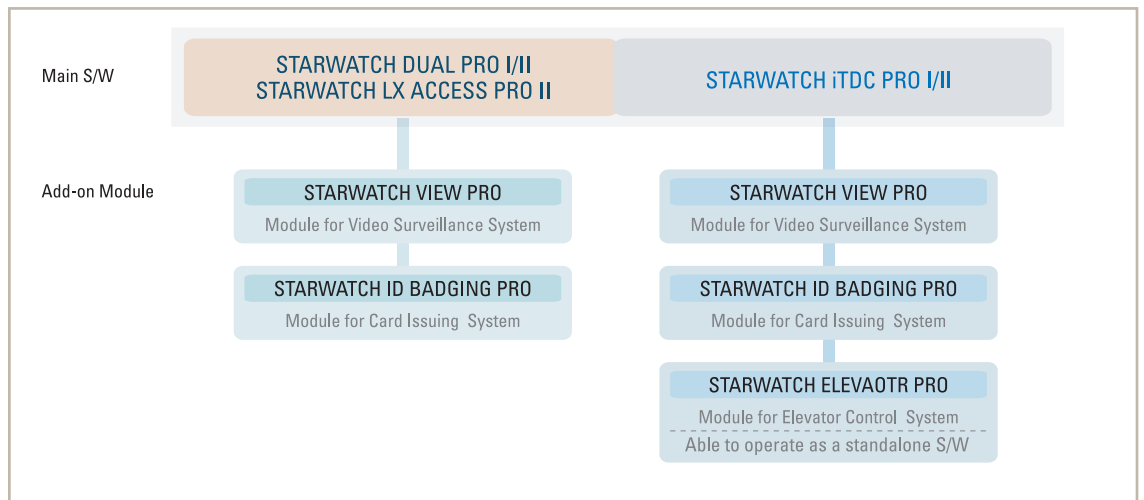


## Access Control and Time & Attendance Software

STARWATCH DUAL PRO I/II  
 STARWATCH iTDC PRO I/II  
 STARWATCH LX ACCESS PRO II

### Structure of STARWATCH Software



### Comparison Table

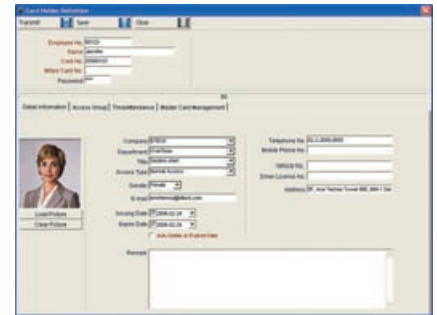
	STARWATCH DUAL PRO I / iTDC PRO I	STARWATCH DUAL PRO II / iTDC PRO II / LX ACCESS PRO II
Database	Microsoft Access	Microsoft SQL Sever 2000, MSDE
Sever / Client support	N/A	1 Server + 20 Client*
Computer Requirement	CPU: Pentium-4 or Higher MEMORY : 256M or Higher HDD : 10G or Higher	CPU: Pentium-4 or Higher MEMORY : 512M or Higher HDD : 20G or Higher

#### Server\*

- Communicates with Controller through TCP/IP or Serial communication
- Able to send/receive all data such as personal, fingerprint, time schedule, In/Out define
- Able to set and configure controller from software
- Supports access control, time and attendance
- Able to view and print various reports
- Supports real-time monitoring of various events

#### Client\*

- Connects to server program through TCP/IP
- Able to send/receive some data such as personal and fingerprint
- Supports access control, time and attendance
- Able to view and print various reports
- Supports real-time monitoring of various events



## KEY Features

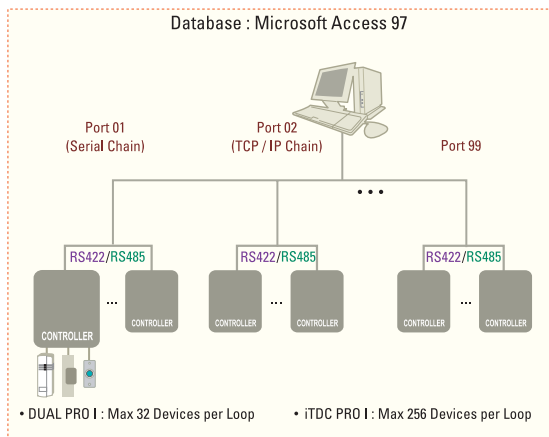
- **Operating system**
  - Microsoft Windows 2000 (Professional, Server), Microsoft Windows XP (Home, Professional), Microsoft Windows 2003 Server
- **Powerful network support**
  - Multi port support
  - TCP/IP, serial and dial-up communication available
  - Remote server and client support
- **Multi language support**
  - Korean, English, Spanish, Chinese, Japanese, French, Italian and others
  - Built in language converter to support user defined language translation for other language users
- **Batch transmission of system setting data by specific controller**
  - Useful to download controller system setting values at once in case of initial system setting or after initialization of controllers

