

MV1200™ MV-LITE™ OEM MODULES



Today's advanced electronic devices demand convenient and secure identity verification. With the simple touch of a finger, the MV1200 and MV-Lite reliably verify the identity of an individual in approximately 1 second. Designed with optimum flexibility for OEMs, the MV1200 and MV-Lite are full-featured, stand-alone fingerprint verification modules. The devices are smaller than a business card and provide an external sensor and finger mask, making integration with a wide array of devices simple and straight-forward.

BENEFITS

- Available Models: Verify (1:1) or Identify (1:n)*
- Fast Response Time: Powerful DSP processor from Texas Instruments
- Privacy Protection: Non- AFIS compatible template structure
- Accurate: World's leading algorithm (#1 at FVC 2002)
- Advanced Sensor Technology: AuthenTec TruePrint™ silicon-based technology, works well with scarred, dirty and worn fingers
- Flexible: Flash memory capable of storing approximately 4000 templates, with field upgradeable firmware

**Identify model currently not available for MV-Lite*

BIO-SDK

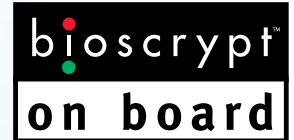
To simplify your integration of the MV1200 and MV-Lite, Bioscrypt offers the BIO-SDK which includes a Windows-based DLL for custom development. The BIO-SDK includes support for interfacing with the MV1200, MV-Lite, and the entire Veri-Series line of products, making integration simple, quick and efficient. For OEM customers looking to control the MV1200 and MV-Lite using a micro controller or other serial interface, the BIO-SDK also offers detailed documentation describing the low-level command set.

BIO-SDK

BENEFITS

- Simple API supports both low-level embedded applications as well as high-level Windows-based applications (languages supported include C/C++, Visual Basic, etc.)
- Full-featured API includes authentication as well as template transfer and reader configuration
- Simple-to-use serial communication commands
- Sample code with demo application
- Small, robust packet structure, from 192 bits, is ideal for micro controllers, etc.

Technical Information



MV1200™

Dimensions:

OEM fingermask: 39 mm x 39 mm
Vendor portal: 35 mm x 35 mm
Main DSP board: 63 x 43 mm ~10 mm

Communication:

One Aux RS 232 port; one host port RS 485 or RS 232 port; Wiegand IN/OUT, two GPI ports and two GPO ports

Verification Model: (1:1)

Enrollment Time: ~ 1 second
Verification Time: ~ 1 second
(EER) Equal Error Rate (FAR=FRR): 0.1%
FRR: Adjustable
FAR: Adjustable
Template Size: ~ 350 bytes
Number of Templates: ~ 4000

Identification Model (1:n)

Identification Time: ~ 2 seconds
False Acceptance Rate (FAR): 0.2%
False Rejection Rate (FRR): 1.0%
Template Size: ~ 2400 bytes
Number of Templates: Optimized for 100
200 maximum capacity

Power Requirements:

Idle: 150 mA @ 5 V DC Regulated
Peak: 700 mA @ 5 V DC Regulated

Single Header Cable, 40 pin with Hirose connector - All communication and power from one cable.

Sensor:

AF-S2 by Authentec (13mm x 13mm)

Software:

Field upgradeable through downloadable firmware, provided free from Bioscrypt web page.

MV-Lite™

Dimensions:

OEM fingermask: 39 mm x 39 mm
Vendor portal: 35 mm x 35 mm
Main DSP board: 63 x 43 mm ~10 mm

Communication:

One RS 232 port; one GPI and one GPO port

Verification Model: (1:1)

Enrollment Time: ~ 1 second
Verification Time: ~ 1 second
(EER) Equal Error Rate (FAR=FRR): 0.1%
FRR: Adjustable
FAR: Adjustable
Template Size: ~ 350 bytes
Number of templates: ~ 4000

Power Requirements:

Idle: 150 mA @ 5 V DC Regulated
Peak: 250 mA @ 5 V DC Regulated

Single Header Cable, 10 pin with Molex connector - All communication and power from one cable.

Sensor:

AFS8500 by Authentec (9.75mm x 9.75mm)

Software:

Field upgradeable through downloadable firmware, provided free from Bioscrypt web page.

Canadian Office

5450 Explorer Drive, Suite 500
Mississauga, ON L4W 5M1
p. 905 . 624 . 7700
f. 905 . 624 . 7742

UK Office

35 Jackson Court, Hazlemere
High Wycombe, Buckinghamshire
England HP15 7TZ
p. +44 (0) 1494 814 404
f. +44 (0) 1494 815 513

US Office

5805 Sepulveda Blvd., Suite 750
Van Nuys, CA 91411
p. 818 . 304 . 7150
f. 818 . 461 . 0843