

PKCS#11 SDK

Custom Solution

Fx3000 and Smart Card as a single
Biometric enabled cryptographic token



Biometrika **PKCS#11** solution consists of the combination of the **Fx3000** scanner and a **Smart Card**. This combination acts as a single biometric enabled cryptographic token: a token that can be activated by fingerprint recognition. PKCS#11 library enables full **application interoperability** with minimum development efforts and enables the use of both traditional and biometric cryptographic tokens. Biometrics represent a natural solution for all applications where **strong authentication** is required. While Match On Card technology is still not reliable enough (there are no independent tests about the reliability of those systems), **Match on Board** technology, such the one of Fx3000, enables high reliability and security of biometric information. Obviously, PKCS#11 is strongly dependent on the type of Smart Card used; therefore PKCS#11 has to be considered as a custom solution that must be adapted to a specific Smart Card technology

Features and Advantages

Easy to use

- No passwords to remember
- Enables the management of different passwords for different applications
- No critical data stored on the PC

Security of the biometric information

- Smart Card technology and “state of the art” cryptographic algorithms enable the total protection and security of the fingerprint template

Application Interoperability

- Minimum development effort thanks to the standard interface
- Enables the use of both traditional and biometric cryptographic tokens

Interface and Development

- Standard Programming interface for the maximum application interoperability
- Supports all main programming languages (C, C++, VB6, VB.Net, Java,..)
- Operating Systems: Windows 98/NT/2000/XP