



impro technologies®
ACCESS CONTROL

we access the
WORLD.



convenience at my **FINGERTIPS.**

everything you need to secure your premises at your
FINGERTIPS.

Up To **8** Anti-Passback Doors
Up To **1 000** Tagholders
Up To **5 000** Buffered Transactions



IXP20 NET & IXP20 TOUCH

convenience at my FINGERTIPS.

Be it the home or office, the IXP20 Access Control system with its modern and sleek design, will compliment the aesthetic appeal of any building while offering class leading security and control. The IXP20 provides Impro Technologies' tried and tested Access Control proficiency, taking you into the future with complete peace of mind.

With the IXP20 system, access control is no longer reserved for the industrial or enterprise market. Everything you need to secure your premises is at your fingertips thanks to the simplicity of the touch screen and web application. With two controller options to choose from and reader options to fulfil all applications the IXP20 offers a solution that will meet both your requirements and your budget.



SYSTEM FEATURES.

IXP20 TOUCH

- Fully embedded solution No PC or software is required
- Full colour touch screen for complete control
- Password protected and encrypted communications
- Option to connect to the Controller using a standard browser
- Quick to install, simple to configure
- Advanced access control features, including reporting, as standard

IXP20 NET

- Non- touch screen cost effective
- Fully embedded solution Simply connect to the Controller using a standard browser
- Password protected and encrypted communications
- Quick to install, simple to configure
- Advanced access control features, including reporting, as standard

COMBINED FEATURES

- Up to 1 000 users, each with 3 tags
- Storage of all tag holder details
- Up to 10 Access groups
- Web Reporting
- Door Mode Patterns
- Programmable Holidays
- Tag Programming
- Time Limited Access
- Tag Suspension Facilities
- Access Control for Vehicles

- Browser based User Interface
- Auto Hardware Configuration
- TFT Touch Screen
- TCP/IP Controllers

WHY THE IXP20 IS THE SYSTEM FOR YOU

The IXP20 simplistic design and configuration wizard provides a clean and easy to use visual output for the user, making Access Control setup uncomplicated.

Everything you need to secure and manage your premises is at your fingertips.

APPLICATIONS

The IXP20 will bring control to the digital age. With connectivity over the internet or on a local network real-time control has never been easier.

- Small Commercial
- Upmarket Residential
- Boutique Hotel
- Bed & Breakfast
- Remote Site Management
- Holiday Rental Property
- Production Management

FOR CONTROL OF

The flexibility offered through the variety of compatible reader options and features allow the IXP20 to be used in a large number of applications.

- Staff
- Contractors
- Visitors
- Vehicles
- Time clocking using fingerprint

USER FRIENDLY INTERFACE

The IXP20's user interface has been designed around ease of use to ensure maximum benefit from the system. The touch screen and web based interface have been designed in parallel to ensure identical flow and system interaction.

The controls designed into the system are configured in such a way that they only impact on the access rights as and when they are needed.

As your understanding and need grows so the additional features can be implemented. The IXP20 can be as basic or as advanced as your needs or application dictates.

Commissioning, from power up to activating doors and tag holders, is done in minutes through the configuration and enrolment wizard.

QUALITY CONSTRUCTION

All Impro hardware is manufactured to ISO9001:2008 standards using the latest in automated surface mount technology.

The Impro brand has become synonymous with high quality hardware suited to all environments and the IXP20 brings this to the market as a compact, cost effective solution.



SYSTEM SPECIFICATIONS.

Impro's class leading IXP20 access control system offers the best price to feature ratio in its market. This cost effective solution is packed with advanced system features and specifications that have become synonymous with the Impro name.

OVERVIEW OF THE SYSTEM SPECIFICATIONS:

