Fingerprint or Vascular Biometrics?

Find out which is best for your business.

M2SYS™ ACCELERATED BIOMETRICS

M2SYS has the experience to know that, when it comes to biometric readers, it's not always one-size-fits-all. In fact, variables like environmental conditions, user demographics, and geography will greatly affect which biometric device will maximize your success. Only M2SYS offers fingerprint, finger vein, *and* palm vein recognition on the same biometric server platform to provide customers with unmatched flexibility.

Our technology has been implemented in a wide variety of industries, including workforce management, law enforcement, healthcare, schools, POS environments, and churches. Our unique expertise helps us to understand what is best for each individual client.

Fingerprint Readers

M2SYS® M2-S™ FINGERPRINT READER

M2SYS® M2-EASYSCAN™

Vascular Readers

M2SYS® M2-PALMVEIN™

M2SYS® M2-FV™ FINGER VEIN READER

	Fingerprint	Vascular
Performance dependent on surface skin quality?	✓	
Near 100% accuracy with every scan?		✓
0% failure to enroll rates (FTE)?		✓
Minimal physical contact with reader?		✓
More affordable than other readers in same category?	✓	✓

M2-PalmVein™ Reader

Industry leading palm vein biometrics with 100% authentication accuracy.

The M2-PalmVein™ is an industry leading palm vein biometric reader with 100% authentication accuracy. Palm vein technology is extremely user friendly, easy to use, and requires the least end-user training of almost all biometric readers.

Because the palm has the highest concentration of veins in the body, it is an ideal area for biometric scanning. Independent research has shown that in ideal conditions, palm vein technology can be 4x more accurate than fingerprint scanning.

The reader can be used with the hand guide, or completely contactless, depending on your deployment model. Since the palm never comes into contact with the actual scanner, palm vein readers have a longer life span than fingerprint readers.

The M2-Palm Vein™ is ideal for any environment. The reader instantly scans and identifies users with near 100% accuracy despite skin surface problems, environmental conditions, climate, or other demographics.

> Can be used by anyone – the palm vein scanner has virtually no physiological restrictions.

> Sophisticated algorithms allow for near 100% accuracy every time.

> Can be deployed in a variety of implementation settings.

> No privacy issues.

Great for these environments:

➢ **Healthcare & Hospitals**
➢ **All**

M2-FV Finger Vein Reader

The ultimate authentication technology for maximum security in any vertical.

The M2-FV is a very unique, stable, and distinct finger vein hardware system that has revolutionized the biometric industry. Finger vein patterns are very difficult to replicate which makes forgery virtually impossible, ensuring maximum security for businesses and consumers across all environments.

With a near 0% failure rate, and high tolerance of skin surface problems, finger vein technology is ideal for environments where users are subject to dry, damaged, or worn fingerprints.

(a) Imaging using Light Reflection

(b) Imaging using Light Transmission

Fig. 3 Comparison of Lighting Methods

> High accuracy with direct light resistant design and upper Encrypted Data Transfer on USB

> Extremely low failure to enroll (FTE)

> Versatile unit and compact design for better operability

> High tolerance of skin surface problems, eg. Roughness, moisture, dirt. (Low FRR)

Best for these environments:

➢ **Mechanical and Assembly**
➢ **Maintenance**
➢ **Manual Labor**
➢ **Elderly Population**

M2-S Fingerprint Reader

Our most durable fingerprint scanner. Flexible design, high accuracy rate.

The M2-S' ergonomic design forces perfect finger placement with each fingerprint scan to produce an optimized fingerprint image with maximum captured surface area.

The M2-S fingerprint reader has a rugged design and durable frame, providing sturdiness that is unmatched by other fingerprint scanners in the same price category. The bottom of this fingerprint reader has a mounting hole, allowing it to be easily secured to any surface.

The M2-S fingerprint reader provides virtually fool-proof fingerprint recognition. The "smart-touch" scanning area enables the fingerprint reader to reject latent and counterfeit fingerprint images.

Works well in these environments:

- ➢ **Workforce Management**
- ➢ **Banking**
- ➢ **Point of Sale**
- ➢ **Customer Authentication**
- ➢ **"White Collar" Deployments**
- ➢ **Jail Management Systems**

M2-EasyScan Fingerprint Reader

Ergonomic design, SmartCapture™ technology and smooth scanning area

The M2-EasyScan™ is built to last, eliminating costly replacements. Additionally, the reader comes with a two-year warranty, and is the most affordable reader that M2SYS offers.

The reader's hard, quartz-like sensor surface assures that this fingerprint reader will stand the test of time, even in high throughput settings. The scanning surface does not degrade even with frequent usage.

This scanner has the ability to recognize smaller children in school lunch line POS environments and can auto-enhance fingerprint image quality with the use of SmartCapture™.

Ideal for these environments:

- ➢ **School Lunch Line POS**
- ➢ **Youth Membership Management**
- ➢ **Afterschool Programs/Childcare**
- ➢ **Member Authentication**

M2SYS Offers the Most Superior All around Service

Product/Service Offering	M2SYS	Other Biometric Providers
Biometric Hardware	M2SYS software supports a variety of fingerprint AND vascular biometric readers. This gives you **multiple options** so that you are never tied to a single device. We have the unique ability to adapt to your specific needs.	Biometric hardware companies provide software that only works with their readers. If a device does not work well due to environmental or user conditions, there is no other option. These providers do not have the ability to adapt to your needs.
Biometric SDK	The M2SYS Hybrid Biometric Platform™ is a client/server biometric software system that supports fingerprint, finger vein, palm vein, and iris recognition. Using M2SYS' patent-pending Bio-Plugin™ integration methodology, software developers can integrate Hybrid Biometrics™ in a matter of hours and immediately have the ability to deploy the form of biometric technology that best neutralizes varying user, demographic, and environmental conditions.	Provide only a low-level SDK, which can require a significant investment in initial development/integration and ongoing support/maintenance. This puts the burden of SDK support on your shoulders.
Support	For integrators and resellers, M2SYS offers a range of sales and marketing support services to ensure that you are getting the maximum return from your biometric technology investment.	Only provide technical support.