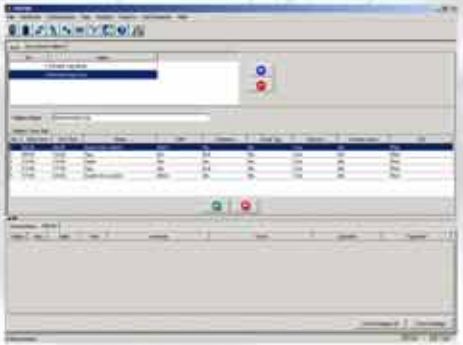
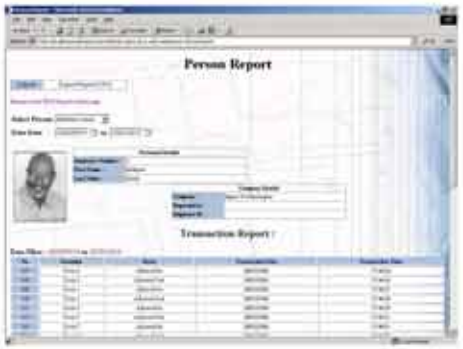
impro®

DOOR MODE PATTERNS



WEB REPORTING



CARD PRINTING

IXP200 Software

The IXP200 system includes a full Windows based, user friendly software suite. The software facilitates the configuration of advanced functions such as:

Auto Hardware Configuration

For easy system setup, readers report their unique identity, including model numbers, during an automatic interrogation.

Door Mode Patterns

Program doors to operate in specific modes (e.g. door open; dual tag required etc.) during an programmed times.

Time Triggered Actions

Program output relays to be activated on specific days and times to perform predetermined actions. e.g. enable security lights, etc. Digital feedback allows functions to be terminated early.

Event Triggered Actions

Program specific actions to activate when certain events occur at specific times, such as the detection of an alarm input or building management sensor (e.g. light, humidity or temperature control sensors). This feature can also be used in conjunction with other security systems such as CCTV. Digital feedback is also allowed.

Access Groups / Timezones

Configure up to 64 access groups, allowing them specific doors at predetermined times. This feature is totally customisable by the user through the IXP200 Software.

Programmable Holidays

Custom-program holiday can be set to the site at which the IXP200 system is installed. The dates are treated as official holidays and the system can be instructed to operate differently during these days.

Web Reporting

The powerful web reporting is available to anyone on the network with a web browser. The password-protected reports display person, administrator, transaction and general system reports that include basic time and attendance information.

Tag Programming

Program tagholders into the system using the IXP200 Software. Detailed information such as telephone number, address and identity number can be saved along with a digital image of the tagholder. Each tagholder can be assigned up to 4 tags.

Graphics

An integrated building graphics module allows the user to view their site floor plans. The module includes features such as alarm monitoring and acknowledgement, door transaction monitoring, on-screen remote control (e.g. door open/close) and a 'search for tagholder' feature, giving user's a convenient method to perform system monitoring and control. The Graphics Designer allows users to import floorplans, maps and images into the software. A drag-and-drop feature is used to add system icons to the floorplan. Multiple level floorplans are supported. In the event of alarms the applicable Floorplan will pop up showing the location.

Card Printing

A user-customisable card design and printing module included with the IXP200 Software facilitates the design of badge templates to suit card printing requirements. The card print feature allows cards to be printed directly from the tagholder window. Multiple card templates, batch label printing and reverse side printing are also supported. Dye-sublimation and standard printers are supported.

Ref. IXP305-0-0-GB-00

IXP200
series

PERFECT SYNERGY
BETWEEN

SIMPLICITY and .... POWER

16 DOOR

ACCESS CONTROL

16 door, 2000 Tagholders and 16 zones

Comprehensive Windows Software Pack SQL open database

Elevator Control for up to 4 elevators with 16 floors each

Fully upgradeable to IXP300, 8000 Tagholders and 256 doors

Building Management features

Graphical User Interface with Floorplan including alarm locating

Integrated card printing

Your choice of ABS plastic or metal readers

Long Range systems for vehicle access

RS485 system bus configuration. Fully distributed offline / online sytem

impro

www impro.net

Perfect synergy between SIMPLICITY and POWER ....

16 DOOR ACCESS CONTROL

IXP200 series

IXP200 is a powerful, fully comprehensive access control system designed for small to medium applications requiring up to 2000 tagholders and 16 locations. The IXP200 system features Impro's RS485 terminal bus configuration allowing system installers a convenient and simple installation process without the use of dip switches. A power input of 10 - 30 V DC is required for the IXP200 controller and each door terminal interface, input and output terminal.