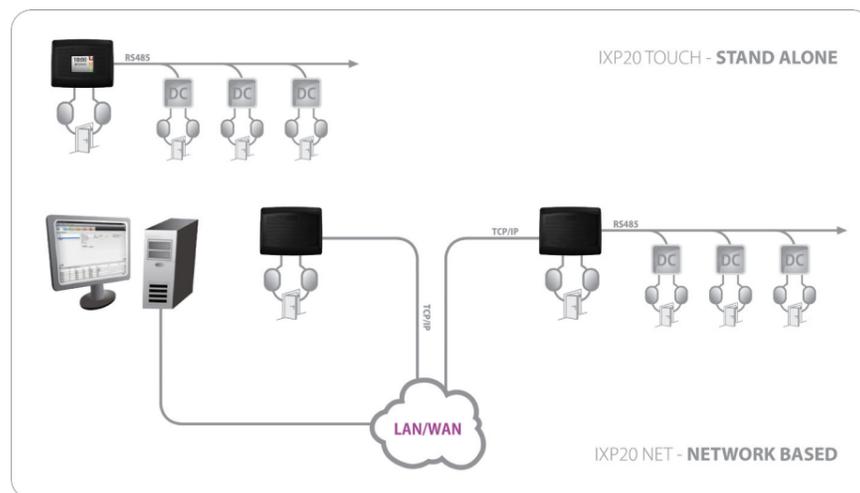
- 1 000 tag holders, 3 tags per person
- Up to 5 000 buffered transactions
- Up to APB 8 doors per site
- Up to 10 Tag holder Access Groups

EASE OF INSTALLATION

The IXP20 is a completely embedded system avoiding the need to install software or, in the case of the touch screen, use a PC at all. Simply add power to the hardware and the IXP20 Controller will automatically identify readers and additional Door Controllers connected to it.

Allocate readers to the predefined doors in the system and configuration is complete. The web based interface can be accessed by connecting the IXP20 Controller directly to a DHCP enabled PC using a standard network cable. No installation of drivers or software is required. System simplicity has been redefined.

SYSTEM ARCHITECTURE.



READER OPTIONS

The IXP20 offers support for a wide variety of readers making it suitable for all applications.

From Impro's cost effective Antenna range of readers to support for any biometric reader with a Wiegand output the IXP20 offers class leading control options.



REPORTS

The IXP20 offers standards reports that turn your access control system into a business tool.

THE STANDARD REPORTS ARE AS FOLLOWS:

- Hours Worked – calculates hours worked per Tagholder based on In & Out transactions of an APB Zone
- Access – lists who accessed an area & type of event occurred (denied entry/allowed) with their tag code
- Status – lists the doors and controllers and events that occur on site (powered up/forced entry etc)
- Audit – listing of administrative transactions that occurred (adding or deleting of tags etc)

NOTE:

All reports can be exported as a CSV file.

TRUE CONTROL

At the base level the IXP20 fulfils the requirement most often requested, to control access through a door. As standard in the system however is a range of advanced control options that enable the system to become a true asset to any application. These additional features have been designed in line with the user friendliness inherent in the system and are simple to implement.

- These include;
- Up to 10 access groups

defining which doors can be access on what days of the week.

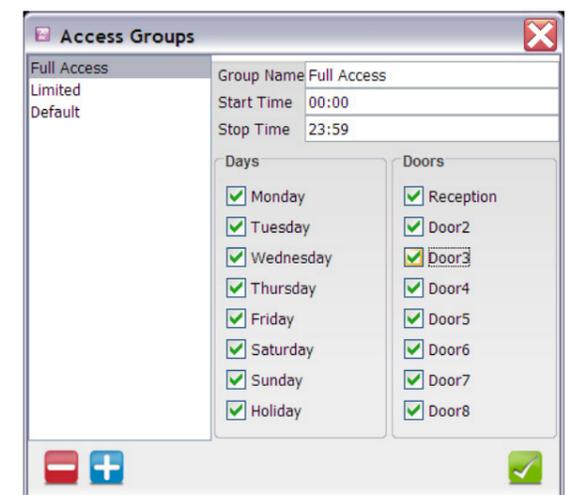
- Door Mode Patterns defining what credentials the reader should look for during what times of the day. This allows the door control to be more or less secure during configured time periods.
- Support for holidays. Access rights can be changed during programmed holidays.
- Configuration of an Anti-Passback Zone.
- Up to 3 different tag types for tag holder allowing restricted access to vehicle gates, biometric control doors and proximity and PIN controlled readers.
- Reason Codes on keypad readers which added benefit to the reports by showing why an employee entered or exited a location.

ADVANCED FUNCTIONALITY

The IXP20 has benefitted from the pedigree of the larger systems available in the Impro range. Features usually limited to larger systems have been included in its already impressive feature set as standard.

