

Management Software



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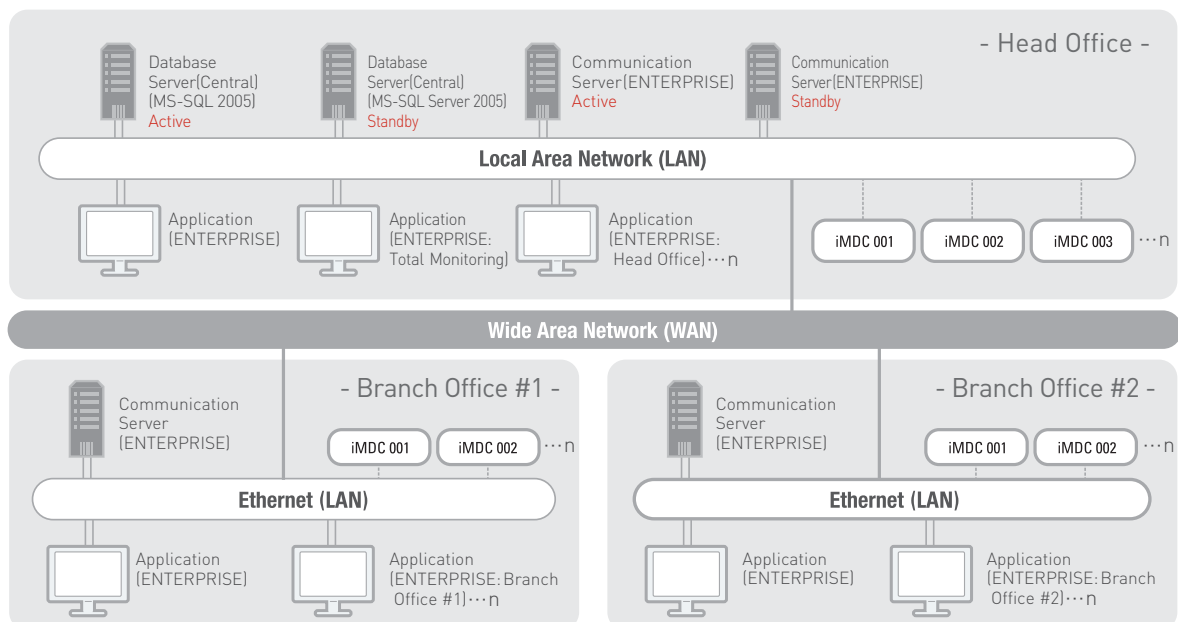
- ❖❖ Offers Variety of Management Software to Meet the Request of the Customers According to the Size of the Installation Site, Application and User
- ❖❖ Offers Various User Defined System Settings for Flexible and Effective Management
- ❖❖ Supports Fault-Tolerant System for Stable Performance without System Failure
- ❖❖ Easy Initial Setting using Setup Wizard and User Interface with Maximized User Convenience
- ❖❖ Distributed System (Database / Communication / Application) Guarantees High Performance and System Stability
- ❖❖ Applied Triple DES Encryption for Elevated Data Security (Physical / Logical)
- ❖❖ Delivers Advanced Features for Efficient Security Management
 - ✦ Data Grouping / User-Defined Report / Automatic System Log-Off / System Log-In via Fingerprint Recognition
- ❖❖ Comprehensive Auditing Log and Reporting for Enhanced Administrative Protection
- ❖❖ User Defined Integrated Monitoring
- ❖❖ Seamless Integrations with Video Surveillance, Fire Alarm, Alarm, BAS, BMS and Other Systems

STARWATCH ENTERPRISE

STARWATCH ENTERPRISE is a professional access control management S/W suitable for sites and areas such as airports, intelligent buildings, laboratories and other special facilities, where high level of security and efficient management are required. The system offers multi-site management using the LAN/WAN communication and guarantees stable performance even during the emergency situation due to the dual system processing.



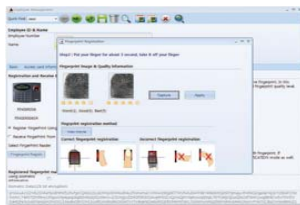
System Configuration



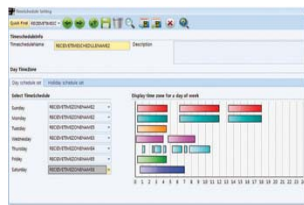
System Requirements

	Requirements	Etc.
Operating System	General Operating System Windows XP / Windows Vista / Windows 7 * 32 Bit Windows Server Operating System Windows 2003 Server *This system does not support Windows 95, 98, ME, 2000 (Professional and Server).	All the operating systems are suggested to install the latest service pack and security patch.
CPU	Pentium 4 Core 2 Duo or Higher	
RAM	2GB or Higher	
HDD	100GB or Higher	
VGA	1024 x 768 or Higher Resolution 65,536 Color (16 bit color) or Higher	
CD-ROM	8X or Higher	
Database	Microsoft SQL Server 2005/2008 Express Edition (Built-In) Microsoft SQL Server 2005/2008 (Sold Separately)	All the databases are suggested to install the latest service pack and security patch.
Compatible Controllers / Readers	Controllers : iMDC, iEDC Proximity Readers : RF Series, IP Series, SR Series Biometric Readers : LX006 Series, FINGER006 Series, FGR006 Series, MAC1000 Series, 2000 Series	

