



## **MorphoSmart™ CBM-E**

### **Enhanced quality OEM fingerprint module**

- *Quick integration of biometric functions*
- *New high quality optical sensor*
- *PIV-IQS compliant (FBI certification)*
- *Excellent Identification performances*
- *Large database capacity available*
- *FIPS 201 approved template generator & matcher*



**Sagem Morpho Inc.**  
SAFRAN Group

# MorphoSmart™ CBM-E

## Enhanced quality OEM fingerprint module



### Choose leading edge technology from the world leader in biometrics

Sagem Sécurité introduces the MorphoSmart™ CBM-E compact biometric device. This new product complements the existing MorphoSmart™ CBM series. It offers high quality images and features FIPS 201 approved biometric algorithms, which are known worldwide for their levels of accuracy and performance, as well as their exceptional robustness.

Whether used for off-the-shelf or custom-made applications, the MorphoSmart™ CBM-E offers a flexible, cost-effective solution for the fast and secure processing of high quality fingerprint images.

### Smart and innovative applications with CBM-E

With the MorphoSmart CBM-E, you can offer rapidly and *without specific knowledge of biometrics*, the benefit of fingerprint identification to applications requiring compliance with the US government's Federal Information Processing Standard 201 — FIPS 201.

### A world of advantages in a compact design

- **Fast 1:1 verification** (0.9 sec) and **1:N identification** (1 sec for 500 users)
- Large database of up to **10,000 templates**
- **Choice of template format:** Sagem Sécurité proprietary, ISO SC37 19794-2 or ANSI/INCITS 378
- **FBI PIV-IQS certified**
- **Accurate**  
The false acceptance rate (FAR) can be adjusted down to **10<sup>-8</sup>** depending on the required level of security  
High accuracy when processing **juvenile fingers**
- **Large capture area** 14x22mm  
High-performance optical sensor (500 DPI)
- **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 is easily integrated into **IP65-rated** end products.
- **Easy integration into existing systems:** USB or Serial TTL Open-Collector
- **Versatile**, same device for enrollment and identification
- **Enhanced security features:**  
Two different security operating modes: data integrity check by the host – by way of a digital signature – or encrypted data exchange – using secure tunneling.
- **Software package available**  
SDK allows the development of applications thanks to DLL available on the Windows® platforms, and uses the embedded algorithms of MorphoSmart™ CBM-E. Development on the Linux platform available upon request  
ILV protocol is also available
- **RoHS compliance**
- **Compliant with CE, FCC15, UL 294 pending**

	CBM-E	CBM 4MB Identlite	CBM 4MB Identplus
Verification 1:1	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

"Morpho" and the Sagem logo are U.S. registered trademarks of Sagem Sécurité. All other product and company names which may be referenced herein are trademarks or servicemarks of their respective owners.



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