RS485
OR
RS232

RS485 Terminal Bus

ImproX PP

The *ImproX ProxPal (PP)* unit is a small compact terminal designed for use with an IXP200 Host PC access control program. It is used for entering Tag details into the system database (tag registration). The ProxPal terminal also contains an RS232 to RS485 converter to enable communications between the Host PC and the ImproX IC Controller over distances up to 1km.

RS232

RS232

The Impro Graphics Designer Module with 'Drag and Drop'

The ImproX Mullion Antenna Reader is compact and includes a Status LED. The reader's functions are application specific and are designed for exclusive use with an ImproX TT Twin Antenna Terminal in the ImproX IXP200, 300 and 400 Access Control Range.

ImproX TT

ImproX MMA

ImproX KHA

ImproX Controller (IC) controls up to 16 doors with full anti-passback (32 readers), plus 5 x 16 channel INput and OUTput terminals used for Elevator control and Building Management It has a built-in enrolment reader.

Twin Antenna Terminal

The *ImproX Twin Antenna Terminal (TT)* is designed to provide access control to one door in full anti-pass back mode, or two doors in relaxed anti-passback mode. The ImproX TT utilizes two Antenna Readers, two relays and four digital inputs to provide full control of any access application. The ImproX TT is able to interface into IXP200, 300 or 400 systems via the RS485 terminal bus connection.

ImproX O16

Flood Lights

Air-conditioning

Irrigation

Output Terminals

The ImproX O16 Unit is an Output Terminal, providing sixteen relays used for elevator control and building management.

IXP200 has the option of controlling up to 16 floors or locations **16**

ImproX I16

Low Pool Level

Light Sensors

Panic Button

Input Terminal

The ImproX I16 is an Input Terminal, providing sixteen input sensors for use in building management.

OTHER TERMINAL OPTIONS THAT CAN BE USED IN THE IXP200 SYSTEM

ImproX Portal Terminal (PT) is designed for a wide variety of uses. It not only supports the standard range of ImproX Remote Readers which include the ImproX Infrared (IR) and Radio Frequency (RF) 4-channel receiver, but can also be used to interface 3rd party devices such as Barcode, Magstripe and Wiegand readers. This terminal also interfaces with certain Biometric Readers e.g. Fingerprint and Hand-scanners, etc. In addition the ImproX PT has a built in proximity readhead allowing it to be used as a reader on the secure side of the door.

The *ImproX Time and Attendance (TA)* terminal is a general purpose Time and Attendance module. The ImproX TA includes an LCD Display and a four button keypad allowing 20 key combinations. The Terminal is able to interface with all the standard ImproX Remote Readers which include the ImproX Infrared (IR) and Radio Frequency (RF) 4-channel receiver in addition, the TA itself has the facility to read various Tags.

The *ImproX Quad Transmitter (QT)* is a 4-channel handheld UHF as well as a passive transponder tag that is designed to operate in conjunction with the *ImproX RF UHF Receiver* and with the ImproX range of access control readers. Each of the four pushbuttons is used to transmit a different channel identification code, together with the Transmitter's unique ID, to the Receiver.

The *ImproX Infrared Vehicle Transmitter (VT)* is intended for use with the *ImproX Infrared Receiver (IR)* in vehicle access control applications, where detection at medium range is required (approximately 6 m). Infrared communication is relatively free from interference from vehicle electric / electronic and industrial noise. Each transmission of the VT includes the unique tag code allowing all infrared transactions to be time and date stamped and assigned to a tagholder.

The *ImproX Extended Range Reader (ER)* is available, in a metal housing with one or two external antennas. The ImproX ER is ideally suited for use as an access control terminal where extended read range is necessary. The unit is designed to be used as an access point. The read head (antenna) is intended for indoor or outdoor use.

ImproX KA

ImproX KMA

The ImproX Keypad Antenna Readers. 3 options are available. Some indoor and some for outdoor use. The Keypad Antenna Readers have a 12-button alphanumeric keypad; this can be used for PIN-Code or Reason Code entry. The electronic components are potted and one unit is a die-cast housing. This enhances its resistance to vandalism or tampering. There are also ABS plastic Keypad Antenna Readers. All the keypad readers include a single tone Buzzer and a Status LED.

ImproX TT

ImproX MA

ImproX MHA

The *ImproX* Non-Keypad *Antenna Readers* are compact and include a single tone Buzzer and a Status LED. The electronic components are potted and one in a die-cast housing is available. This enhances its resistance to vandalism or tampering.

ImproX O16

ELEVATOR 1

Floor 3

Floor 2

Floor 1

Elevator Control. IXP 200 can control up to 4 elevators having 16 floors each, with ImproX O16 terminals.