System Features



User Fingerprint Registration



Time-Schedule Setting



Device Setting Wizard



Integrated Monitoring

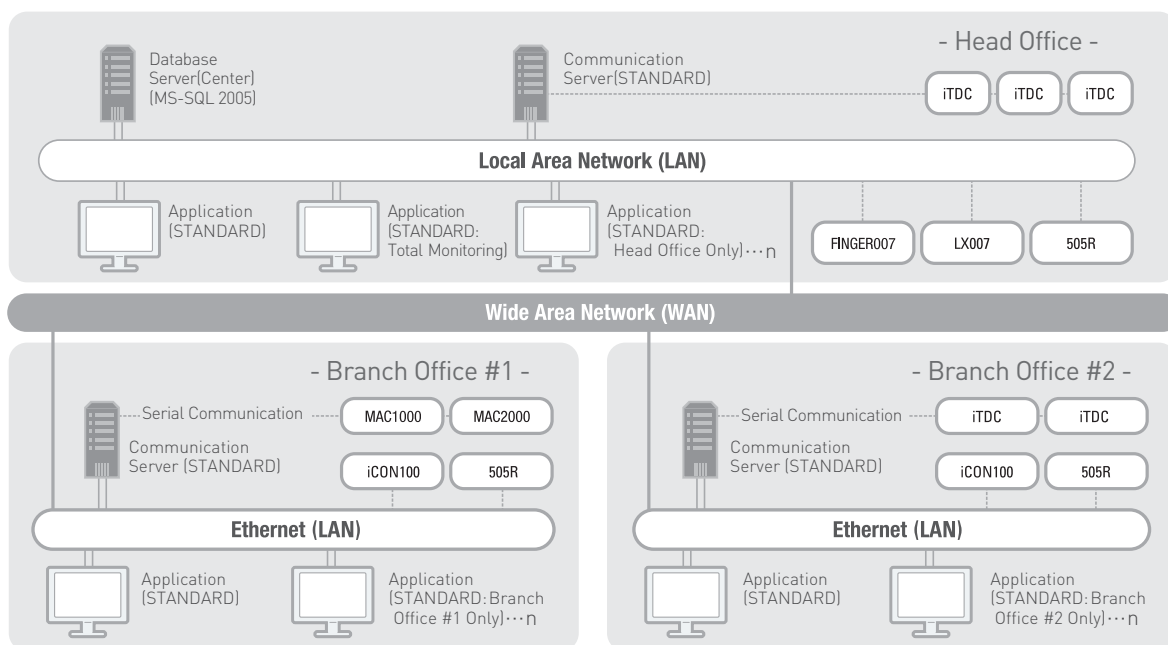
- ✚ Fault Tolerant System Applied
 - Dual system processing of controller, communication server and database for active/standby system
 - In case of the system failure, the dual-system processing keeps the system running with the backup(Standby) system
 - * In case of dual system processing of database, Microsoft SQL Server function is used
- ✚ Enhanced System Security Features
 - Comprehensive system log management to increase system security
 - Automatic system log-off function
 - Authorization setting per user account
 - System log-in via fingerprint recognition
 - Encrypted with 3DES for data transmission and fingerprint information protection
- ✚ Multi-Site Management
- ✚ Maximized System Performance with Distributed System Environment
 - ENTERPRISE Application, Communication Server and Database can be installed and operated in separate server
 - Maximized system scalability, stability and performance
- ✚ Strengthened Access Control Features
 - Various Anti-Passback Mode (Local, Zone, Global, Timed, Soft Anti-Passback)
- ✚ Effective Information Management Features
 - Supports setting information synchronization between the devices and software
 - Group management by department, company, region for managing large quantity of information
- ✚ Convenient Management Features
 - Head count of the members in the room using the In Room Monitoring feature
 - Visitor access status monitoring using the visitor management feature
 - Guard Tour feature
 - Supports basic Time & Attendance function
 - Various report available for printing including the user defined reports
- ✚ Integrated Monitoring Features
 - Intuitive monitoring using the graphic map (Using the icons on the map, control the doors and input devices)
- ✚ Event Management Features
 - Event Priority Setting
 - Event notification via E-mail and SMS
 - Voice notification of event occurrence ("wav" file setting by event type)
- ✚ Door Status Monitoring and Control
- ✚ Multi-Language Support
 - Unicode based multi-language support allows easy language conversion

STARWATCH STANDARD

STARWATCH STANDARD is a professional access control and basic time & attendance management software, which can be integrated with various devices (iTDC Series, iCON100, FINGER007 Series, 505R Series, LX Series). Due to the UI that has been designed to maximize the user convenience and the setup wizard, it offers easy and convenient operation for anyone.



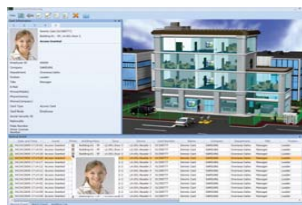
System Configuration



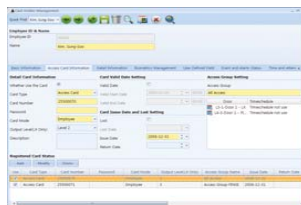
System Requirements

	Requirements	Etc.
Operating System	General Operating System Windows XP / Windows Vista / Windows 7 * 32 Bit Windows Server Operating System Windows 2003 Server *This system does not support Windows 95, 98, ME, 2000 (Professional and Server).	All the operating systems are suggested to install the latest service pack and security patch.
CPU	Pentium 4 Core 2 Duo or Higher	
RAM	2GB or Higher	
HDD	100GB or Higher	
VGA	1024 x 768 or Higher Resolution 65,536 Color (16 bit color) or Higher	
CD-ROM	8X or Higher	
Database	Microsoft SQL Server 2005/2008 Express Edition (Built-In) Microsoft SQL Server 2005/2008 (Sold Separately)	All the databases are suggested to install the latest service pack and security patch.
Compatible Controllers / Readers	Controllers : iTDC Series, iCON100, LX007 Series, FINGER007 Series, LX505 Series, 505R Series, MAC1000 Series, MAC2000 Series Proximity Readers : RF Series, IP Series, SR Series Biometric Readers : LX006 Series, FINGER006 Series, FGR006 Series	

System Features



Integrated Monitoring



User Information Registration



Biometrics Information Management



Time-Zone Setting

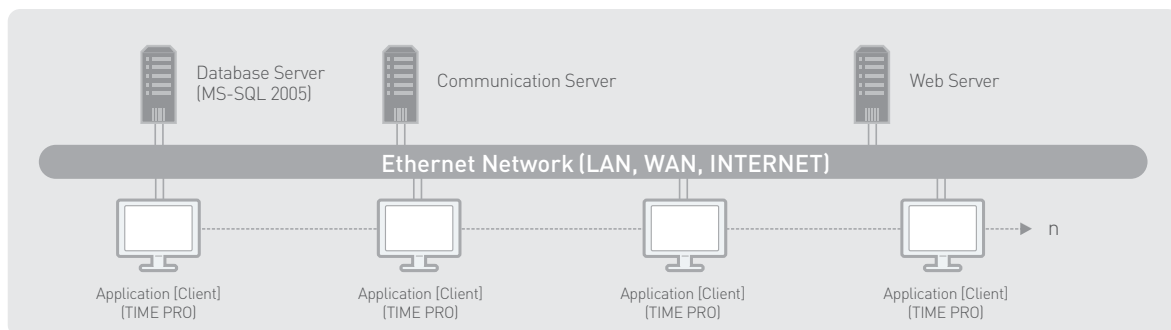
- ✚ Multi-Site Management
 - Integrated multi-site management via LAN/WAN communication
 - Remote control and integrated data management of multi-site
- ✚ Enhanced System Security Features
 - Comprehensive system log management to increase system security
 - Automatic system log-off function
 - Authorization setting per user account
 - Encrypted with 3DES for data transmission and fingerprint information protection
- ✚ Maximized System Performance with Distributed System Environment
 - STANDARD Application, Communication Server and Database can be installed and operated in separate server
 - Maximized system scalability, stability and performance
- ✚ User Convenience Features
 - Intuitive UI and setup wizard for user convenience and easy set up
 - Unicode based multi-language support allows easy language conversion
 - Offers various types of reports (User Alarm Status, Accessible Users per Entry Point, Event Status Report and etc.)
 - Various tool tips and help features
- ✚ Enhanced Access Control Features and Convenient Management
 - Alarm controller integration using the Arm/Disarm function
 - Various Anti-Passback Modes
 - Supports basic Time & Attendance function
- ✚ Integrated Monitoring Features
 - Monitoring layout setting according to user preference
 - Supports multi-monitoring
 - Intuitive monitoring using the graphic map (Using the icons on the map, control the doors and input devices)
- ✚ Event Management Features
 - Event notification via E-mail and SMS
 - Event texts categorized in different colors according to event type
- ✚ Effective User Management Features
 - Provides the records of issued cards in case the user has re-issued the cards several times
 - Allows registration of personal information including the bio data of the user
- ✚ Door Status Monitoring and Control
 - Door open and close status setting
 - Individual control of each door

STARWATCH TIME PRO

STARWATCH TIME PRO is professional Time & Attendance management software, which supports various work time rules such as multi-shift management, overtime and other complicated work rules. The software provides user defined reports and integration with ERP systems for payroll management.



