

MORPHOSMART™ MSO XX1 OEM

OEM FAKE FINGER DETECTION MODULE



Advanced device for high security environment

Fake finger detection

FBI PIV IQS certified

FIPS 201 approved template generator and matcher

Fast authentication and identification

MORPHOSMART™ MSO XX1 OEM

OEM FAKE FINGER DETECTION MODULE



Choose leading edge technology from the world leader in biometrics

The MSO XX1 OEM complements the MorphoSmart™ range and offers the possibility to detect a fake finger thanks to Morpho's patented optronic sensor technology. The MSO XX1 OEM module meets and exceeds FBI PIV IQS requirements.

This device is perfectly suitable for the following applications:

- Access control to high-security environments
- Readers left unsupervised
- Identification for banking transactions (POS, ATM)

The best of Morpho's fingerprint technology

The MorphoSmart™ MSO XX1 OEM includes embedded software components integrating the Morpho algorithms, approved by the FIPS 201 Evaluation Program. Morpho technology ranks first place in the Ongoing MINEX benchmark for interoperability, conducted by NIST.

A world of advantages in a compact design

- High speed 1:1 authentication (0.8 sec.) and 1:N identification (< 1 sec for 500 users)
- Fake Finger Detection
- Optronic sensor (500 dpi), with large capture area: 23mm x 23mm
- Large database of up to 10,000 templates
- Choice of template formats: Morpho proprietary, ISO 19794-2 or ANSI/INCITS 378
- Accurate
The false acceptance rate (FAR) can be adjusted down to 10^{-8} depending on the required level of security.
High accuracy when processing juvenile fingers

• Robust

The optical sensor technology offers longer life-time and enhanced resistance to electro-static discharges, scratches and shocks. With the entire module sealed from dust and water, it can be easily integrated into IP 65-rated end products.

- Capable of supporting 2 communication protocols: RS232 or USB interfaces
- Versatile, same device for enrollment and identification
- Equipped with the security option, it combines in one device the technologies of biometric authentication and Public Key Infrastructure (PKI) to offer a truly secure solution for positive person authentication. This technology is compatible with existing X.509 PKI.
- Software package available
 - The MorphoSmart™ SDK allows the development of applications thanks to DLL available on Windows® platforms and uses the embedded algorithms of MorphoSmart™ MSO OEM,
 - Bio API Interface included,
 - Development on Linux platforms available upon request,
 - ILV protocol available.
- Compliant with CE, FCC and RoHS standards

	MSO xx1 OEM	MSO xx1 OEM Identlite	MSO xx1 OEM Identplus
Verification	Yes	Yes	Yes
Identification 1:N	Yes	Yes	Yes
Number of users	500	3,000	5,000
Record capacity (templates)	1,000	6,000	10,000
Fake Finger Detection	Yes	Yes	Yes

Morpho

Phone: +33 (0)1 58 11 73 42 - Fax: 33 (0)1 58 11 89 93 - www.morpho.com - www.biometric-terminals.com
Registered Office : Le Ponant de Paris - 27, rue Leblanc - F-75512 PARIS CEDEX 15 - FRANCE
Société anonyme au capital de 159.876.075 euros - 440 305 282 R.C.S. PARIS