

End-User Frequently Asked Questions



What are my personal privacy risks?

There are none. The M2SYS biometric system does not store a copy of the fingerprint image. The software extracts the unique fingerprint pattern data from the image for the purpose of identification within a closed environment. It is impossible to recreate a fingerprint image from this data, and no background check can be performed without the image. Therefore, there are no associated privacy risks. Additionally, the data template itself is 100% encrypted from the time it is captured to the time it is stored in the database.

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What are the chances the system will misidentify me?

The M2SYS fingerprint system operates in a closed environment with several system parameters configured to maximize both accuracy and performance levels. For example, during enrollment and identification, the system forces the capture of a high quality image with many unique identifying points, which nearly eliminates the chance of error.



What if something happens to my finger?

During enrollment, the M2SYS system has the capability of capturing two fingerprints that can be used to identify an individual (typically the middle finger from the left and right hand). Should something happen to one of the enrolled fingers (i.e., cut, burn, damaged, etc.), the other fingerprint data will still serve as an alternate unique identifier. Additionally, an administrator when necessary can update any enrolled fingerprint in the system.

How long is my fingerprint data kept in the system?

The amount of time any record is stored in the system database is completely controlled by the system administrator.

How accurate is the fingerprint system?

Every person's fingerprint contains a unique pattern consisting of what are known as "minutiae points". The orientation of these points within the pattern is what differentiates one fingerprint from another. The M2SYS biometric software examines and extracts these unique minutiae points and stores them in the form of a "biometric identity template", which is used during identification. When a maximized fingerprint surface area (a "clean print") is captured during enrollment and recognition, the chance of misidentification is almost non-existent.

How long does the enrollment process take?

Enrollment consists of scanning each print three times consecutively. The scanner automatically captures the print when the finger is placed on it. Capture time for each scan is less than one second. Total enrollment time should take less than 10 seconds.

How long does it take to identify me?

The M2SYS system matches fingerprint data at a speed of 20,000 records per second in an optimized, single CPU environment. Unless there are an extraordinary number of stored individuals in the database, the identification process is nearly instantaneous.