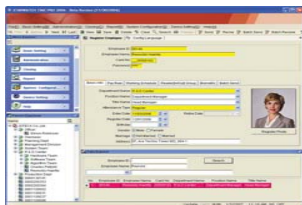
System Configuration



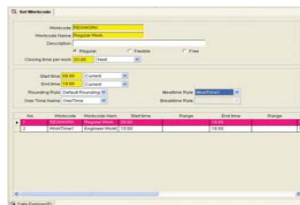
System Requirements

	Requirements	Etc.
Operating System	General Operating System Windows XP / Windows Vista / Windows 7 * 32 Bit Windows Server Operating System Windows 2003 Server *This system does not support Windows 95, 98, ME, 2000 (Professional and Server).	All the operating systems are suggested to install the latest service pack and security patch.
CPU	Pentium 4 Core 2 Duo or Higher	
RAM	2GB or Higher	
HDD	100GB or Higher	
VGA	1024 x 768 or Higher Resolution 65,536 Color (16 bit color) or Higher	
CD-ROM	8X or Higher	
Database	Microsoft SQL Server 2005 Express Edition (Built-In) Microsoft SQL Server 2005 (Sold Separately)	All the databases are suggested to install the latest service pack and security patch.
Compatible Controllers / Readers	Controllers : iTDC Series, iCON100, LX007 Series, FINGER007 Series, LX505 Series, 505R Series, MAC1000 Series, MAC2000 Series Proximity Readers : RF Series, IP Series, SR Series Biometric Readers : LX006 Series, FINGER006 Series, FGR006 Series	

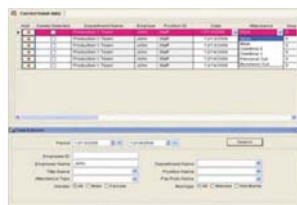
System Features



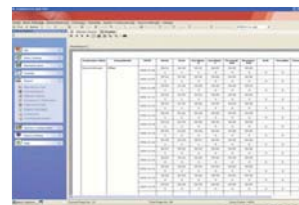
User Registration



Work Time Configuration



Irregular Attendance Registration and Process



Time & Attendance Reports

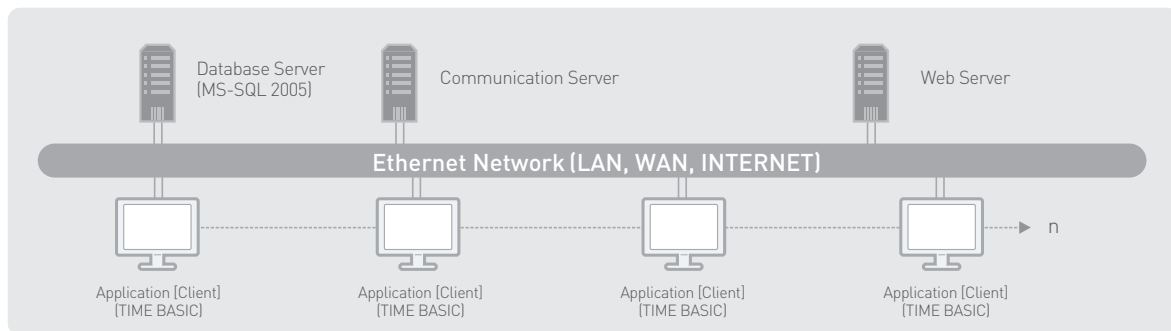
- ✚ User Configurable Multi-Shift Management
 - Double shift / Triple shift / User defined
 - Suitable for 24 hour working environments such as hotels, hospitals, factories and etc.
- ✚ Various Work Rule Setting
 - Using the work time setting function, apply different work time per user and date
 - Automatic calculation of work time per user (Work time, late-in, early leave, overtime, holiday work, total days of work, total number of late-in, total number of early leave and etc.)
 - Lunch time (Break time) management and deduction function
- ✚ Report Reviewing and Printing Available via Web Browser
 - Time & Attendance reports viewable on the web browser
- ✚ Various T&A and User Defined Reports
 - Provides reports by daily, weekly, monthly and other terms
 - Prints out attendance results using the closing report
 - After daily closing, user with irregular attendance can modify the information to be applied on daily, monthly and yearly data
 - Reports can be converted into Excel, HTML, PDF and other file format
 - Allows generation of user defined report
- ✚ Effective User Information Management
 - Allows input of customized fields for various information input
- ✚ Various Function Key Setting
 - Configure various attendance types using the 12 function keys (Applies only on LX505 Series and LX007 Series)
- ✚ Supports Various Export Features
 - Excel, Text, PDF and database integration
 - Integrations with ERP and other HR programs using the T&A data export function
- ✚ Multiple Company Management and Data Management Function
- ✚ E-mail and SMS Notification Function
- ✚ Multi-Language Support
 - Korean, English, Arabic and additional language support
 - User defined language conversion function
- ✚ Convenient System Setting Using the Wizard Function
 - Step by step initial setting and data input via setup wizard
 - Easy settings using the dynamic tool tips

STARWATCH TIME BASIC

STARWATCH TIME BASIC is T&A management software, designed for easy and simple management. The software can be integrated with ERP for payroll management and provides various T&A reports. With the setup wizard and extensive tool tips, even the first time users can use the software easily without reading the manual.



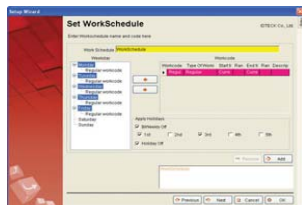
❖ System Configuration



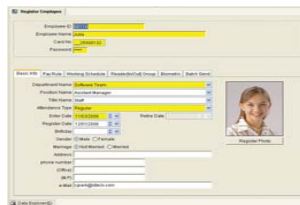
❖ System Requirements

	Requirements	Etc.
Operating System	General Operating System Windows XP / Windows Vista / Windows 7 * 32 Bit Windows Server Operating System Windows 2003 Server *This system does not support Windows 95, 98, ME, 2000 (Professional and Server).	All the operating systems are suggested to install the latest service pack and security patch.
CPU	Pentium 4 Core 2 Duo or Higher	
RAM	2GB or Higher	
HDD	100GB or Higher	
VGA	1024 x 768 or Higher Resolution 65,536 Color (16 bit color) or Higher	
CD-ROM	8X or Higher	
Database	Microsoft SQL Server 2005 Express Edition (Built-In) Microsoft SQL Server 2005 (Sold Separately)	All the databases are suggested to install the latest service pack and security patch.
Compatible Controllers / Readers	Controllers : iTDC Series, iCON100, LX007 Series, FINGER007 Series, LX505 Series, 505R Series, MAC1000 Series, MAC2000 Series Proximity Readers : RF Series, IP Series, SR Series Biometric Readers : LX006 Series, FINGER006 Series, FGR006 Series	

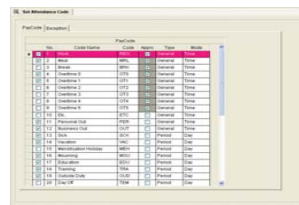
System Features



Setup Wizard [Work Schedule Setting]