These include;

- Multi-system control from a single laptop using the CSV back-up file.
- Biometric integration with any stand-alone reader offering a Wiegand output.
- Integration options with 3rd party systems through the UDP broadcast port



simplistic
SCALABILITY.
a system that grows with your
NEEDS.

Up To **256** Anti-Passback Doors
Up To **1 000** Independent Sites
Up To **10 000** Tags Per Site
Up To **100 000** Buffered Transactions Per Controller



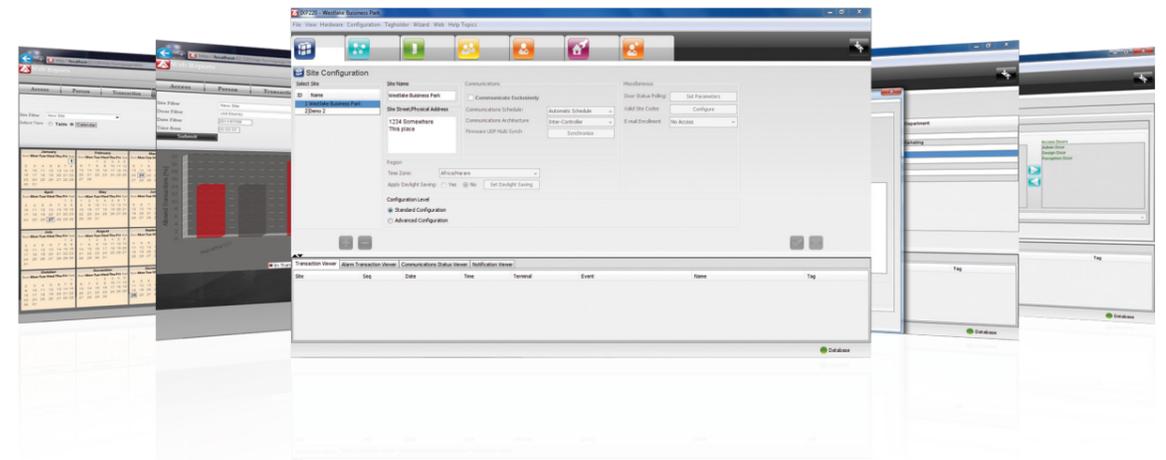
scalable. flexible. **SECURE.**

The IXP220 offers seamless system scalability, allowing user to expand their system effortlessly, using the same software and hardware suite throughout. The flexibility of the hardware configuration options and the simplicity of the software configuration using the standard wizards makes the IXP220 the obvious choice for all your access control applications.

From one to 256 anti-passback doors and up to 1 000 independent sites the IXP220 has the size and capability to meet your requirements. Its ability is complemented by user friendly software and powerful features that help you easily build it into a business tool that offers great return on investment.

With 3 layers of redundancy and a wide variety of additional modules and integration options the IXP220 offers a class leading security platform that will grow as your security and business requirements do.

The standard web based reporting and the system's ability to send relevant, real-time, useful information using e-mail, SMS and Twitter make the IXP220 the obvious choice for your access control needs.



SYSTEM FEATURES.

STANDARD FEATURES WITH IXP220 BASE APPLICATION

- Door Mode Patterns
- Time Triggered Actions
- Event Triggered Actions
- Access Groups
- Programmable Holidays
- Tag Programming
- Duress Codes
- Multiple Tags per Tagholder
- Time Limited Access
- Tag Suspension Facilities
- Anti-passback Control
- SQL Compatible Open Database
- User Customised Operator Security Facilities
- Dual Tag Entry for High Security
- Access Control for Vehicles
- Web Reports
- Browser Based User Interface
- Auto Hardware Configuration
- TCP/IP Controllers
- GPRS Communication
- Tracker

OPTIONAL FEATURES

- Rich Client
- Web Visitor Enrolment
- Biometric Integration
- Multi-Site
- Card Designer
- Lift/ Elevator Control
- Building Management
- Reception Door Control
- Notifications
- Third Party Intrusion Alarm Integration
- Third Party Fire or Emergency Integration

WHY THE IXP220 IS THE SYSTEM FOR YOU

The simplistic and scalable design of the IXP220 is what makes it a market leader.

The IXP220 is a system that expands with your unique requirements, providing a clean and easy to use visual output making Access Control setup uncomplicated.

