

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 administrators
- 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

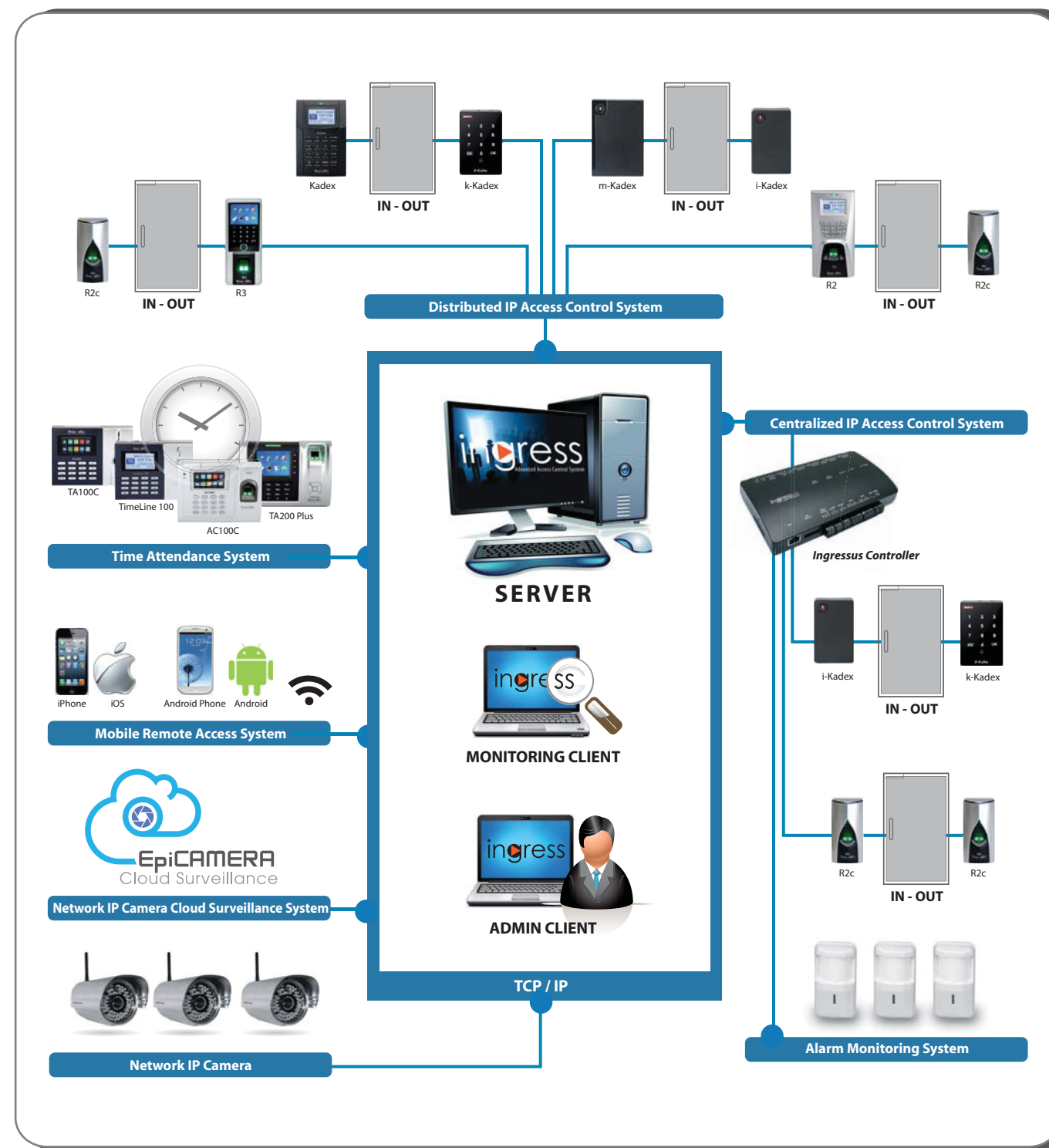
Additional Features

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

Client

- Operating system: Windows 8, Windows 10, Windows Server 2012
- Processor: Intel® Core® 2 Duo 2.0 GHz or higher
- Memory: 2GB of RAM or higher
- Hard drive: 50GB
- Resolution: 1366 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		