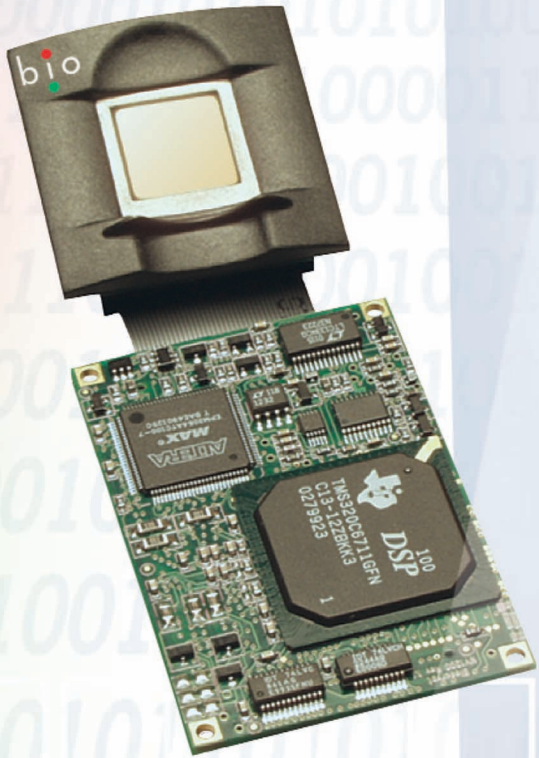


# MV1200™ OEM MODULE



Today's advanced electronic devices demand convenient and secure identification. With the simple touch of a finger, the MV1200 reliably verifies an individual's identity in ~1 second. Designed with optimum flexibility for OEMs, the MV1200 is a full-featured, stand-alone fingerprint verification module. The device is smaller than a business card and provides an external sensor and finger mask to accommodate a wide range of installations.

## BENEFITS

- Available in verify or identify models
- Powerful DSP processor from Texas Instruments
- Flexible communications options – Wiegand, RS 232, RS 485 and 2 GPIO ports
- Single header cable – All communications and power run off one single cable
- Privacy – Fingerprints cannot be recreated from our templates or used in Government background checks (i.e. AFIS and DMV)

## Multiple Communication Interfaces: Convenient Integration Options

Our MV1200 offers an RS 232 Aux port, a multi-purpose host port that can be configured as an RS 232 or 2-wire RS 485 port, along with a Wiegand I/O and 2 GPIO ports for standard access control.

## BIO-SDK

To simplify your integration of the MV1200, Bioscrypt offers the BIO-SDK which includes a Windows-based DLL for custom development. With over 300 commands for the MV1200 and Veri-Series products, the SDK makes integration simple, quick and efficient. For OEM customers looking to control the MV1200 using a micro controller or other serial interface, the SDK also offers detailed documentation describing the low-level command set for the MV1200.

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# BIO-SDK™

## BENEFITS

- Simple high-level API for Windows-based applications (supports C/C++, Visual Basic, Delphi, Etc.)
- Full-featured API includes reader configuration capability as well as authentication and data transfer
- Simple-to-use serial commands
- Small packet size, from 192 bits, is ideal for micro controllers, etc.



# Technical Information



## Dimensions:

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

Enrollment Time: ~1 second  
Verification Time: ~1 second  
Identification Time: ~2 second  
(EER) Equal Error Rate (FAR=FRR): 0.1%  
False Acceptance Rate (FAR): 0.2%  
False Rejection Rate (FRR): 1.0%  
Number of Templates: 1-200 Identify (1:n)  
4000 Verify (1:1)  
Template Size: < 2400 bytes for Identify (1:n)  
<350 bytes for Verify (1:1)

## Voltage:

1 VDC @ 5 amp regulated (peak)

## Communications:

One RS 232 port; one RS 485 or RS 232 port;  
Wiegand IN/OUT and 2 GPIO ports

## Sensor:

AF-S2 by AuthenTec

## Software:

Field upgradeable through downloadable firmware

The symbol bioscrypt on board™ signifies that Bioscrypt Inc.'s high standards of biometric quality and security reside within that product.

### 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

[bioscrypt.com](http://bioscrypt.com)

The bioscrypt logo, featuring the word "bioscrypt" in a black box with a red dot above the 'i' and a green dot above the 'o'.

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