User Registration



Work Code Configuration



Overtime Rule Configuration

- ✚ Various Work Rule Setting
 - Using the work time setting function, apply different work time per user and date
 - Automatic calculation of work time per user (Work time, late-in, early leave, overtime, holiday work, total days of work, total number of late-in, total number of early leave and etc.)
 - Lunch time (Break time) management and deduction function
 - Regular office T&A support
- ✚ Report Reviewing and Printing Available via Web Browser
 - Time & Attendance reports viewable on the web browser
- ✚ Various T&A and User Defined Reports
 - Provides reports by daily, weekly, monthly and other terms
 - Print out attendance results using the closing report
 - After daily closing, user with irregular attendance can modify the information to be applied on daily, monthly and yearly data
 - Reports can be converted into Excel, HTML, PDF and other file format
- ✚ Effective User Information Management
 - Allows input of customized fields for various information input
- ✚ Various Function Key Setting
 - Configure various attendance types using the 12 function keys (Applies only on LX505 Series and LX007 Series)
- ✚ Supports Various Export Features
 - Excel, Text, PDF and database integration
 - Integrations with ERP and other HR programs using the T&A data export function
- ✚ Multiple Company Management and Data Management Function
- ✚ E-mail and SMS Notification Function
- ✚ Multi-Language Support
 - Korean, English, Arabic and additional language support
 - User defined language conversion function
- ✚ Convenient System Setting Using the Wizard Function
 - Step by step initial setting and data input via setup wizard
 - Easy settings using the dynamic tool tips

STARWATCH DUAL PRO I/II

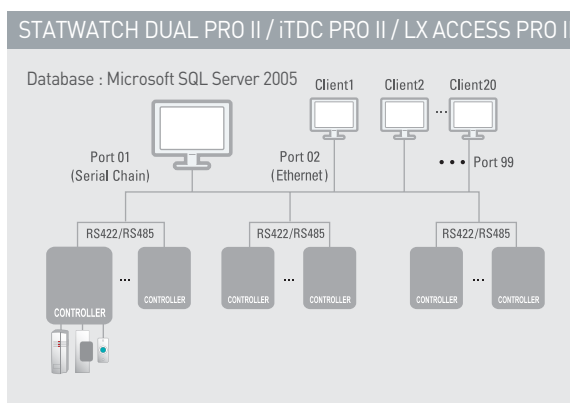
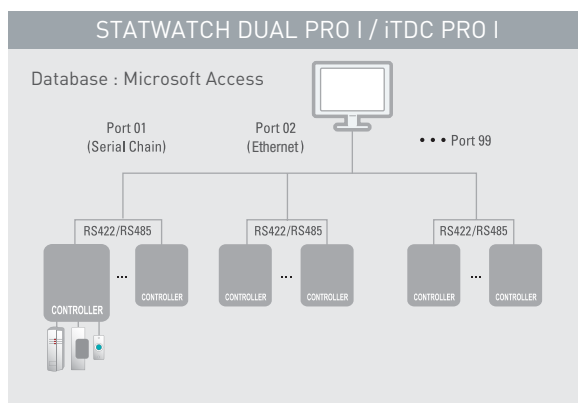
STARWATCH iTDC PRO I/II

STARWATCH LX ACCESS PRO II

IDTECK access control management software series are steady-selling security management software that guarantees high performance at affordable cost.



System Configuration

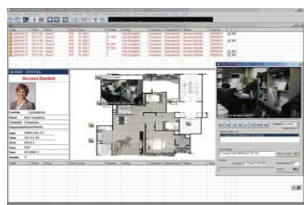


* ID BADGING PRO and ELEVATOR PRO software can be used as add-on modules to STARWATCH DUAL PRO I/II, iTDC PRO I/II and LX ACCESS PRO II.

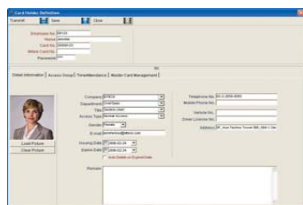
System Requirements

	DUAL PRO I / iTDC PRO I	DUAL PRO II / iTDC PRO II	LX ACCESS PRO II
Database	Microsoft Access	Microsoft SQL Server 2005	Microsoft SQL Server 2005
Server / Client	N/A	1 Server + 20 Clients	1 Server + 20 Clients
Main Function	Access Control and T&A	Access Control and T&A	Access Control and Basic T&A
PC Requirements	CPU : Pentium 4 or Higher	CPU : Pentium 4 or Higher	CPU : Pentium 4 or Higher
	Memory : 1G or Higher	Memory : 1G or Higher	Memory : 1G or Higher
	HDD : 20G or Higher	HDD : 20G or Higher	HDD : 20G or Higher
Compatible Controllers / Readers	1) DUAL PRO I/II - Controllers : 505R Series, FINGER007 Series, iCON100 - Fingerprint Readers : LX006 Series, FINGER006 Series, FGR006 Series		
	2) iTDC PRO I/II - Controllers : iTDC Series, ELEVATOR384 *ELEVATOR384 for Single Operation : STARWATCH ELEVATOR PRO *ELEVATOR384 + iTDC for Integrated Operation : STARWATCH iTDC PRO I/II + ELEVATORPRO - Fingerprint Readers : LX006 Series, FINGER006 Series, FGR006 Series		
	3) LX ACCESS PRO II - Controllers : LX007 Series, LX505 Series - Fingerprint Reader : LX006 Series		

System Features



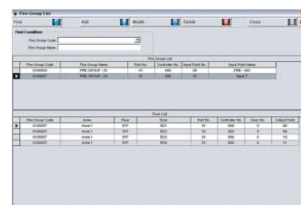
Integrated Monitoring



User Registration



Door Status Control



Fire Group Configuration

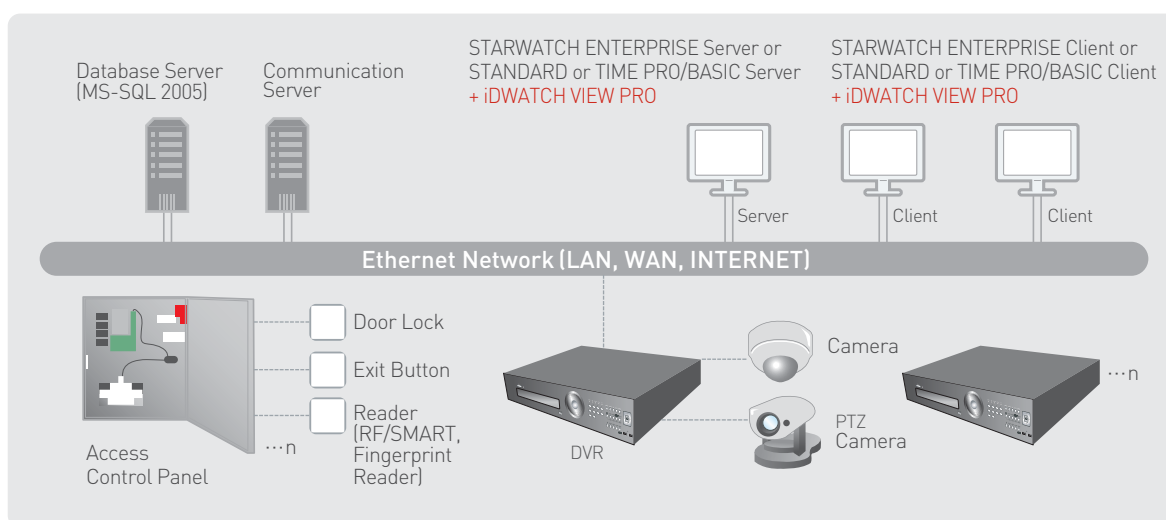
- ✚ Integrated Monitoring
 - Event data monitoring, alarm data monitoring, map image, video image, user information, event status per entry doors and other information are available on single screen
 - Intuitive monitoring using the graphic map (Using the icons on the map, control the doors and input devices)
- ✚ Alarm Event Management and Notification Features
 - Event texts categorized in different colors according to event type
 - Event notification via E-mail and SMS
 - Reports available on alarm event confirmed by administrator for printing
 - Voice notification of event occurrence ("wav" file setting by event type)
- ✚ Enhances Access Control Features
 - Arm/Disarm Function • 2 Men-Operation Function
 - Anti-Passback Function
- ✚ Basic Time & Attendance Features
 - Work time setting and holiday setting by individual users
 - Integrations with Payroll Programs
 - Offers daily, monthly and yearly closing and attendance status monitoring
 - Review and print reports by user
 - Break time management (DUAL PRO I/II)
- ✚ Visitor Management Features
 - Access area and access time restriction using the access group setting
 - Review and print visitor access status report
 - Visitor information management (Company, Name, Purpose of visit, Visiting department, Person-in-Charge and etc.)
 - Automatic deletion (Deletes the card automatically when it reaches pre-assigned date and time)
- ✚ Convenient Application Features
 - Guard Tour Management
 - In room Monitoring System
- ✚ Dynamic Report Generation
 - Various reports available on access status, alarm status, visitor access status, accessible doors by entry doors / users and etc.
 - Time & Attendance reports available by user, daily and monthly
- ✚ User Convenient Features
 - Multi-language support
 - File export (Text and Excel) and conversion (HTML, Excel, PDF and etc.)
- ✚ Entry Door Status Monitoring and Control
 - Door open and close status setting
 - Individual control of each door