Everything you need to secure and manage your premises, giving you complete peace of mind.

APPLICATIONS

The flexibility and ability of the IXP220 makes the application options endless. The scalability of the IXP220 allows unparalleled cost effectiveness with unlimited growth potential.

- Medium to large Commercial
- Multi-site applications
- Flats and apartments
- Gated communities
- Office parks
- Time and Attendance
- Boutique Hotel
- Bed & Breakfast
- Centralised Remote Site Management
- Production Management

FOR CONTROL OF

The flexibility offered through the hardware architecture, variety of compatible reader options and features allow the IXP220 to be used in a large number of applications.

These include;

- Staff
- Contractors
- Visitors

- Vehicles
- Time clocking using fingerprint

ABSOLUTE CONTROL

The IXP220 offers unrivalled control of your site. Be it through the comprehensive visitor and contractor management feature, the Notifications module or the standard web based reporting the IXP220 facilitates real-time system interaction and site feedback using e-mail, SMS and twitter.

The continuous communication between the system and its users ensure that relevant, real-time useful information sent adds to any organisations business processes and offers management the tools to make informed decisions.

The IXP220 continuously monitors the health of the installation and offers real-time feedback on possible problem areas and allows pre-emptive support geared towards ensuring 100% uptime of the system.

QUALITY CONSTRUCTION

All Impro hardware is manufactured to ISO9001:2008 standards using the latest in automated surface mount technology. The Impro brand has become synonymous with high quality hardware suited to all environments. All Impro hardware used in the IXP220 system comes standard with a 3 year warranty.





SYSTEM SPECIFICATIONS.

Impro's IXP220 access control system is without a doubt an industry leader in its class, packed with advanced system features and specifications. The IXP220 undoubtedly bridges the gap in the market between entry level and enterprise Access Control solutions.

OVERVIEW OF THE SYSTEM SPECIFICATIONS:

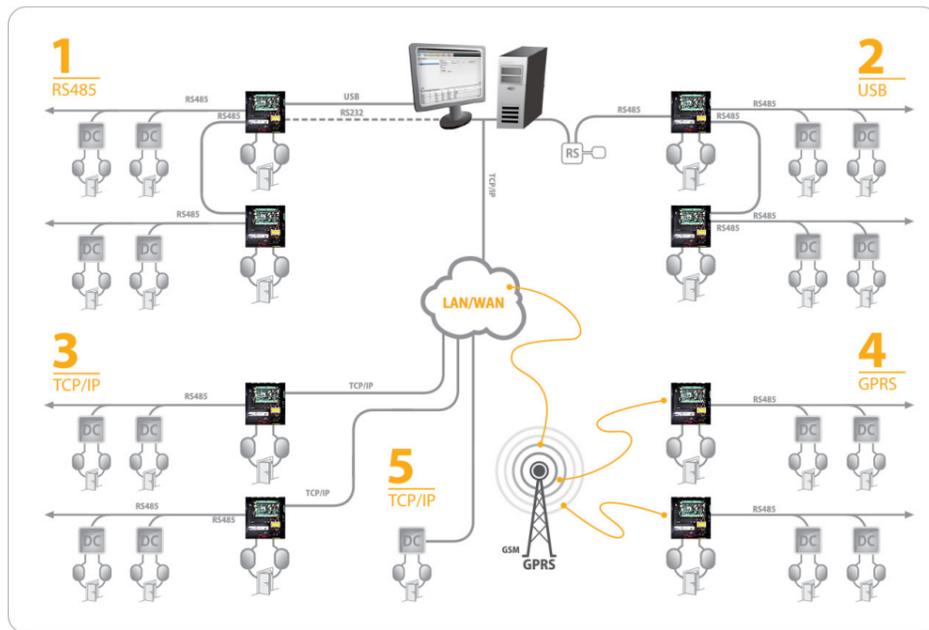
- 10 000 Tagholders
- 100 000 Buffer Transactions per System Controller
- 1 000 Sites per System
- 64 Sites per System Controller
- 32 Doors per System Controller
- 256 Anti-passback doors per Site
- 300 Time Triggered Actions
- 4 Tags per Person
- 64 Tagholder Access Groups
- 8 Elevator / Lifts
- Elevator / Lifts – Floors 32

- SYSTEM CONTROLLERS
- DOOR CONTROLLERS
- DOOR READERS
- TAG REGISTRATION READER

SYSTEM ARCHITECTURE.

