

FEATURES

Express Setup

- 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 eliminates programming errors

Enhanced Software Security Features

- Optional fingerprint login for system
- Screen-lock function; automatic logout after timeout period
- Full backup and restore 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 filtering
- 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 "tree structure" design, complete with ribbon-style menu layouts

Full Duplex Synchronization

- Fully synchronize data 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 time
- Configure event priorities from a total of 62 event types
- Offline door 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
- PUSH notifications are available for iOS and Android device users

Effortless Device Replacement

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

Efficient Management of Users

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

Powerful Access Control Settings

- Interlocking
- Anti-passback
- Multi-card operation
- Fire alarm linkage
- Multiple verification setting
- 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 disarming 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 schedules 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
- Post attendance data to SAGE UBS payroll easily. US payroll (ADP, BDB payroll services, Execupay, Millennium Payroll Solutions, MISYS, PAYCHEX, PayChoice, MYOB, QuickBooks, Attache)
- Timer feature for automatic download of data after a specified interval
- Support up to 9 digits of workcodes

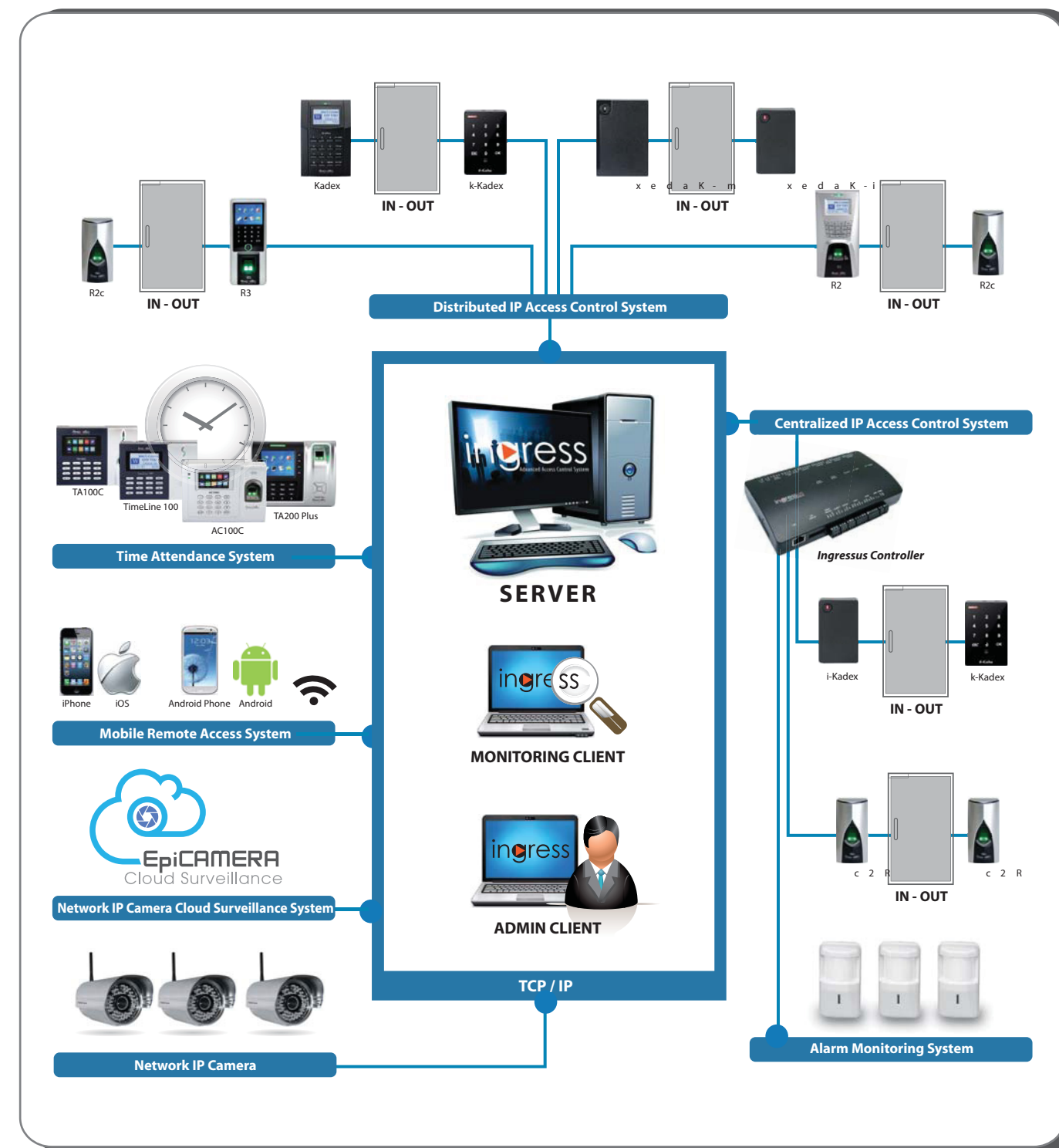
Additional Features

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

Integrated with IPC Video Surveillance Software Features

- Integrated with Milestone's XProtect series and EpiCamera's cloud storage solution
- Users can quickly track or playback captured video clips or pictures of the door event
- Supports live feed directly from the IP camera
- The Play Video Window supports frame selection, variable speed, pause and export to AVI and JPG files

SYSTEM DIAGRAM



HARDWARE REQUIREMENT

Server

- Operating system: Windows 8, Windows 10 or latest. Windows Server 2012 or latest.
- Processor: Intel® Core® 2 Duo 2.5 GHz or higher
- Memory: 3GB of RAM or higher
- Hard drive: 80 GB or higher
- Resolution: 1024 x 768 or higher

Client