iDWATCH VIEW PRO

iDWATCH VIEW PRO is designed to increase the security level as it provides more precise attendance check as access control and Time & Attendance management software are integrated with video surveillance (DVR integration). This add on software can be easily added on to access control (ENTERPRISE & STANDARD) and Time & Attendance (TIME PRO & TIME BASIC) management software.



❖ System Configuration



❖ System Requirements

	Requirements	Etc.
Operating System	General Operating System Windows XP / Windows Vista / Windows 7 * 32 Bit Windows Server Operating System Windows 2003 Server *This system does not support Windows 95, 98, ME, 2000 (Professional and Server).	All the operating systems are suggested to install the latest service pack and security patch.
CPU	Pentium 4 Core 2 Duo or Higher	
RAM	2GB or Higher	
HDD	100GB or Higher	
VGA	1024 x 768 or Higher Resolution 65,536 Color (16 bit color) or Higher	
CD-ROM	8X or Higher	
Database	Microsoft SQL Server 2005/2008 Express Edition (Built-In) Microsoft SQL Server 2005/2008 (Sold Separately)	All the databases are suggested to install the latest service pack and security patch.
Compatible Controllers	Controllers that are compatible with ENTERPRISE, STANDARD, TIME PRO and TIME BASIC	
Compatible DVRs	SHR-2040/2042/2080/2082/2160/2162/5040/5042/5080/5082/5160/5162 SHR-6040/6042/6080/6082/6160/6162 SHR-7080/7082/7160/7162/8080/8082/8160/8162 SRD-470/470D/471/830/830D/1610/1610D/1630/1630D/850/850D/851 SRD-1650/1650D/1651/870/870D/871/1670/1670D/1671	

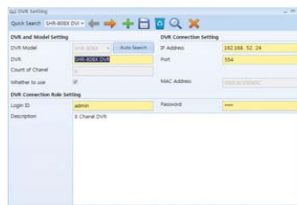
System Features



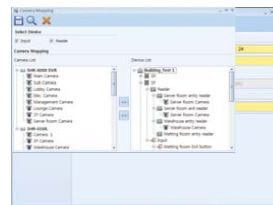
Integrated Monitoring



Graphic Map Configuration



DVR Configuration



Camera Mapping

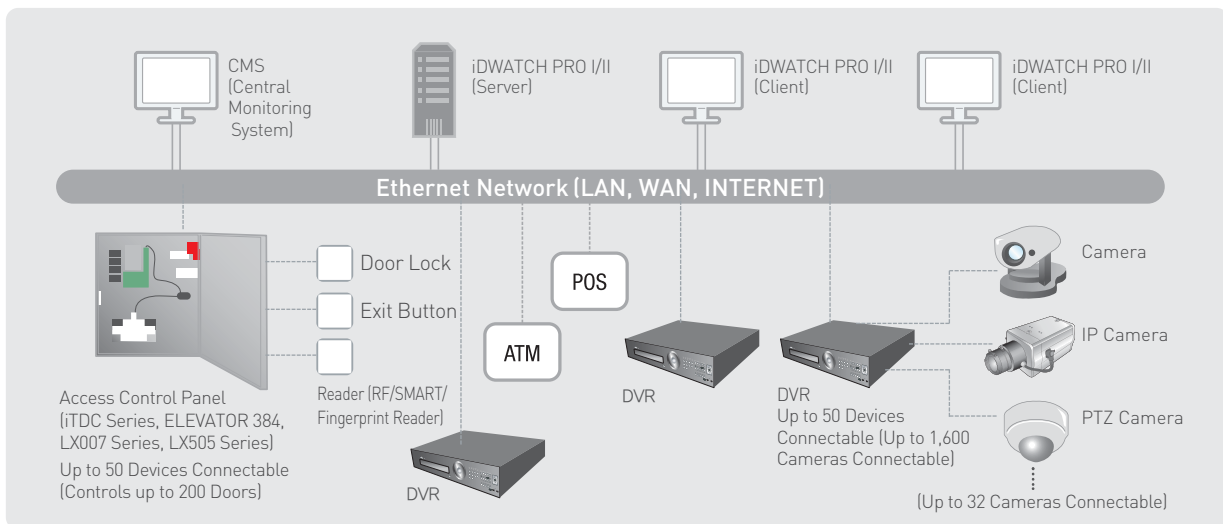
- + Event Configuration/Management/Monitoring Function
 - Video recording of access control events (normal & alarm), real-time operation configurable
 - In case of access control event occurrence, monitor the beforehand and afterwards video image of the event
- + Integrated Monitoring
 - Displays the recorded video of access control event
 - Allows real-time confirmation of video using the camera list and icons
 - Graphic map configuration and display
 - Allows icon configurations of door, input and camera on the graphic map
 - In case of event transmission, it displays the relevant device or the door on the graphic map
- + DVR Configuration and Viewer Function
 - Configuration and management of information between management software and DVR
 - Controls PTZ camera connected to the DVR
 - Automatic DVR search function
- + Camera Mapping Function
 - Allows mapping between camera/door and input devices
- + Pop-up Video Function
 - Automatic pop-up notification with video image according to event configuration
 - Allows playback via pop-up screen