One of the major strengths of the IXP220 is the flexible system architecture that is able to fit the requirements of any site.

Supporting multiple communication options simultaneously on a single site the configuration options are endless.



WEB REPORTS.

The IXP220 software lets you compile Reports on functions and transactions within the IXP220 System giving you the ability to track, monitor and observe activities on site. These Web Reports enable you to compile Reports for one or more Sites over LAN or WAN networks.

Reports can be compiled for single or multiple site management:

- Access Patterns
- Person
- Transaction
- Configuration
- Tagholder Access Configuration
- Charts

INTUITIVE SOFTWARE.

In a drive to offer a powerful platform that is exceptionally capable yet simple to configure the IXP220 comes standard with Impro's Micro-Manager. This application runs in the backend of the software and thinks so you don't have to. The Micro-Manager will offer suggestions and step by step instructions on how to configure the software and alerts the user when mistakes have been made. Coupled with Contextual Help, configuration wizards and the automatic support diagnostic features in the system the intuitive IXP220 software ensures successful commissioning every time.

3rd PARTY INTEGRATION.

The various 3rd party integration modules that the IXP220 offers greatly increase the access control capabilities of the IXP220 system. It is through Impro's expertise that allows them to seamlessly integrate with third party hardware and software into their Access Control Systems. This gives the User a powerful system and the flexibility of producing a complete solution to managing an efficient security environment.

INTEGRATION OPTIONS:

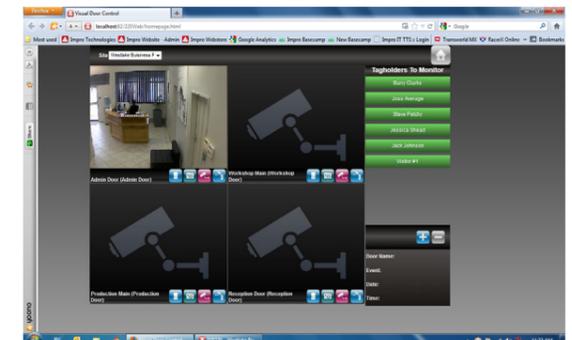
- Intrusion Alarms
- Biometrics
- Fire alarm
- IP Camera
- Time & Attendance
- UDP Broadcast

UNLOCK LICENSES.

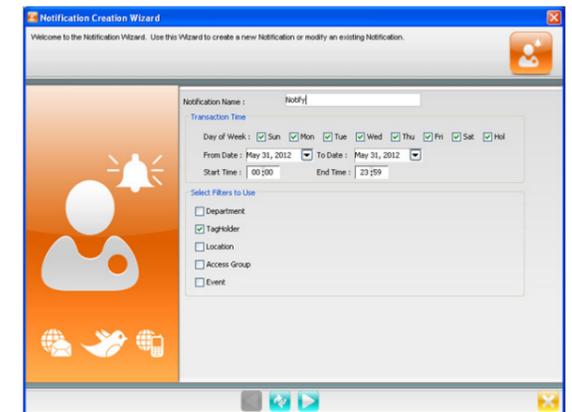
Expanding the IXP220 is as simple as upgrading the systems module, this flexibility allows you to tailor your site to meet your precise requirements, offering a platform to build a comprehensive security solution on. Without the initial and unnecessary financial implications, as your site and requirements evolve so does your access control system.

INCLUDES ADVANCED ADDITIONAL MODULES:

- Building Management
- Biometrics Integration
- Multi-Site
- Lift/ Elevator Control
- Web Visitor Enrolment
- Rich Client
- Notifications
- Reception Door Control
- Card Design



Visual Door Control



Notifications



Biometric Enrolment

unrivaled **SUPERVISION.** optimized **PROFICIENCY.**

control through flexibility, power through design, integrated access
CONTROL.

Up To **256** Sites Per System
Up To **3 000** Doors Per Site
Up To **300 000** Tagholders Per Site
Up To **1 000 000** Stored Transactions Per System Controller



improved **CONTROL.** unlimited integration **OPTIONS.**

The IXP400i has a global track record that speaks for itself. Securing prestigious sites in all major market sectors has ensured that this Enterprise solution has evolved over the last 10 years into the industry leading integration platform that it is today. From small commercial to large industrial applications the IXP400i has the features, flexibility and ability to offer uncompromised security.