- Operating system: Windows 8, Windows 10 or latest. Windows Server 2012 or latest.
- Processor: Intel® Core® 2 Duo 2.0 GHz or higher
- Memory: 2GB of RAM or higher
- Hard drive: 50 GB or higher
- Resolution: 1024 x 768 or higher

TECHNICAL SPECIFICATIONS OF INGRESSUS CONTROLLER



Ingressus I

Ingressus II

Ingressus IV

| Description | Ingressus I | Ingressus II | Ingressus IV |
|------------------------------------|---|---|---|
| Basic | | | |
| Dimension (L X W X H), mm | 186 x 106 x 36 | | 226 x 106 x 36 |
| Power input | 12V DC | | |
| Operating temperature (°C) | 0 - 55 | | |
| Operating humidity (%) | 10 - 80 | | |
| CPU | 32-bit, 400MHz | | |
| Flash memory (MB) | 128 | | |
| SDRAM (MB) | 32 | | |
| Polarity protection | Yes | | |
| Storage | | | |
| Fingerprints | 3000 | | |
| Cards | 30000 | | |
| Passwords | 30000 | | |
| Transactions | 100000 | | |
| Communications | | | |
| Communications with server | TCP/IP, RS485 | | |
| Quantity of terminal | 2 | 4 | 4 |
| Communication with terminals | 2 x 26-bit Wiegand input. Each for 1 slave terminal (1 x RS485 input to support RS485 network) (max 2 units) | 4 x 26-bit Wiegand input. Each for 1 slave terminal (1 x RS485 input to support RS 485 network) (max 4 units) | 4 x 26-bit Wiegand input. Each for 1 slave terminal (1 x RS485 input to support RS 485 network) (max 8 units) |
| Input | | | |
| Push release button | 1 | 2 | 4 |
| Door sensor | 1 | 2 | 4 |
| AUX | 1 | 2 | 4 |
| Types of AUX input supported | Motion detector, passive DIR detector, curtain passive infrared detector, pet immunity PIR detector, two beam digital active infrared detector, heat detector | | |
| Output | | | |
| Door lock (12VDC 10A form C relay) | 1 | 2 | 4 |
| AUX output (30VDC 2A form C relay) | 1 | 2 | 4 |
| Types of AUX output supported | Gas detector and compatible sensors, Piezo strobe siren, electronic siren | | |
| Access control features | | | |
| Main Features | Door opening time (0-999s), Inter-locking (Ingressus II & IV only), Anti-pass back (Local only), Multi card unlocking, First card unlocking, Time zone (50), Holiday time zone, Permanent door release/lock time zone, Day light saving time zone, Continuous verification of users | | |
| Security Features | Door force open alarm, Door open time out alarm, Fire linkage, Duress alarm, Door status and event (51 types) | | |
| SOFTWARE | | | |
| Ingress | Bundled | | |