iDWATCH IAD PRO I/II

iDWATCH IAD BASIC I/II

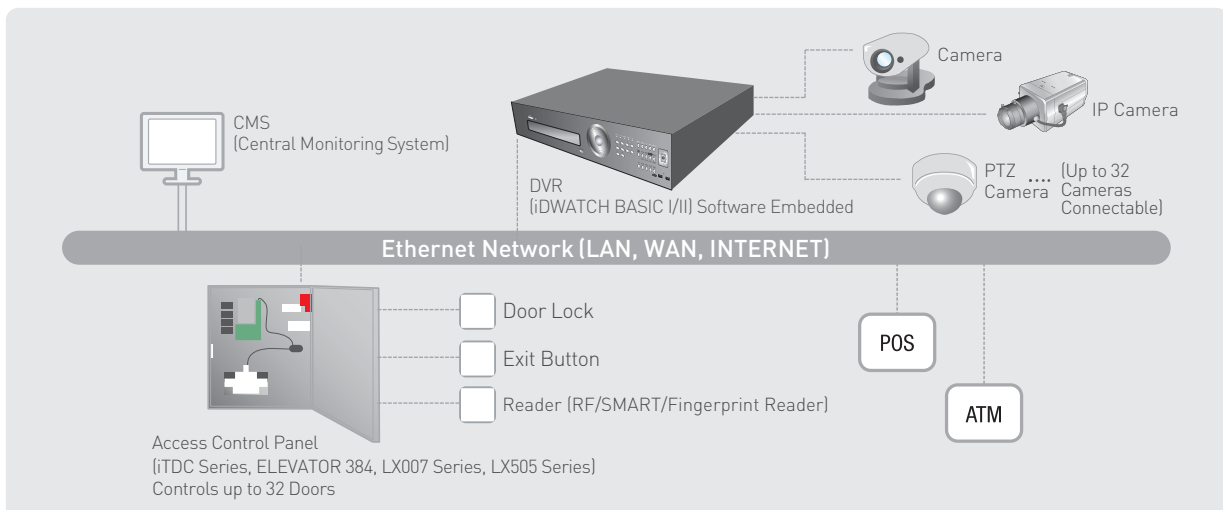
❖ iDWATCH IAD PRO I/II

iDWATCH IAD PRO I/II are advanced integrated security software, which allow integrated monitoring of video surveillance and access control. Multiple numbers of DVRs can be networked together (Distributed installation of DVR and management software) with the access controller for management of medium / large business management and allows multi-site management and monitoring using the server/client support.



❖ iDWATCH IAD BASIC I/II

iDWATCH IAD BASIC I/II are advanced integrated security management software, which is designed to centrally monitor video surveillance and access control. These software are suitable for small size business such as convenient stores, offices, storage areas and etc. This system is offered in standalone system (DVR with embedded management software) and when installing several DVRs, it allows integrated video monitoring using the iDWATCH CMS.



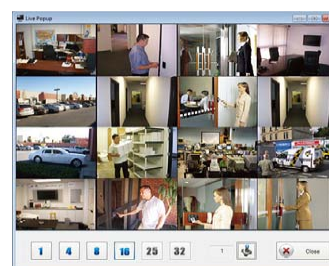
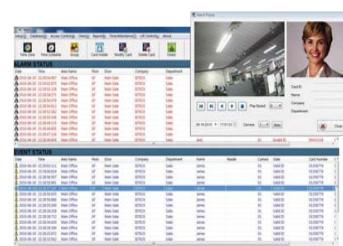
*iDWATCH IAD PRO and BASIC have same features, yet difference in integrated device numbers.

❖ System Requirements

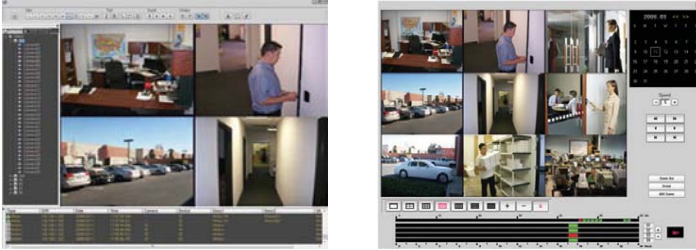
	iDWATCH IAD PRO I / iDWATCH IAD BASIC I	iDWATCH IAD PRO II / iDWATCH IAD BASIC II
Operating System	Windows XP Windows Vista, Windows 7, Windows 2003 Server * 32 Bit Windows	
System Memory	Windows XP : 1GB or Higher, Windows Vista : 2GB or Higher Windows 7 : 2GB or Higher	
Hard Disk	No Special Requirement. 32MB Buffer Product Recommended for 32 Channel Board	
Database	MYSQL, MS-SQL 2005	
Recommended CPU	E6300 or Higher (4~16 Channel Board), E7200 or Higher (32 Channel Board) Minimum CPU : E4500 (4~16 Channel Board), E5200 (32 Channel Board)	
Recommended Main Board	Chipset : G31, G33, P35, G41, G43, G45, P43, P45, P55 Recommended Main Board Manufacturer : Intel, ASUS, GIGABYTE	
Graphic	Graphic Card from ATI Chipset, Intel Onboard Graphic (Recommends Intel Onboard Graphic)	
Compatible Controllers / Readers	Controllers : iTDC Series, ELEVATOR384 Readers : FGR006 Series, RF10, RF20, RF30, RF245	Controllers : LX007 Series, LX505 Series Readers : FGR006 Series, RF10, RF20, RF30, RF245
Compatible DVRs	DVRs : iDVR SMART-MP 4/8/16/32, iDVR GENERAL-MP 4/8/16/32, iDVR SMART-HP 4/8/16/32, iDVR GENERAL-HP 4/8/16/32 DVR Boards : iDVR-M 4/8/16/32, iDVR-H 4/8/16/32	

❖ System Features

- ✚ Event Configuration / Management / Monitoring Features
 - Offers various settings for access control events (Forced door open, Door open alarm, Card event, etc.)
 - In case of access control event occurrence, monitor the beforehand and afterwards video image of the event
 - Real-time monitoring and comparison of the card holder by comparing recorded video image to the registered image.
- ✚ E-Mail and Sound Alert Function
- ✚ Map Function
 - Check the real-time video image using the camera icon
- ✚ Time & Attendance Management
 - Seamlessly prevents proxy attendance by storing the event with the video image
 - Monitor punching in/out information with recorded video image
- ✚ Various Report Features
- ✚ DVR Viewer Function
 - Real-time monitoring of video images from the integrated DVRs using the divided screen (4/8/16 ch)
 - Control of Pan/Tilt camera integrated to the DVR
- ✚ Doors and Various Input Status Monitoring
- ✚ Integration with Elevator Control
 - Using the integration with the elevator control, configure and control the authorization per building floor

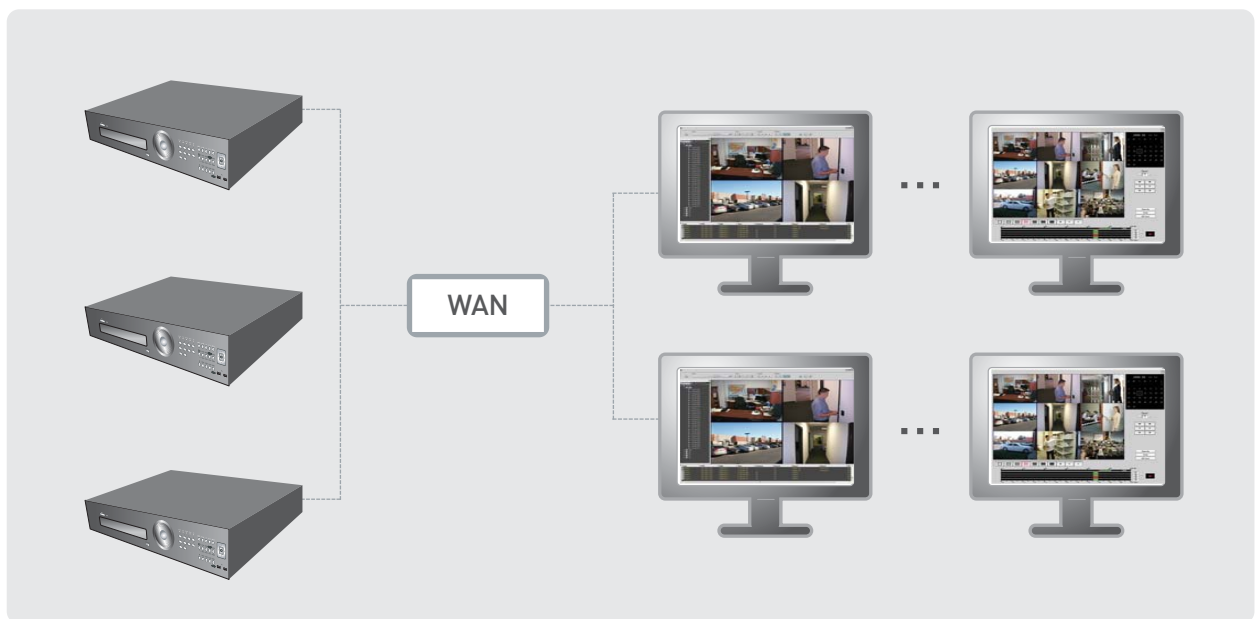


iDWATCH CMS



CMS (Central Monitoring System) is designed to centrally control and monitor the video images that are being recorded from various sites. Integrations with several DVR devices allow the real-time monitoring and management of the video images according to event occurrence.