From one to 3 000 doors and 300 000 tag holders per site and 256 sites per system the IXP400i has unrivalled capacity. Built on a Linux based, embedded hardware platform the IXP400i boasts an impressive selection of hardware options using state of the art technology perfectly designed for your application. The combination of the flexible hardware and software options allows the system to be configured to suite your site as opposed to your site needing to

change to suite the system. Return on investment is not a term often used with the purchase of a security system however the IXP400i offers process management and business tools that ensure that it

becomes an integral part of your streamlined operation. Control through flexibility, power through design.



SYSTEM FEATURES.

STANDARD FEATURES WITH IXP400i BASE APPLICATION

- Graphical User Interface for complete site control
- Full off-line functionality with multi-layer redundancy
- User Customised Operator Security
- Seamless Biometric Integration
- Seamless CCTV Integration
- Building management
- Random search
- Dual Tag Entry for High Security
- Access Control for Vehicles
- Card Printing Module
- Elevator Control
- Tracker
- 3rd Intrusion Alarm Integration
- 3rd Fire or Emergency Integration
- Web based Employee and Visitor enrolment
- Web based reports
- Door Mode Patterns
- Time Triggered Actions
- Event Triggered Actions
- Access Groups
- Zone routing
- Zone counting
- Configurable emergency unlock sequence
- Programmable Holidays
- Tag Programming
- Duress Codes
- Multiple Tags per Tagholder
- Time Limited Access
- Tag Suspension Facilities
- Anti-passback Control
- SQL Compatible Open Database
- Auto Hardware Configuration
- TCP/IP Controllers

OPTIONAL FEATURES

- SQL Server (upgrade for engine)
- SQL Server (upgrade for access)
- CCTV Integration
- Biometrics Integration
- Intrusion Alarm Integration
- SMS Integration
- Virtual I/O

WHY THE IXP400i IS THE SYSTEM FOR YOU

The IXP400i has built a name in the market as the solution system. Its customisable event and action driven foundation and extensive feature set allows the system to be setup to solve the most complex site requirements.

In addition the list of integration options available in the system and factory developed integrations help create this powerful platform that allows the seamless linking of 3rd party systems and devices to create a single logon approach to security.

The IXP400i is a class-leading solution that will meet your budgetary and site requirements while offering an excellent return on investment.

APPLICATIONS

The IXP400i has the capacity and ability to control sites of all sizes and requirements. Its industry leading flexibility and integration options allow it to be configured to any custom requirement. Applications include

- Petrochemical
- University complexes
- Healthcare
- Large Industrial
- Multi-site applications
- Gated communities
- Time and Attendance
- Centralised Remote Site Management
- Production Management

FOR CONTROL OF

The flexibility offered through the hardware architecture, variety of compatible reader options and features allow the IXP220 to be used in a large number of applications.

These include;

- Staff
- Contractors
- Visitors
- Vehicles
- Time clocking using fingerprint

INTEGRATION PLATFORM

The IXP400i has been designed to be the base for an integrated solution. The IXP400i embraces the concept of a single logon approach to security management.

Regardless of the complimentary system that is added to the IXP400i backbone the software is able to be configured to offer a seamless interconnection to the 3rd party solution.

This interconnectivity offers a

level of control that will elevate your security solution to an all-encompassing management environment.

QUALITY CONSTRUCTION

All Impro hardware is manufactured to ISO9001:2008 standards using the latest in automated surface mount technology. The Impro brand has become synonymous with high quality hardware suited to all environments.

All Impro hardware used in the IXP400i system comes standard with a 3 year warranty with the option to increase it to 5 years through Impro's Client Services program.



SYSTEM SPECIFICATIONS.

The IXP400i offers unrivalled offline capacity and system specifications.

