

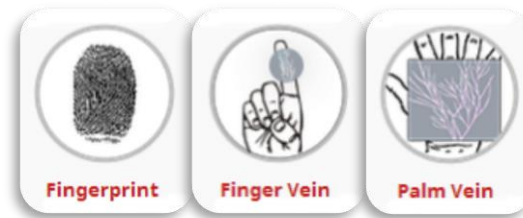
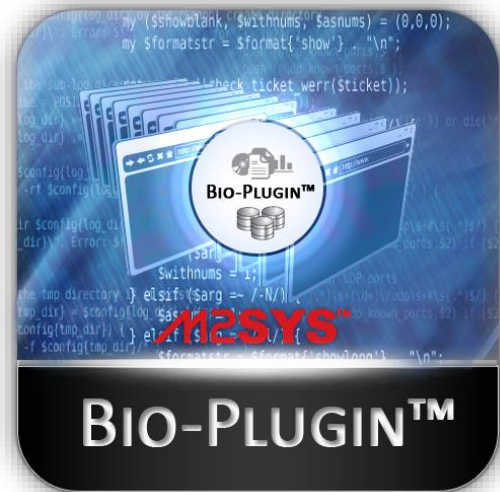
# Bio-Plugin™ AppServer

– *Biometric SDK for Windows based Application Developers*

**High-performance, enterprise-ready multimodal biometric SDK, quick system integration into any windows based software, in less than 2 hours.**

Designed specifically for integration into Windows-based software requiring biometrics authentication from multiple networked PCs, Bio-Plugin™ is a completely developed biometrics middleware solution that allows developers to rapidly integrate a multi-modal biometrics system into any windows software without the development work required from a low level biometric SDK. Through our award winning Hybrid Biometric Platform™ technology, integrating with Bio-Plugin™ allows you to utilize fingerprint, finger vein, palm vein and iris biometrics. The solution includes an easily installable client that seamlessly facilitates communication between your host software and a central identification engine, which performs all fingerprint, finger vein and palm vein pattern comparison requests. Supports a wide variety of Development Environments including the following...

- Programming Languages Support: C, C++, C#, VB, .NET, Delphi, PowerBuilder, Java, Clarion and many more
- Databases Support: MS-Access, SQL, MS-SQL, My-SQL, Oracle, Sybase, D12 and other major backend solutions
- Network Support: LAN, VPN & Networked Multi-PC applications



## Features/Benefits:

- Award-winning Hybrid Biometric Platform™ multi-modal biometrics system supports fingerprint, finger vein and palm vein recognition
- 1 Integration, Multiple Biometric Option to Offer for your customers
- Easily switchable among Biometric Engines if multiple biometric option needed
- Integrate biometric authentication in less than a day
- No system dependencies between host and biometric software
- Avoid burdensome internal development and ongoing maintenance requirements
- Remain focused on core competencies
- Includes Verification (1:1) and robust Identification (1:N) matching
- Scalable, multi-threaded server to optimize performance for large implementations
- Rely on biometrics R&D partner for continued best-of-breed development
- Automatic biometric database segmentation for Application Service Provider support

  
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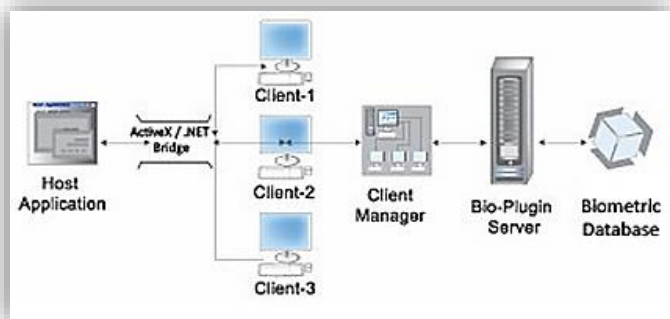
**M2SYS™**

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## How Bio-Plugin™ AppServer Works

M2SYS' patent-pending integration methodology eliminates any system dependencies between your application and Bio-Plugin™ AppServer, relieving the burden of constantly recompiling code and managing the complexities of a tightly coupled biometric system. Our dedicated and experienced engineering team will even guide you through the integration process. In less than a day, you can have a fast, reliable system for 1:1 and/or 1:N fingerprint, finger vein and palm vein recognition available for immediate deployment. M2SYS is setting the industry-standard for integrating complete multimodal biometric systems with a proven track record of integrating seamlessly with world-class enterprise software providers to help eliminate the inefficiencies and burden associated with internal development and ongoing support of biometric technology.



## System Capabilities\*

- Compression algorithm reduces size of stored records and improves speed
- Enroll fingerprints at 0.2 – 0.4 seconds
- Match fingerprint 100,000 per second in an optimized setting
- Adaptive image filtration eliminates “noise” and allows minutiae extraction from even poor quality prints
- Does not require presence of fingerprint core or delta points
- Fully tolerant to fingerprint translation and rotation
- Unique global feature categorization increases effective matching speed
- Feature generalization improves reliability of enrolled fingerprints, finger veins and palm veins.
- Encrypted biometric templates data over network and in database
- Supports wide range of Biometric Readers for Fingerprint, Finger Vein & Palm Vein



\* Reflects capabilities of one of the algorithms used in the Bio-Plugin™ system. System capabilities are directly dependent on the deployed algorithm.

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## M2-FuseID™ Smart Fingerprint Reader

The M2-FuseID™ is a revolutionary fingerprint reader that delivers higher levels of security, reliability and accuracy than other fingerprint scanners. In addition to capturing a high-quality, 500 dpi fingerprint image, the M2-FuseID™ simultaneously and safely captures the unique finger vein pattern inside your finger. By collecting the complete biometric characteristics of a single finger, this affordable, next-generation fingerprint reader ensures 100% enrollment rates through “smart” scanning technology. What You should know about this reader...



- *What is M2-FuseID™?*
  - ✓ M2-FuseID™ is a smart fingerprint scanner that's provides superior security
- *How is it better?*
  - ✓ It has built-in spoof proofing and liveness detection mechanism to prevent people from scanning an artificial finger.
- *How does it do that?*
  - ✓ It checks the presence of blood flow and finger vein pattern to eliminate the fake finger during the scanning operation.
- *What else?*
  - ✓ It helps with consistent read rate by forcing a uniform finger placement
- *How is it more reliable?*
  - ✓ It matches both fingerprint and finger vein to ensure that the fingerprint came from the same finger and source.
- *Where it is best suited?*
  - ✓ It is ideal for the biometric data capture, identification, and verification of civil ID, patient identification, banking, and other projects requiring the highest levels of security and accuracy.
- *What solutions it supports?*
  - ✓ Bio-Plugin Integration Software, Hybrid Biometric Platform, RightPunch, RightPatient, RightAccount, Bio-Signature

## M2-FuseID™ Technical Specifications

Category	Description
Interface	USB 1.1, 2.0
Type	Capacitive fingerprint sensor & finger vein LED camera
Liveness Detection	Through Finger Vein scanning while taking Fingerprint
Size	100mm (W) x 120mm (D) x 74mm (H)
Operating Temperature	0°C ~ +40°C
Calibration	Device self-calibrates
Warranty	One year limited
Operating System	Windows 8, 7, Vista, XP, 2000, Server 2003 and 2008 (32 & 64 bit)
Resolution	500 dpi (fingerprint)
Weight	250g (without cable)
Certifications	MIC, CE, FCC, RoHS, FIPS 201, PIV

  
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