

M2-FuseID™ “Smart” Finger Reader

Next-Generation Fingerprint Reader Delivering Optimal Security & Reliability
with Advanced Finger Imaging and Liveness Detection

M2-FuseID™ is a revolutionary “smart” finger 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.



The M2-FuseID™ scanner 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. With our biometric software and scalable matching system, customers can perform one-to-many identification of millions of fingerprint and /or finger vein templates in mere seconds.

Key Benefits:

- ❖ High accuracy, direct light resistant design
- ❖ Ultra-precise, FBI-compliant 500 DPI fingerprint image resolution
- ❖ Sophisticated liveness detection (see side 2 for more details)
- ❖ Compact and versatile unit with lightweight design
- ❖ Compatible with M2SYS Bio-Plugin™ Matching System, RightPatient™, and RightPunch™

Key Features:

- ❖ Capture fingerprint and finger vein simultaneously in a single touch
- ❖ High-level encrypted data transfer across USB
- ❖ LED display visual feedback
- ❖ Intuitive interface
- ❖ Expansive operating range (0° - +40°C, wet or dry)

M2SYS™

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Ideal for Dual Factor Authentication Environments

For some business transactions, a single modality biometric device doesn't provide the level of security that is required. These high-security environments require an innovative, next-generation “smart” finger reader that delivers greater accuracy and anti-spoofing capabilities. Additionally, the ability to perform real-time de-duplication against a large database eliminates the risk of fraudulent enrollments. The M2-FuseID™ is the only “smart” finger reader that can perform both one-to-many (1:N) and one-to-one (1:1) server-side matching for both fingerprint and finger vein templates. This capability combined with its unique ability to simultaneously capture two different biometric templates makes the M2-FuseID™ an ideal device for markets such as financial services where security and compliance are essential.

Liveness Detection Technology to Prevent Spoofing

Sophisticated Liveness Detection

- ❖ Simultaneously looks at and beneath the skin surface
- ❖ Protects against fake and spoofed fingerprints
- ❖ Provides protection from published and unpublished finger copying methods
- ❖ Adaptable against future spoof threats

TECHNICAL SPECIFICATIONS

Category	Description
Interface	USB 1.1, 2.0
Type	Capacitive fingerprint sensor & finger vein LED camera
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 7, Vista, XP, 2000, Server 2003 and 2008 (32 and 64 bit)
Resolution	500 dpi (fingerprint)
Weight	250g (without cable)
Certifications	MIC, CE, FCC, RoHs, FBI, FIPS 201

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