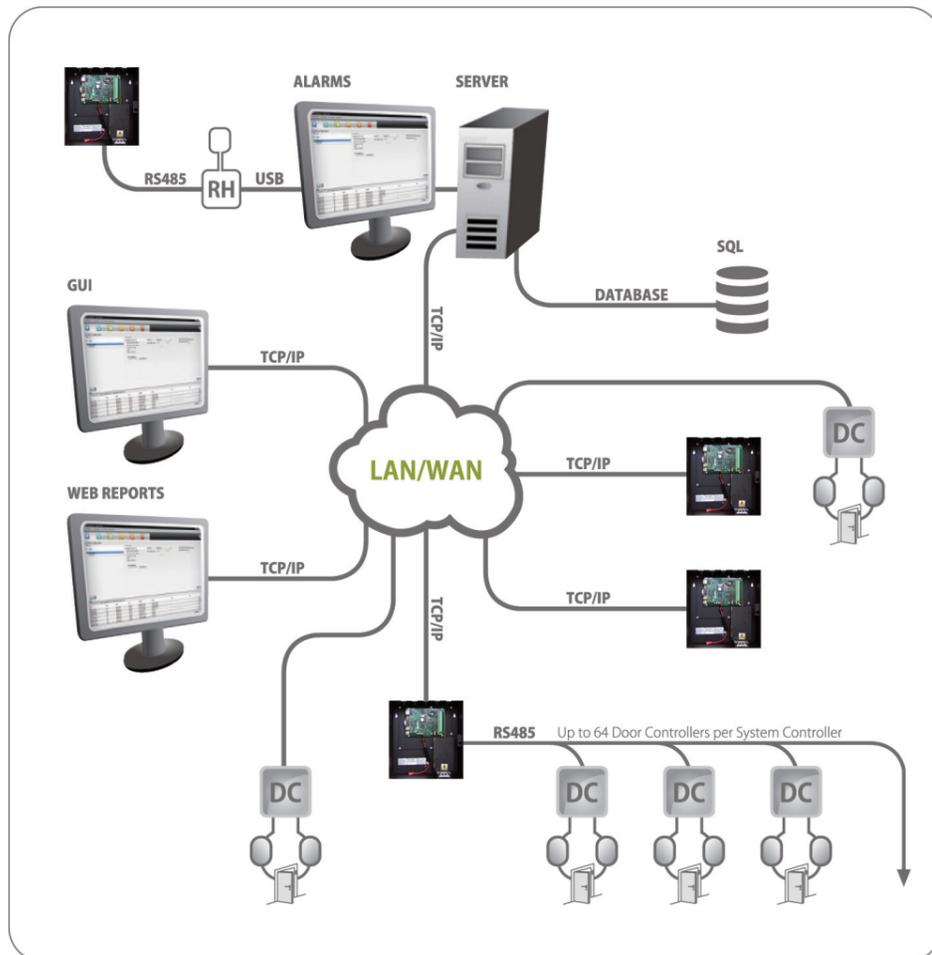
OVERVIEW OF THE SYSTEM SPECIFICATIONS:

- 300 000 Tagholders
- 100 000 Buffer Transactions per System Controller
- 1 000 Sites per System
- 64 System Controllers per Site
- 32 Doors per System Controller
- 3 000 anti-pass back doors per Site
- 300 Time Triggered Actions
- 10 Tags per Person
- 64 Tagholder Access Groups
- 8 Elevator / Lifts
- 32 Elevator / Lifts – Floors

SYSTEM ARCHITECTURE.

One of the major strengths of the IXP400i is the flexible system architecture that is able to fit the requirements of any site.

Supporting multiple communication options simultaneously on a single site the configuration options are endless.



WEB REPORTS.

The IXP400i standard web based reporting package lets you compile Reports on functions and transactions within the IXP400i System giving you the ability to track, monitor and observe activities on site.

The web reports, enables you to compile reports for one or more Sites over LAN or WAN networks. These reports can be compiled for single or multiple site management.

- Access Patterns
- Person
- Transaction
- Configuration
- Tagholder Access Configuration
- Charts
- Biometric template score

OPTIONAL MODULES.

The IXP400i offers additional features and functionalities to enhance the control of your site. These optional extras are factory developed seamless integrations that follow the single logon approach to security management. These options can be added as and when they are required.

OPTIONAL MODULES:

- Biometric integration
- CCTV Integration
- Virtual I/O
- Intrusion Alarm integration
- SMS notifications
- SQL Server database support
- Card Design



GUI & CCTV



Operator Security



Biometric Enrolment



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