

IXP200 SERIES

IXP200 ACCESS CONTROL SYSTEM

INTRODUCTION

The IXP 200 Access Control System is a fully featured, stand alone access control system designed to meet the needs of a small to medium-sized business. The system can easily be upgraded to an IXP300 (ImproNet) system without changing hardware units, and to an IXP400 (ImproNet) system if the Controller is replaced by an ImproX AC Controller.

APPLICATIONS

The IXP200 System provides access control facilities (including lift/elevator control) for up to 16 doors.

FEATURES

The IXP200 System provides the following features:

- Control of up to 16 doors, or 15 doors with up to 4 lifts with service to 16 floors each.
- Firmware upgrade capabilities.
- Uses standard ImproX hardware.
- Provides for up to 16 zones, either Anti-Passback or Non-Anti-Passback.
- Offers three Anti-Passback modes - Off, Relaxed, Strict.
- Supports up to 2 000 Tags.
- Supports standard Impro tags.
- Stores the most recent 8 000 transactions.
- Provides four tag levels: Administrator, Supervisor, Normal and Visitor
- User-configurable Time Patterns, enabling the access requirements for a given door to be specified according to time and day.
- Door Mode Patterns - these determine access status at specified times.
 - Locked, No Entry, Supervisor Unlock, Tag required, Personal Access Code, Door Entry Code, Open, Open Now.
 - Dual Tag option.
 - Duress codes.
- Option of Tag only, Tag with Tagholder PIN, Tag with reason Code.
- offers Anti-Passback Lockout.
- Digital control inputs.
- Messaging capabilities: (1 of 255 predefined messages can be linked to a tag and displayed at LCD-equipped readers).
- System can respond to Time Triggered Actions.
- System can respond to Input Event Triggered Actions.
- Intrusion Alarm and Alarm Panel Arming facilities.
- Access Transaction Reports and Configuration Reports are provided as Web Reports viewed in a browser.
- Web Reports can be viewed from any PC on the LAN with password control.
- System can be upgraded to a fully functional IXP300 (ImproNet) system, using the same hardware units.
- Open Firebird/Interbase Database allows for integration of third party software.
- Graphics Software for visual plan displays of the access control areas.
- Card Printing Software for printing Tagholder data on credit card tags.
- Language Translation facility, to localise the software for a particular region.
- Daylight Savings can be applied.
- Emergency Open Doors.
- Online Help.
- Support for most major third party Biometric Readers.
- Support for Barcode Readers.

SYSTEM HARDWARE

The system hardware is made up of:

- One Improx IC Controller.
- Up to 32 ImproX Reader Terminals of types DT, PT, TA, TT or DL for tag reading on 16 doors (in and out). Two Terminals are required per door if tag access is required from both sides of the door.
- For each ImproX DT Terminal used, a Remote Reader is required. The ImproX RF Receiver or ImproX IR Receiver can be used in place of a Remote Reader on a DT Terminal and PT Terminal.
- Input and Output Terminals (i.e. ImproX I16 and O16 Terminals), which can be used for Building Management and/or Lift Control.
- If Lift Control is implemented one O16 Terminal is required per lift (with one additional ImproX Reader) up to a maximum of 4 lifts with a maximum of 16 floors per lift.

ImproX Terminals

The ImproX Terminals can be divided into two groups when used in the IXP200 system, each being used for different purposes, namely:

- Input and Output Terminals for Building Management and for Lift Control.
- Terminals capable of reading tags (referred to here as Reader Terminals), which can be used as access Readers for doors and lifts (suitable Terminals are indicated in Table 1).

During the Software Configuration process each Terminal is assigned to a specific Door, to Lift Control or to Building Management functions, in accordance with the installation wiring.

ImproX and Third Party Units which can be used in an IXP200 System

The units listed in Table 1 are compatible with IXP200 Systems.

