

# BioLink<sup>®</sup> AMIS

Works With

**AUTHENTEON**<sup>™</sup>  
Server Family

**U MATCH**<sup>®</sup>  
Input Devices



BIO-METRICA LLC

**BioLink**  
Advanced Biometric Solutions

TECHNOLOGY YOU IDENTIFY WITH<sup>™</sup>

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AMIS

BioLink<sup>®</sup> Automated Multi-biometric Information System

## Overview

BioLink AMIS is a multi-biometric system performing real-time identification of population groups such as citizens, temporary residents, non-residents, etc. within middle and large scale identification applications. BioLink AMIS has a modular and flexible architecture that allows easily integrating innovative biometric technologies into nationwide civil identification projects, law enforcement systems and e-commerce applications.

## Purpose

As a finished product, BioLink AMIS can be used for building, deploying and maintaining large-scaled biometric authentication applications. However, being a scalable solution, it is also an obvious choice for system integrators

aiming to implement cutting-edge biometric technologies into the infrastructure of the existing identification systems.

## Tasks

Facing the challenges of today's world, BioLink AMIS covers a wide spectrum of tasks relating to strong and reliable identification of middle and large population groups in real time. For example, implementation of BioLink AMIS allows reducing forgeries and global identity fraud as well as curbing terrorism and other illegal activities by way of preventing repeated issuance of the identification document to the same person. It also provides for simplifying the routine immigration procedures with border control applications. The list of such examples can go on and on.

BioLink AMIS Back-end



BioLink AMIS Front-end applications



Fingerprint optical scanners



BioLink®

AMIS

BioLink AMIS Components

BioLink AMIS comprises:

- **Front-end** (client applications) – means biometrics software and equipment for registration, personalization, administrator and other types of biometrically-enabled workstations.
- **Back-end** – means Linux-based Authenticon Cluster Array (ACA) matching servers that process the huge database of biometric identifiers.
- **Fingerprint matching algorithms** - state-of-the-art patented BioLink algorithms with smart template building based on single fingerprint impression. The NIST proven algorithms operate in one-to-many and one-to-one search modes and provide for 1-10 fingers' templates support.
- **Biometric scanners.** BioLink offers the following biometric scanners: U-Match MatchBook and Verifier 300 LC. BioLink AMIS also provides support for scanning devices produced by other leading manufacturers.

Functions

BioLink AMIS performs the following functions:

- Enrolment, modification and removal of AMIS database records containing biometric identifiers and other (demographic) information of the applicants.
- Database search by using various biometric characteristics (fingerprint, iris, face) and/or other personal information of the person enrolled (ID number, name).
- Audit and monitoring of the entire system, analysis of the requests processed

Features

- Support for multi-biometrics: fingerprint, iris, face
- One-to-one, one-to-many identification modes
- Quick database search by using various biometrics
- Converting any input data such as paper, single and tenprint optical scanners, and ink into the required format.

Benefits

BioLink AMIS is advantageous for the benefits listed below:

- Easily customizable
- Robust performance
- Fault-tolerance
- Supreme speed (hundreds of thousands of matches per second)
- Price-affordable total cost of ownership
- Low development and implementation costs
- Requires little or no experience in biometrics

Applications

BioLink AMIS is a suitable solution for:

- Civil identification projects (e-passports, multi-purpose ID cards, visas and other travel documents, voting systems, driver licenses, social security cards, provision of social and healthcare services, etc.)
- Law enforcement (AFIS systems and police applications tracking criminal activities)
- Commercial applications (e-purse, banking systems, etc.)

For more information, please visit BioLink web site [www.biolinksolutions.com](http://www.biolinksolutions.com)