❖ System Configuration



❖ System Features

- Central management and monitoring of distributed DVR installations
- Management functions for searching the system information and configuring system setting of the remote controlled site
- Confirm and monitor events occurred in the remote controlled site
- Offers E-MAP function
- Remotely controlled camera functions : Pan / Tilt / Zoom / Focus
- Automatic pop-up notification with video image according to event configuration
- Multi-monitor support

STARWATCH ELEVATOR PRO

STARWATCH ELEVATOR PRO is designed to provide a higher level of security by integrating elevator control with access control. This software can be operated independently or added on to the access control management software.



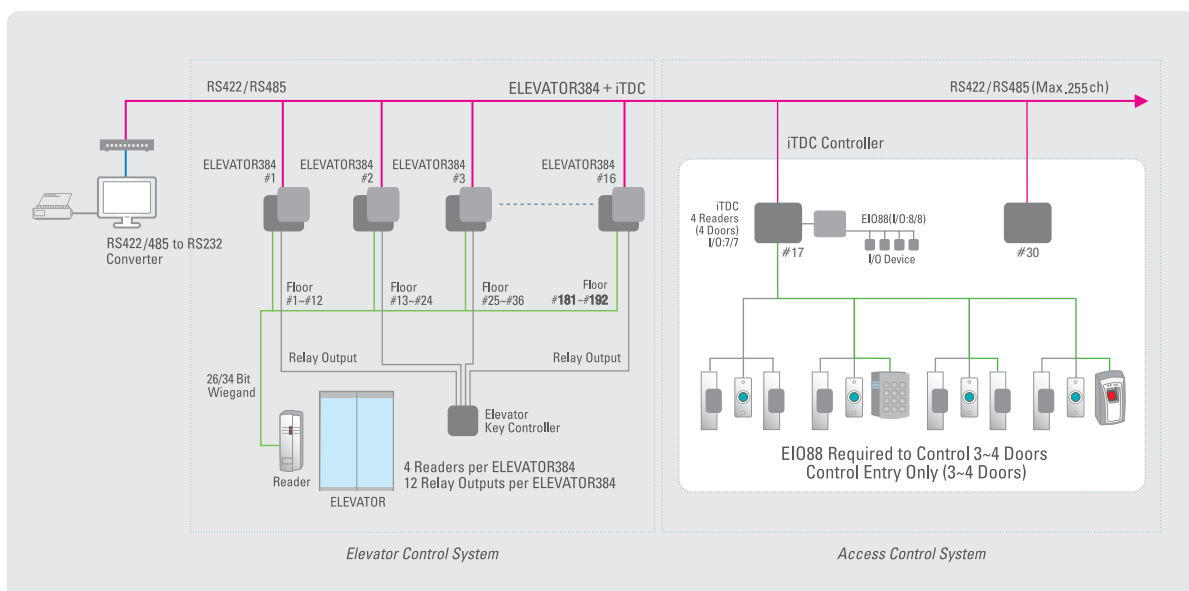
❖ System Requirements

CPU	Pentium 4 or Higher
RAM	1GB or Higher
HDD	20GB or Higher
Operating System	Windows XP Windows 2003 Server * 32 Bit Windows
Compatible Controllers / Readers	iTDC, iTDC-SR, ELEVATOR384, Controllers that are compatible with ENTERPRISE and STANDARD * ELEVATOR384 for Single Operation : STARWATCH ELEVATOR PRO * ELEVATOR384 + iTDC for Integrated Operation : STARWATCH iTDC PRO I/II + ELEVATOR PRO

❖ System Features

- Management software for prohibiting access to restricted area and for monitoring the user record by the elevator floor button authorization setting
- Elevator floor access authorization setting by user
- Elevator floor access authorization record available for reviewing and printing
- Automatic activation and inactivation of elevator floor buttons by pre-configured time schedule of individual users
- Automatic activation and inactivation of elevator floor buttons by pre-configured time schedule of building floors

❖ System Configuration



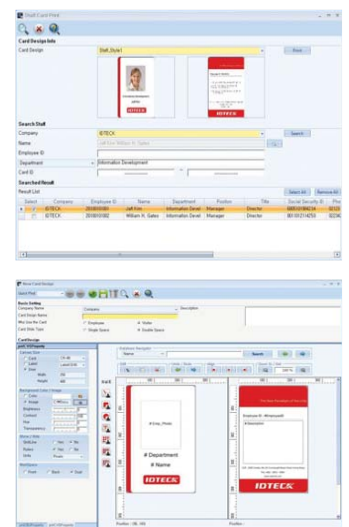
STARWATCH ID BADGING PRO

ID BADGING PRO is an application software for creating, designing and editing identification cards or visitor cards. The software can be integrated with the database of the access control management software (ENTERPRISE / STANDARD) to export the card user information and allows integrations with scanner, webcam, sign-pad and etc. for convenient image insertion and easy card issuing.

❖ System Requirements

	Requirements
Operating System	General Operating System Windows XP / Windows Vista / Windows 7 * 32 Bit Windows Server Operating System Windows 2003 Server *This system does not support Windows 95, 98, ME, 2000 (Professional and Server).
CPU	Pentium 4 Core 2 Duo or Higher
RAM	2GB or Higher
HDD	100GB or Higher
VGA	1024 x 768 or Higher Resolution 65,536 Color (16 bit color) or Higher
CD-ROM	8X or Higher
Database	Microsoft SQL Server 2005/2008 Express Edition (Built-In) Microsoft SQL Server 2005/2008 (Sold Separately)
Compatible Devices	Controllers : Controllers that are compatible with ENTERPRISE, STANDARD Other Devices : Scanner(Compatible with TWAIN), Webcam(Compatible with TWAIN), Sign-Pad(Compatible with Topaz) Printer(Compatible with Fargo)

* All the operating systems / databases are suggested to install the latest service pack and security patch.



❖ System Features

- Easy Card Design Using the Wizard Feature
- Equipped with Advanced Image Editing Tool
- Dual-Side and Various Sizes(Card, Label, Paper) Printing
- Seamless Integrations with Access Control, HR and ERP Database
- Customize User Definable Fields for Additional Information Input
- Captures and Loads Images via Webcam, Sign Pad and Scanner

❖ System Configuration



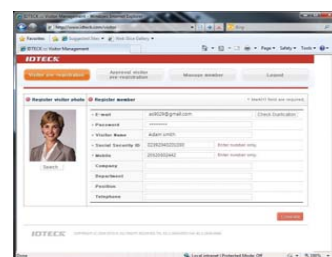
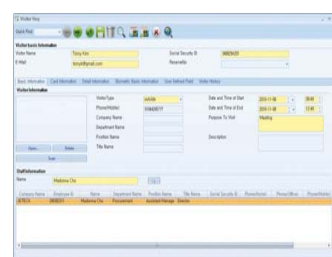
STARWATCH VISITOR MANAGEMENT

Visitor Management is a software for effective management of the visitors. The software can be added on to the access control management software (ENTERPRISE / STANDARD) and it allows administrations of on-site visitors pre-registration of visitors via web for efficient visitor management.