Title	Description	Tag Reader	Code
ImproX DL	LCD Keypad Terminal (non-programmable).	Yes	XDL900-1-0-GB-XX
ImproX DT	Door Terminal (used with various remote Readers as listed in this table).	No	XDT900-0-0-GB-XX
ImproX I16	16-Input Terminal.	No	XIT900-0-0-GB-XX
ImproX O16	16-Output Terminal.	No	XOT900-0-1-GB-XX
ImproX IR	ImproX IR Infrared Receiver ***	IR Only	ITR900-0-0-GB-XX
ImproX KHR	Keypad Remote Reader (Harsh Environment)***	Yes	XKR901-1-0-GB-XX
ImproX KR	Keypad Remote Reader ***	Yes	XKR900-1-0-GB-XX
ImproX MHR	Micro Remote Reader (Harsh Environment)***	Yes	XMR901-1-0-GB-XX
ImproX MR	Micro Remote Reader ***	Yes	XMR900-1-0-GB-XX
ImproX TT	Twin Antenna Terminal.	No	XTT900-1-0-GB-XX
ImproX TA	Time and Attendance.	Yes	XTA902-1-0-GB-XX
ImproX CR	Conduit Remote ***	Yes	XCR900-1-0-GB-XX
ImproX ER	Extended Range Reader	Yes	XER901-3-0-GB-XX
ImproX ER Antenna	Extended Range Antenna 350 mm x 350 mm *	Yes	XER902-3-0-GB-XX
ImproX ER Antenna	Extended Range Antenna 400 mm x 400 mm *	Yes	XER905-3-0-GB-XX
ImproX ER Antenna	Extended Range Antenna 800 mm x 400 mm *	Yes	XER904-3-0-GB-XX
ImproX ER Antenna	Extended Range Antenna 1200 mm x 400 mm *	Yes	XER903-3-0-GB-XX

ImproX MMA	Mullion Antenna Reader **	Yes	XTT901-1-0-GB-XX
ImproX MA	Micro Antenna Reader **	Yes	XTT902-1-0-GB-XX
ImproX KA	Keypad Antenna Reader **	Yes	XTT907-1-0-GB-XX
ImproX MHA	Metal Antenna Reader **	Yes	XTT903-1-0-GB-XX
ImproX KHA	Metal Keypad Antenna Reader **	Yes	XTT904-1-0-GB-XX
ImproX KMA	Mullion Keypad Antenna Reader **	Yes	XTT905-1-0-GB-XX
ImproX RA	Rod Antenna Reader ***	Yes	XTT906-1-0-GB-XX
ImproX ProxPal	Desktop Tag Reader.	Registration only	XPP900-1-0-GB-XX
ImproX RF	UHF Receiver ***	UHF Only	UHR900-0-1-GB-XX
ImproX PT	Portal Terminal reader (with or without Remote Reader).	Yes	XPT900-1-0-GB-XX
Bioscrypt	Requires an ImproX PT and Wiegand 26/44 Reader	No	
Identix Fingerscan V20	Requires an ImproX PT and Wiegand 26/44 Reader	No	
Sagem Bio Morpho Access	Fingerprint Reader (Requirea an ImproX PT or DL Terminal).	No	3rd party unit.

* Antenna's used in conjunction with the ImproX ER

** ImproX Antenna Readers used in conjunction with the ImproX TT

*** ImproX Remote Readers used in conjunction with the ImproX DT, PT or TA .

TABLE 1: COMPATIBLE IMPROX UNITS

NOTE: Other IXP200 compatible units are currently under development.

SYSTEM PC

Hardware

The minimum requirements for any PC and peripheral devices used with the Software are as follows:

- CPU : Pentium II 300 or faster processor.
- Memory : Minimum 128 Mb RAM.
- Peripherals : CD-ROM drive, or access to a network CD-ROM drive.
- Communications : RS232 port.
- Hard Drive : Minimum 200 Mb of unused space.
- Floppy Drive : 3.5" high density floppy drive.
- Pointing Device : Mouse or equivalent.
- Printer : Laser or Inkjet printer.
- Display : SVGA with a minimum resolution of 800 x 600.

Software

The IXP200 requires the following Software to be installed on the Host PC:

- Operating System : Windows 98, 2000, NT or XP Professional.

RELATED IMPRO PRODUCTS

The system uses items from the ImproX Range of hardware. Please refer to table 1 and the associated catalogue pages for further information.

The Impro Graphics Designer Software can also be used in this system.



ORDERING INFORMATION

The IXP200 Software and IC Controller are supplied together and can be ordered under the code IXP920-1-0-GB-XX.

An IXP200 System for more than 4 doors must be ordered by specifying the units required as follows:

Item	Code
IC Controller and IXP 200 System Software	IXP920-1-0-GB-XX
Other Units	See Table 1

IXP200 Series

System Architecture

(Typical Example)

