reader with Wiegand output which can be connected to the reader port on the eMerge ACM two-reader application module.



What do we do about the small percentage of people that cannot use a fingerprint biometric?

The fact is that about 1% of the population has fingerprint characteristics that prevent operation of virtually all fingerprint biometrics. These users have what is called a high 'false reject' rate. To accommodate this reality, the BioRead 1000 system includes 8 bypass keys which can be provided to these users to get through a fingerprint access door should that be necessary.

How long does it take to open the door after a finger is placed on the scanner?

The typical time for operation is 2 seconds or less. Systems with the maximum number of fingerprint templates can take 4 seconds from when the finger is placed on the scanner.

How do I get more information on BioRead 1000 fingerprint access system?

Call IEI customer support at (800) 343-9502.

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