

Xi-Pad

A reader directly connected to a network



> **A programmable and communicating reader**

- Xi-Pad is a standalone and communicating reader. It has been designed for dedicated services in which an operator needs to be able to establish a remote dialogue with a smart card (tele-administration).
- Xi-Pad has the application on board, and can be set up in public or private locations in order to carry out updates on a smart card, to reload an electronic purse or a transport card, to collect data from a pool of cards, or to securely access data from a remote account.
- Designed to be connected to a communication network, the Xi-Pad automatically establishes a direct communication with a remote server, using a secure link.

> **Reinforced security**

- Xi-Pad's security is one of its strengths. Locally, the Xi-Pad can manage the user's PIN verification in complete security.
- Xi-Pad includes an internal SIM format card slot for a Security Access Module (SAM), so that it can efficiently carry out all the cryptographic calculations using asymmetrical algorithms.
- The on-line communications can be encrypted in order to guarantee the confidentiality of the exchanges.

> **For a variety of applications**

- Xi-Pad is used in administrative applications for updating a pool of smart cards. Installed in an entrance hall and connected to the telephone network, it is always available for citizens to synchronize their cards with the data contained in the central server.

- Xi-Pad is an ideal platform for reducing queues at desks when specific processing is not required by a user, e.g. for updating personal entitlements, for carrying out tele-collection, or for confirming the presence of a person at a mandatory point of passage.

- In corporate applications, Xi-Pad is an ideal tool to secure all transactions which, until now, required confirmation by fax or by phone and therefore generated risks and resulted in long processing times.

> Programming and connectivity

- The application installed in Xi-Pad is developed in C language, using the Xi-Studio development environment. The memory available as standard offers the possibility of developing complex applications.

- Thanks to its on-board TCP/IP protocol, Xi-Pad can be connected to the analog telephone network (V32bis modem), or directly connected to an Ethernet LAN. In order to provide the operator with as much flexibility as possible, the modem solution is external and therefore enables the unit to be adapted to the constraints of the place where it is installed.

> A robust and ergonomic design

- Xi-Pad has 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.

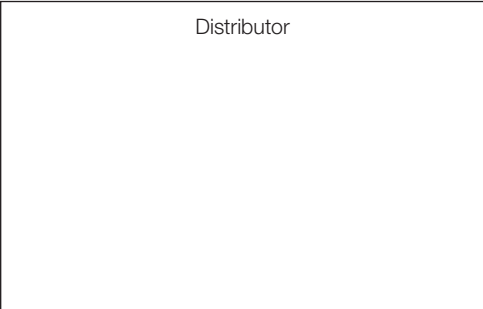
- The display screen guides the user and displays confirmation or error messages.

> Technical specifications

Smart card interface	One ISO format card and one SIM format card ISO 7816 (T=0 or T=1), EMV
Program / data memories	1MB / 1MB
Screen	2 lines of 16 alphanumerical characters
Keypad	26 keys
Security	Secure PIN verification
Real-time clock	Battery-backed
Communications	RS 232 serial or USB External V32bis modem or Ethernet LAN On-board TCP/IP stack
Electrical power supply	Connected to a PC: via the RS232 connection and PS2 multiple adapter, or via the USB port With modem: External power supply unit
Dimensions	150 x 100 x 25 mm
Standards	CE, EN 60950, EN 50082-1, EN 55022 cl. B

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