



Bio-SnapON™ BIOMETRIC IDENTIFICATION SYSTEM

The Future of Identification

The M2SYS Bio-SnapON™ solution is a turn-key, secure, accurate fingerprint recognition system that businesses can use for any type of person identification. The system can be instantly snapped on to any third party software (POS, time and attendance, etc.), so that users can be instantly authenticated by simply placing their finger on a high-performance fingerprint scanner, ensuring the highest level of identification accuracy. Best of all, there are **no software upgrades needed** to start using the fingerprint system!

How Does it Work?

Bio-SnapON™ is extremely easy to install and deploy. The software allows you to enroll users and store their fingerprint data template (NOT the actual fingerprint image), which can then be used for authentication. If you are currently using barcode, magstripe, or keypad devices to identify users, Bio-SnapON™ can immediately replace this with fingerprint identification.

The Current Process:



The ID number is read by the device and passed to the PC software



Students/Employees/Members/Customers are currently being identified with a magstripe/barcode ID card, keypad PIN, or a lunch ticket.

The ID device passes the user's ID number to software running on the PC. This software uses the number to display the user's profile information or perform some operation.

The Bio-SnapON Process:

Step 1: Fingerprint Enrollment

Users first need to register their fingerprint templates and associate them to an ID number. This information is stored in a central database so that any networked PC can access it for authentication.



The ID number is fed to Bio-SnapON automatically



Students/Employees/Members/Customers swipe/scan their ID card or input their PIN. Their ID number is received by the Bio-SnapON utility.

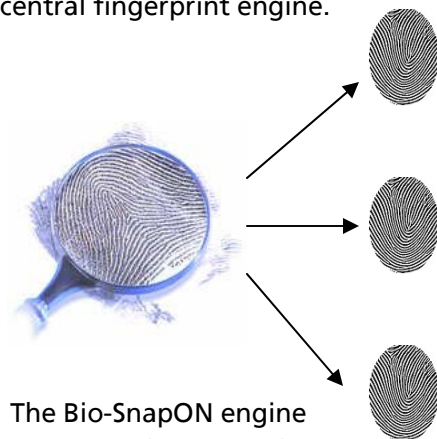
Users scan the same fingerprint 3 times consecutively in Bio-SnapON. The user's unique ID number is stored with the fingerprint template in a central database.

Step 2: User Identification

Once a user is enrolled in the system, he/she can be identified with a single fingerprint scan from any PC that has a fingerprint reader and is networked to the central fingerprint engine.



The fingerprint data is sent over the network to the Bio-SnapON engine



Students/Employees/Members/Customers scan their fingerprint on the reader to be identified.

The Bio-SnapON engine compares the scanned print against all stored prints.



When a match is found, the associated ID number is sent to the host software (such as POS), which displays the user's information.

What Are the Benefits?

- More secure and efficient than ID cards or PINs
- No software development or upgrade is required
- Increase profitability by eliminating "buddy punching"
- Eliminate problems caused by lost or stolen cards
- Protect confidential user information
- Secure manager approvals or transaction overrides
- No one can forget their fingerprint!

The Fallacy of Privacy Risk

Skeptics will claim that biometric technology invades personal privacy and allows the government to more easily access personal information and track our everyday activities. However, it is important to understand that the design of the M2SYS biometrics system absolutely and unequivocally does not allow for the analysis of our unique physiological characteristics by government entities, or any other system.

For example, when a person is enrolled in the M2SYS fingerprint recognition system, the software extracts the person's unique identification data (minutiae) and stores this information in the form of a proprietary identity template. An actual copy of the fingerprint image itself is NOT stored. The system then uses the identity template to recognize that person on an ongoing basis. The identity template is simply a data file, a series of zeros and ones that cannot be used to reconstruct the actual fingerprint image. Without a copy of the image itself, no one could perform analysis or comparison of the fingerprint.

Why the M2SYS Bio-SnapON™ System?

- It's **FAST**: The system can process prints at an amazing 20,000/second and is fully scalable.
- It's **AFFORDABLE**: Only a small software and hardware investment is required.
- It's **SECURE**: No fingerprint images are stored, period. Plus, all fingerprint data is 128-bit encrypted.
- It's **ACCURATE**: Several unique system parameters ensure the highest levels of accuracy and consistent performance.
- It's **SIMPLE**: Bio-SnapON™ seamlessly interfaces with third party applications, such as POS or time and attendance. There is no separate product to learn and manage.
- It's **PROVEN**: M2SYS has integrated its patent-pending fingerprint recognition technology into hundreds of prominent software solutions in a variety of industries and is used by thousands of end users worldwide.
- Its **FLEXIBLE**: The system works in WAN, LAN, CITRIX, and Terminal Services environments.

Who Says?

- *"Nearly 70% of surveyed consumers are in support of using biometrics as a way of verifying identity, with 66% of respondents favoring biometrics as a method of combating identity theft and fraud."*
- **Study by Unisys on Biometrics Acceptance in Commercial Marketplace**
- *"The global biometrics industry is forecast to more than double its revenue to \$5.7 billion in 2010 from \$2.1 billion in 2006."*
- **International Biometric Group**



What's the Bottom Line?

Bottom line – the use of biometrics is rapidly becoming the de-facto means of person authentication in our commercial marketplace because there is no other method more safe, secure, affordable, or efficient. In the many industries, biometrics is replacing costly, inefficient, and jeopardous ID card or PIN systems, and the businesses embracing it are realizing immediate benefits:

- ✦ Person identity is established with irrefutable proof and correctness
- ✦ Maximized dollars can be retained with accurate, auditable records
- ✦ Hold employees more accountable for their actions
- ✦ Significant cost savings in the administration and reproduction of ID cards or PINs
- ✦ People can never forget their fingerprints!

Who Is M2SYS?

- ✦ Leading biometrics research and development company
- ✦ Over 100 software integrator partners, including many prominent POS, time and attendance, and fitness club providers
- ✦ Thousands of end user deployments worldwide
- ✦ Primary markets served: Public Safety, Healthcare, Banking, Education, POS, Childcare, Transportation, Workforce Management, Fitness & Leisure, Application Security
- ✦ Only biometric provider to offer Off-the-shelf Citrix and Remote Terminal Support
- ✦ Fingerprint solution supports multiple algorithms and many hardware devices

www.m2sys.com >

