



# CASE STUDY

## Bio-SnapOn™ Biometric Identification System



## The Future of Identification in Schools

The M2SYS Bio-SnapOn™ solution is a turn-key, secure, accurate fingerprint recognition system that schools can use for student, employee, or guardian identification. The system can be instantly snapped on to your existing software (library, lunch line POS, etc.), so that any person 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!

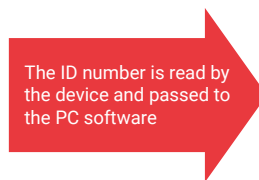
## How Does it Work?

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 is 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.

### Your Current Process:



At various locations in the school, students/employees/guardians are currently being identified with a magstripe/barcode ID card, keypad PIN, or a lunch ticket.



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



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.

# Bio-SnapOn™ Biometric Identification System

## The Future of Identification in Schools

### The Bio-SnapOn Process:

#### Step 1: Fingerprint Enrollment

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

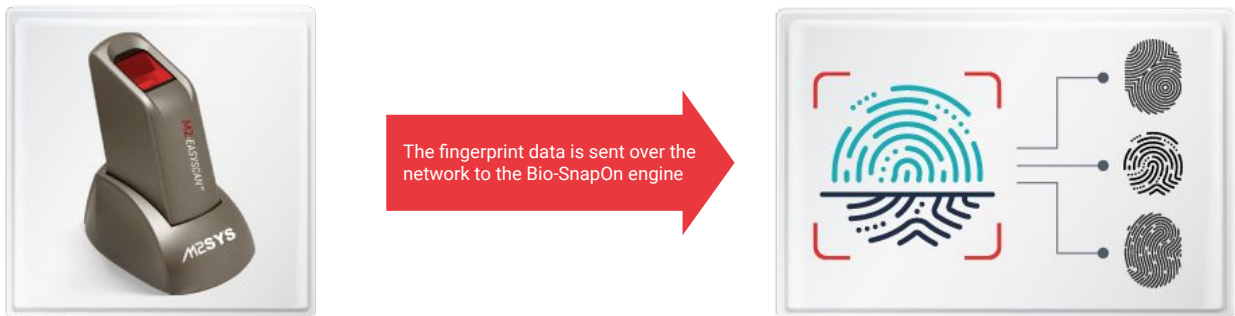


Students/employees/guardians swipe/scan their ID cards or input their PIN. The Bio-SnapOn utility receives the ID number.

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.



Students/employees/guardians scan their fingerprints on the reader to be identified.

The Bio-SnapOn engine compares the scanned print against all stored patterns.



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

# Bio-SnapOn™ Biometric Identification System

## The Future of Identification in Schools

### What Are the Benefits?

- More secure and efficient than ID cards or PINs.
- Increase profitability at foodservice facilities.
- Speed traffic through lunch lines.
- Eliminate problems caused by lost or stolen cards.
- Protect confidential student information.
- A straightforward installation allows use throughout the entire school.
- 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 efficiently access personal information and track our everyday activities. However, it is crucial 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 method.

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 analyze or compare the fingerprint.

### Why the M2SYS Bio-SnapON™ System?

- **It's FAST:** The system can process prints at an outstanding 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 your student information, lunch line, library, or school automation software. 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.
- **It's FLEXIBLE:** The system works in WAN, LAN, CITRIX, and Terminal Services environments.

### Global Biometric Technology Leadership



**1st**

To invent a platform including several modes of biometric technology



**#1**

Leader for cloud-based biometrics-as-a-service (BaaS)



**1500+**

Enterprise software integrator partners around the world



**25+**

Governments worldwide rely on M2SYS biometric solutions



**102**

Countries where M2SYS solutions are deployed



**24/7**

Service provided to customers across the globe

# Bio-SnapOn™ Biometric Identification System

## The Future of Identification in Schools

### Who Says?

*"The software is very simple and extremely easy to use and setup. I have changed the archaic procedures of lunch lists and tickets and I know that with the implementation of biometrics in our schools we will see a significant decrease in labor costs as reporting is now very simple...."*

**Nick Heinlein**  
Hope School District

*"Our small school has been using a biometric fingerprint scanner this school year with our PowerLunch and it has been wonderful. It seems to make the lunch line move pretty fast and you don't have to worry about cards or students remembering numbers...."*

**Cyndi Brewster**  
Bonita Elementary School

### 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 education industry, biometrics is replacing costly, inefficient, and jeopardous ID card or PIN systems, and the institutions embracing it are realizing immediate benefits:

- Student/Faculty/Guardian identity is established with irrefutable proof and correctness.
- Maximized government dollars can be retained with accurate, auditable records.
- Significant realized cost savings in the administration and reproduction of ID cards or PINs.
- People can never forget their fingerprints!

### We Are Recognized



### About M2SYS

M2SYS works closely with its clients, enabling them to capitalize on the benefits of biometrics for security and accelerating their return on investment (ROI). Integrating Bio-SnapOn™ biometric identification system with the school library, lunch line, POS software shows how our biometric technology can be easily integrated with different systems to provide a secure, biometric, cashless, and convenient payment system. The method helps to increase speed and accuracy for effective school management.

Contact Information :



Web: [www.m2sys.com](http://www.m2sys.com)

Email: [info@m2sys.com](mailto:info@m2sys.com)

[linkedin.com/M2SYS-technology](https://www.linkedin.com/M2SYS-technology)

[twitter.com/M2SYS](https://twitter.com/M2SYS)

[facebook.com/M2SYS](https://facebook.com/M2SYS)

[youtube.com/M2SYS](https://youtube.com/M2SYS)

Address: 3424 Peachtree Road NE,  
Floor 22, Suite 64, Atlanta, GA 30326

Phone: ( 6 7 8 ) 2 0 3 - 4 2 6 8