## Compatible Table

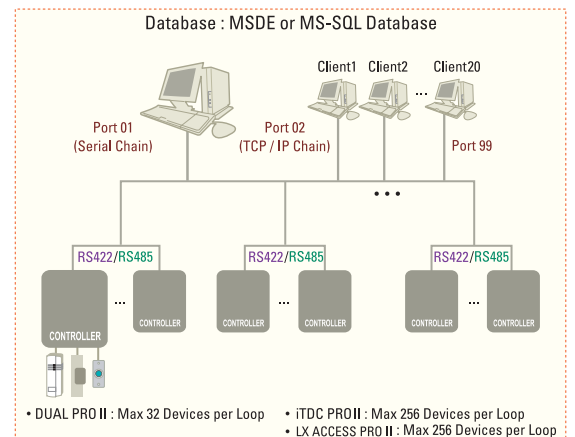
STARWATCH DUAL PRO I / II	<ul style="list-style-type: none"> <li>- Single door controller : 505R, FINGER007, FACE007, iCON100, SR505, FINGER007SR, FACE007SR, iCON100SR</li> <li>- Fingerprint reader : FINGER006, FGR006, FINGER006EX, FGR006EX, FINGER006SR, FGR006SR</li> <li>- Facial recognition reader : FACE006, FACE006EX, FACE006SR</li> </ul>
STARWATCH iTDC PRO I / II	<ul style="list-style-type: none"> <li>- 2/4 door controller : iTDC, iTDC-SR</li> <li>- Elevator controller : ELEVATOR384</li> <li>- Fingerprint reader : FINGER006, FGR006, FINGER006EX, FGR006EX, FINGER006SR, FGR006SR</li> <li>- Facial recognition reader : FACE006, FACE006EX, FACE006SR</li> </ul>
STARWATCH LX ACCESS PRO II	<ul style="list-style-type: none"> <li>- Single door controller : LX505, LX007, LX505SR, LX007SR</li> <li>- Fingerprint reader : LX006</li> </ul>

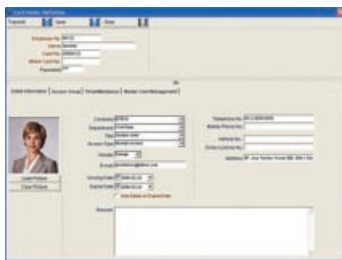
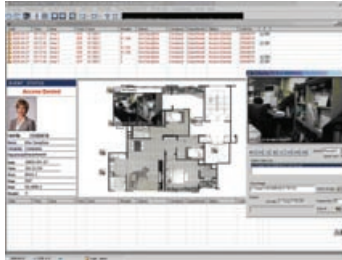
## System Configuration

STARWATCH DUAL PRO I / iTDC PRO I



STARWATCH DUAL PRO II / iTDC PRO II / LX ACCESS PRO II





## Total Monitoring

- **Total monitoring on one screen**

- All in one screen display of event status, alarm status, user data of current event with photo, map showing location of event with icons, video image of the event, events sorted by door at the same time
- Real time door status display and control with door icon on the map, video record data listing and its play

- **Map function**

- Map setup using floor layout to corresponding to the real floor layout
- Doors and sensors are shown as icons, and depending on user options, the time of the day when an event occurs will be shown automatically on the map
- Real time door status display and control with door icon on the map, video record data listing and play option

- **Real time video monitoring and recording on access and alarm events**

- Real time video monitoring on the door with video devices
- Video recording and play by event type

- **Video monitoring on the map screen and map setting screen**

- Camera icon to view live images for ease of finding any locations
- Event location display on the map screen with live video

## Access Control System

- Real time monitoring of door access and alarm event
- Intelligent access control by cardholder, group and time schedule
- Card holder activation and de-activation
- Automatic card expiration by date
- Zone Anti-pass back
- Administrative menu is controlled by password
- User options of event display, e-mail notice, map, video display and sound by event type
- User defined access control report
- User defined input/output relation
- Data export in Excel and Text file format
- Event report export to Excel, Html, PDF file format
- 2 men rule access control
- Long access / disabled access
- Automatic door, output opening by time schedule
- Duress Mode
- Support for badge status display (lost, stolen, etc)
- ID Batch Upload
- Input Status Monitoring
- ARM / DISARM Function

## SMS Service

- Event data message service to mobile phone
- Message service option by event types

## Personal Tracking Report

- Able to track the number of person accessing each gate or place with their personal details

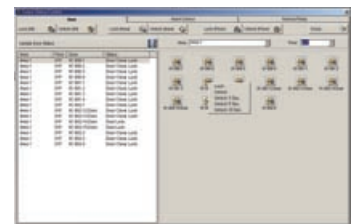
## Time & Attendance

- Work hours, tardiness, absence, overtime report by individual by user defined time period
- Work holiday, work time / break time definition by cardholder
- Time & Attendance data modification by manager
- Function key user definition
- Data export to Excel and Text file for system cooperation with ERP system, payroll etc.
- Report conversion to Excel, HTML and PDF file
- Support for break time management



## Door / Alarm Status and Control

- Direct door and alarm device controlled by individual or by group
- User monitor access door status in real time
- The icon status is updated in real time (Door Open, Door Closed, Lock, and Unlock)
- User can control Lock, Unlock of access door of entire, area type, floor type, individual type door
- User monitor alarm device and other output status in real time
- The icon status is updated in real time (Active, Inactive)
- User can control Active and Inactive alarm devices and other output of entire, area type, floor type, individual type



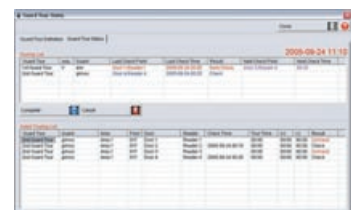
## Fire Group Definition

- Able to set up automatic gate open function for each gate's fire event by setting up Fire Group Definition
- Fire / Burglar Alarm system integration
- Support for fire group (according to fire signal, Fire Group function are set up with emergency (fire) exit.)



## Guard Tour

- Guard tour monitoring by tour points in sequential or non-sequential time limit option
- Register / Manage card, area and time of Guard Tour
- Support for guard tour status and guard tour report



## Visitor Management

- Easily record visitor's detail and track their log data.
- With automatic deletion function, it is possible to manage the specific date or time for each visitor.
- Visitor management is processed by identifying the user as a non regular card holder
- Visitor's data contains company, name, reason for visit, visitor, visiting dept
- Access area and time can be controlled by access group

