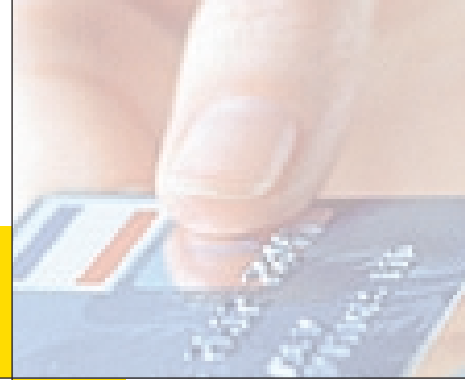


# Xi-Pass

**A PC/SC reader with Secure PIN entry**



## > **A PC/SC reader for cardholder authentication**

- Xi-Pass is a reader compliant with the PC/SC standard, equipped with a display screen and a keypad. When connected to a PC, it identifies the holder of a smart card by prompting him/her to enter his/her personal identification number (or PIN) on the reader itself.
- The PIN entry is secure and the architecture of Xi-Pass guarantees the confidentiality of the PIN with respect to the PC.
- Xi-Pass is an ideal product for applications which, in a face-to-face situation, require the identity of the cardholder to be confirmed before carrying out an operation: Identification at an administrative desk, for example.
- Xi-Pass raises the security level of applications which use standard PC/SC readers, and which would otherwise not have a Secure PIN entry feature: The personal identification number never transits through the PC and is never exposed.
- Xi-Pass is simple to operate and easy to set up, and enables operators who have developed a PC/SC application to increase the security of their application and the trust of the cardholders, by enabling the latter to type in their code locally, on a terminal that is independent of the PC.

## > **A reader connected to the PC**

- Xi-Pass is regularly used in a configuration where the application is run on the workstation. In order to carry out the required operations, the application will ask the cardholder to authenticate himself by inserting his/her personal smart card. This action will activate the application contained in Xi-Pass, which prompts the cardholder to enter his/her PIN on the Xi-Pass keypad. Once the PIN has been entered and confirmed, it is sent to the card for verification. If it is correct, then the application will receive an acknowledgement and will be able to continue processing, without giving the PC any possibility of intercepting the confidential PIN.

- Thereafter, the unit behaves as a transparent reader, compliant with the PC/SC standard and controlled by the application run on the PC. Whenever necessary, the application can use the reader to ask the smart card to carry out a security operation, such as signing a message for example.

### > **An easy-to-use reader**

- Xi-Pass has been designed for easy integration into an existing architecture, without requesting complex developments. Xi-Pass does not require any programming, and already has all the necessary functions on board.
- An existing PC application which interfaces with a standard PC/SC reader can be updated to use Xi-Pass without requiring any changes to its architecture.
- Depending on its needs, the application will be able to use the display and selection capabilities (function keys) provided by the Xi-Pass interface.

### > **A robust and ergonomic design**

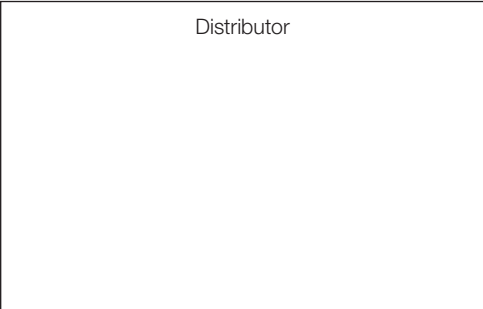
- Xi-Pass consists of a keypad comprising a numerical section, a set of function keys and several colored keys to confirm, correct or cancel the input. The interface is familiar, making it natural to use.
- The display screen guides the user and displays confirmation or error messages.

### > **Technical specifications**

Smart card interface	ISO 7816 (T=0 or T=1), EMV
Screen	2 lines of 16 alphanumerical characters
Keypad	26 keys
Security	Secure PIN entry and verification
Communications	RS 232 serial or USB
OS supported	Windows 98, 2000, NT, Me, XP
Electrical power supply	Via the RS232 connection and PS2 multiple adapter, or via the USB port
Dimensions	150 x 100 x 25 mm
Standards	CE, EN 60950, EN 50082-1, EN 55022 cl. B

**[www.xiring.com](http://www.xiring.com)**

RIVER SEINE  
25, QUAI GALLIENI  
92158 SURESNES - FRANCE  
TEL. : +33 (0)1 46 25 80 80  
FAX : + 33 (0)1 46 25 80 20



**Bring your smart cards to life !**