Fingertec’s Ingress is an integrated access control management application that runs on the familiar MS Windows operating environment. The software is a complete solution for centralizing, managing, and monitoring door activity in Fingertec access control devices. Bundled together with the Ingress Controller, Ingress is an advanced, easy to use, and IT-friendly software that provides elaborate access control features such as real-time monitoring, database administration and report management, all in a single unified system. Ideally suited for self-managed organizations of below 100-door environment, Ingress is also capable of seamlessly integrating its access control functions with alarm monitoring and other intrusion detection devices.

Ingress supports all standalone Fingertec access control models that use card, fingerprint and face recognition verification, and multiple terminals can be centralized in the Ingress Network Control Panel for multiple-door monitoring.

**KEY FEATURES**

### REAL-TIME MONITORING

- **Monitoring**
  - Real-time access control events, fire alarm and transaction log monitoring.
- **Visual Map**
  - Intuitive graphical maps are completely customizable to let you monitor activities.
- **Remote Control**
  - Control access activities directly from the monitoring station.

### ACCESS CONTROL

- **Anti-Passback**
  - A security mechanism preventing an access card or similar device from being used to enter an area a second time without first leaving it.
- **Fire Alarm Linkage**
  - Allows the automatic unlocking of emergency fire doors in the event of a fire.
- **Interlock**
  - The interlock function enables extra security by ensuring a sequence where one door can only be released when other doors are closed.

### ADDITIONAL FEATURES

- **Quick Setup**
  - Built-in Quick Setup Wizard for easy initial startup.
- **Batch Create User**
  - Provides method to import large amount of users from Excel sheets or pre-created card users.
- **Event Priority**
  - Configurable event priority, recipient email and sound alert.

### ADVANCED REPORTING

- **33 Comprehensive Reports**
  - Provides 33 comprehensive combinations of data listing, configuration, activity, audit trail, incident, time and attendance, and event reports.
- **Watermark**
  - User definable reports, with customizable watermark for background image.
- **Save Reports into Various Formats**
  - Print and save reports into PDF, HTML, MHT, RTF, XLS, XLSX, CSV, TXT and JPEG.

**Centralized Management**

Ingress is a server-client based software that supports surveillance from multiple PCs concurrently, while containing useful access monitoring features such as multi-level users, and user group privileges.

**Graphical Floor Maps**

Ingress lets you insert graphical floor maps with configurable animated icons for easy and instant tracking of door activity.

**Real-Time Alarm and Event Monitoring**

Access control surveillance has never been easier with the real-time alarm and event monitoring features available in Ingress. Prioritize events and alert to optimize your security actions accordingly.

**IP Camera Software Integration**

Integrated with IP camera software from Milestone’s XProtect series and cloud storage solutions from EpiCamera. This increases security by allowing visual observations of monitored areas as well as linking access control events to captured video clips or pictures.

**Database Backup and Restore**

Data centralized in Ingress can be kept secure with the fully-configurable automated database backup and restore facility.

**Comprehensive Audit Trails Report**

Ingress keeps data secure and accessible by providing in-depth activity logs and audit trails detailing the user activity and operation compliance with its timestamp.

**Offline Alarm & Door Event**

This alarm & door event information will be stored in the terminal since the server is down or the connection to the server is lost. These events will be retrieved by Ingress when the server is back up, preventing any loss of event logs.

**Integrate Time Attendance Features**

Useful time attendance features such as weekly schedules, group & personal duty roster and holiday settings are available, complete with 18 important attendance reports, such as daily activity reports and full-time activity report.

**Configure Alerts & Notifications**

Customize email, sound alerts or push notifications and get notified when certain door events are triggered. Push notifications are supported by both iOS and Android devices.

**Data Analysis & Reporting**

Create customized reports to better your security and business.

**Easy Data Export and Integration**

Supports export and import of user data, export of transaction logs and attendance data and the export function comes with template configuration for easy 3rd party software integration.

**Offline Alarm & Door Event**

The alarm & door event information will be stored in the terminal since the server is down or the connection to the server is lost. These events will be retrieved by Ingress when the server is back up, preventing any loss of event logs.

**Live System Control**

Ingress supports remote unlocking of doors, remote alarm releases and customized door unlocking schedules.
FEATURES

**Quick Setup Wizard** to facilitate simple configuration during initial startup

**Automatically defines all necessary system components**

**Innovative features reduce time required to configure the system and eliminate programming errors**

**Enhanced Software Security Features**

- Optional fingerprint login for system administrators
- Screen lock function; automatic logout after timeout period
- Full backup and export of system data
- Detailed history records and audit trail functions for tracking past configuration changes

**Access Control Reports**

- 15 types of listing & event reports
- Comprehensive event listing
- Quick print and email action
- Supports digital watermark imprint
- Reports can be exported into 10 formats e.g. xls, txt, csv

**Easy Time Scheduling**

- Provides up to 3 time zone settings per day
- Allows time-based access permission to be defined per weekday
- Provides holiday configuration & holiday time zone settings

**User-Friendly Interface**

- Change views, reorder columns, and modify / filter data for groups of users from a single screen
- Different user interface themes available for preference
- Simple-to-understand organization with Windows "true structure" design, complete with ribbon-style menu layouts

**Full Duplex Synchronization**

- Fully synchronized database between device and database
- Easily synchronize data to device after changes are made
- Selectable single record or multiple records to be synchronized

**Event Priority & Alerts**

- Organize alarm alerts and set alarm priorities to optimize response times
- Configure event priorities from a total of 62 event types
- Offline device events, alarm events & terminal connection events
- Automatically sends email and notifications to defined recipients when an event is detected in the system
- Customizable sound alerts for every priority
- PIN/ID notifications are available for iOS and Android device users

**Effortless Device Replacement**

- Backup device and door settings or configuration
- Easy transfer settings to new replacement device

**Efficient Management of Users**

- Supports 10-levels of departments
- Truck users card management records and history
- Detailed permissions and user rights for the access, display and control of subsystems
- Integration with OFS-x and OFS-y for fingerprint registration station

**Powerful Access Control Settings**

- Interlocking
- Anti-passback
- Multi-card operation
- Fire alarm locking
- Multiple verification settings
- Door always-open schedule

**Integrated Monitoring**

- Real-time alarm or event logs to ensure all events are completely documented (including messages and controls) for the entire system
- Remotely control door access, including unlocking doors and dearming alarms
- Display up to a maximum of 9 floor maps for real-time monitoring
- Graphic map display with animated icons for instant visibility of activity
- Multiple workstation-monitoring capabilities

**Time Attendance Functions**

- Weekly schedule available with 3 pairs of IN/OUT columns for attendance monitoring
- Supports group or personal duty roster setup
- Supports leave and holiday management
- Generate attendance sheets, and instantly add, edit, or delete attendance records
- Provides 18 types of commonly used time attendance reports, eg daily attendance listing, tardiness report, and on leave listing.
- Terminal data audit list enables raw data checking and export
- Simple export for attendance data using the configurable export template format

**Additional Features**

- Supports multiple languages
- Add users by batch
- Automatic search of devices over the network
- Multiple views for event monitoring
- Intelligent import users from 3rd party software
- Easy data grouping or filtering for viewing purposes

**User Interface Themes Available**

- Different user interface themes available for preference
- Simple-to-understand organization with Windows "true structure" design, complete with ribbon-style menu layouts

**Hardware Requirement**

**Server**
- Processor: Intel® Core® i7 2.9GHz or higher
- Memory: 3GB of RAM or higher
- Hard drive: 80GB
- Resolution: 1280 x 768 or higher

**Client**
- Processor: Intel® Core® i7 2.9GHz or higher
- Memory: 2GB of RAM or higher
- Hard drive: 50GB
- Resolution: 1920 x 768 or higher

**Technical Specifications of Ingressus Controller**

**Basic**
- RAM: 8GB DDR3 1600MHz
- Processor: Intel® Core® i5-2450M
- Hard drive: 50GB
- Processor: Intel® Core® i3-3210M
- Processor: Intel® Core® i7 2.9GHz or higher
- Memory: 3GB of RAM or higher
- Hard drive: 80GB
- Resolution: 1280 x 768 or higher

**Communications**
- Communication with server: TCP/IP, 5000
- Communication with terminals:
  - 2 x 36-bit Wiegand input & output (max 16 terminals + 85495 inputs + 85495 outputs)
  - 8 x 36-bit Wiegand input & output (max 16 terminals + 85495 inputs + 85495 outputs)
  - 4 x 36-bit Wiegand input & output (max 16 terminals + 85495 inputs + 85495 outputs)

**Input**
- Access control devices
- Door sensor
- PIR

**Types of Access Input supported**
- Card reader, magnetic strips, proximity cards, biometric readers

**Output**
- Outdoor Siren (i.e. 12VDC 5000Watt Siren)
- LED linked with a battery

**Access Control Features**
- Door access open / close, Door open time-out alarm, Pin code access
- PIN code access

**Security Features**
- Door force open alarm, Door open time-out alarm, cyan-color contact alarm
- User login and alarm message (51 types)

**Software**
- Background: Bundled

**Surveillance Software Features**

- Integrated with IPC Video
- Time attendance functions
- Multiple views for event monitoring
- Automatic search of devices over the network
- Supports multiple languages
- Add users by batch
- Automatic search of devices over the network
- Multiple views for event monitoring
- Intelligent import users from 3rd party software
- Easy data grouping or filtering for viewing purposes

**Hardware Requirement**

**Server**
- Processor: Intel® Core® i7 2.9GHz or higher
- Memory: 3GB of RAM or higher
- Hard drive: 80GB
- Resolution: 1280 x 768 or higher

**Client**
- Processor: Intel® Core® i7 2.9GHz or higher
- Memory: 2GB of RAM or higher
- Hard drive: 50GB
- Resolution: 1920 x 768 or higher

**Technical Specifications of Ingressus Controller**

**Basic**
- RAM: 8GB DDR3 1600MHz
- Processor: Intel® Core® i5-2450M
- Hard drive: 50GB
- Processor: Intel® Core® i3-3210M
- Processor: Intel® Core® i7 2.9GHz or higher
- Memory: 3GB of RAM or higher
- Hard drive: 80GB
- Resolution: 1280 x 768 or higher

**Communications**
- Communication with server: TCP/IP, 5000
- Communication with terminals:
  - 2 x 36-bit Wiegand input & output (max 16 terminals + 85495 inputs + 85495 outputs)
  - 8 x 36-bit Wiegand input & output (max 16 terminals + 85495 inputs + 85495 outputs)
  - 4 x 36-bit Wiegand input & output (max 16 terminals + 85495 inputs + 85495 outputs)

**Input**
- Access control devices
- Door sensor
- PIR

**Types of Access Input supported**
- Card reader, magnetic strips, proximity cards, biometric readers

**Output**
- Outdoor Siren (i.e. 12VDC 5000Watt Siren)
- LED linked with a battery

**Access Control Features**
- Door access open / close, Door open time-out alarm, cyan-color contact alarm
- PIN code access

**Security Features**
- Door force open alarm, Door open time-out alarm, cyan-color contact alarm
- User login and alarm message (51 types)

**Software**
- Background: Bundled

**Surveillance Software Features**

- Integrated with IPC Video
- Time attendance functions
- Multiple views for event monitoring
- Automatic search of devices over the network
- Supports multiple languages
- Add users by batch
- Automatic search of devices over the network
- Multiple views for event monitoring
- Intelligent import users from 3rd party software
- Easy data grouping or filtering for viewing purposes

**Hardware Requirement**

**Server**
- Processor: Intel® Core® i7 2.9GHz or higher
- Memory: 3GB of RAM or higher
- Hard drive: 80GB
- Resolution: 1280 x 768 or higher

**Client**
- Processor: Intel® Core® i7 2.9GHz or higher
- Memory: 2GB of RAM or higher
- Hard drive: 50GB
- Resolution: 1920 x 768 or higher

**Technical Specifications of Ingressus Controller**

**Basic**
- RAM: 8GB DDR3 1600MHz
- Processor: Intel® Core® i5-2450M
- Hard drive: 50GB
- Processor: Intel® Core® i3-3210M
- Processor: Intel® Core® i7 2.9GHz or higher
- Memory: 3GB of RAM or higher
- Hard drive: 80GB
- Resolution: 1280 x 768 or higher

**Communications**
- Communication with server: TCP/IP, 5000
- Communication with terminals:
  - 2 x 36-bit Wiegand input & output (max 16 terminals + 85495 inputs + 85495 outputs)
  - 8 x 36-bit Wiegand input & output (max 16 terminals + 85495 inputs + 85495 outputs)
  - 4 x 36-bit Wiegand input & output (max 16 terminals + 85495 inputs + 85495 outputs)

**Input**
- Access control devices
- Door sensor
- PIR

**Types of Access Input supported**
- Card reader, magnetic strips, proximity cards, biometric readers

**Output**
- Outdoor Siren (i.e. 12VDC 5000Watt Siren)
- LED linked with a battery

**Access Control Features**
- Door access open / close, Door open time-out alarm, cyan-color contact alarm
- PIN code access

**Security Features**
- Door force open alarm, Door open time-out alarm, cyan-color contact alarm
- User login and alarm message (51 types)

**Software**
- Background: Bundled

**Surveillance Software Features**

- Integrated with IPC Video
- Time attendance functions
- Multiple views for event monitoring
- Automatic search of devices over the network
- Supports multiple languages
- Add users by batch
- Automatic search of devices over the network
- Multiple views for event monitoring
- Intelligent import users from 3rd party software
- Easy data grouping or filtering for viewing purposes