❖ System Requirements

	Requirements
Operating System	General Operating System Windows XP / Windows Vista / Windows 7 * 32 Bit Windows Server Operating System Windows 2003 Server *This system does not support Windows 95, 98, ME, 2000 (Professional and Server).
CPU	Pentium 4 Core 2 Duo or Higher
RAM	2GB or Higher
HDD	100GB or Higher
VGA	1024 x 768 or Higher Resolution 65,536 Color (16 bit color) or Higher
CD-ROM	8X or Higher
Database	Microsoft SQL Server 2005/2008 Express Edition (Built-In) Microsoft SQL Server 2005/2008 (Sold Separately)
Compatible Controller	Controllers that are compatible with ENTERPRISE, STANDARD

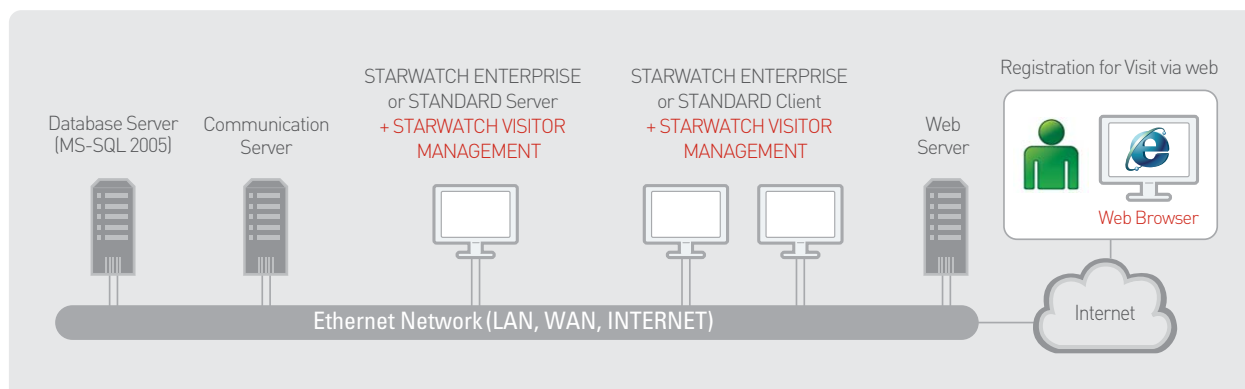
* All the operating systems / databases are suggested to install the latest service pack and security patch.



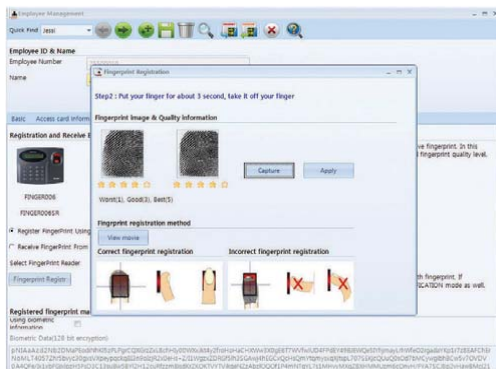
❖ System Features

- Integrations with Access Control System for Effective Visitor Management
- Visitor Access Management, Visitor Information Management, Access Information Tracking, Visitor Record Management
- Pre-Registrations of Visitors via Web and Pre-Approval Feature
- Various Reports and User Defined Reports Generation and Printing
- Notification of Emergency or Important Events for Quick Visitor Accommodation

❖ System Configuration



STARWATCH FINGERPRINT ENROLLMENT PRO



System Features

- Fingerprint registration and fingerprint reader management software
- Easy registration and transmission of fingerprint templates using the wizard function
- Integration with FINGER PRO for registration of fingerprint templates (Supports USB)
- Fingerprint template image and quality evaluation in five levels
- Supports serial and Ethernet communication (Optional external converter required)
- Data export in Text and Excel
- Supports MS-SQL 2005
- Compatible Readers: LX006 Series, FINER006 Series and FGR006 Series

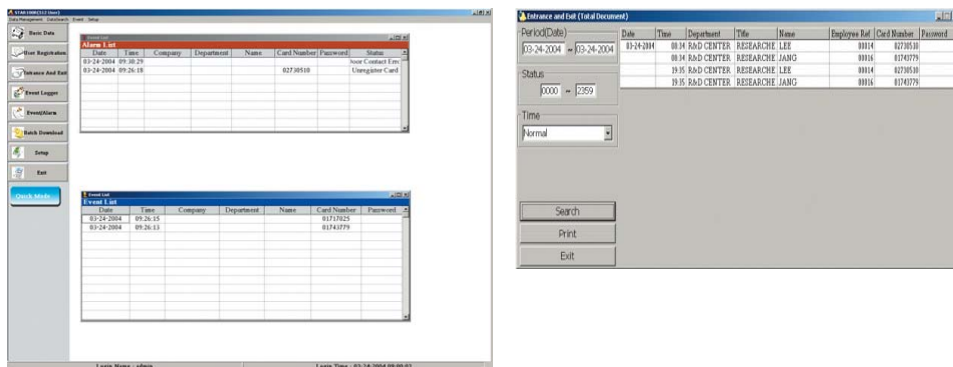
FINGER PRO

System Features

- Registration of fingerprint in connection with STARWATCH FINGERPRINT ENROLLMENT PRO S/W
- Specialized algorithm system and identification for precise recognition
- Fingerprint scanner packed features such as robustness, slim-design and convenience
- Offers USB interface



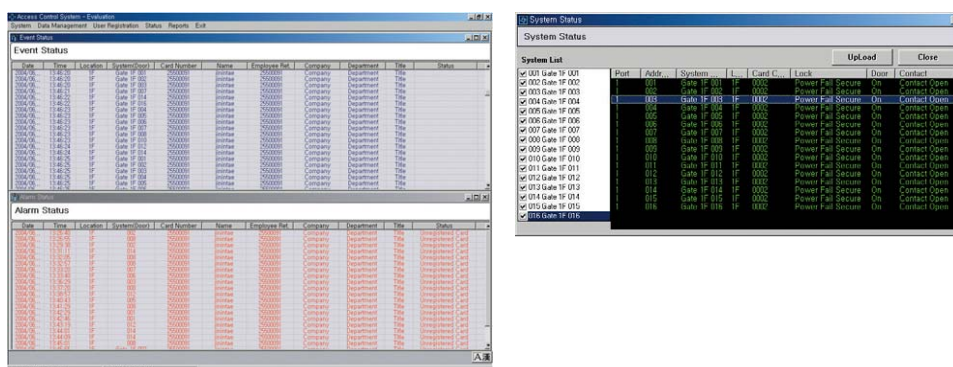
STAR 100R



System Features

- Access control and basic Time & Attendance management software
- Upload and download of card data, lock type, door open time and sensor operation data
- Real-time monitoring of event/alarm
- Data upload and download
- Dynamic report generation (Group, Card, Event Result, Signal)
- Database restoration and backup
- Compatible controller: 100R

STAR RFL200C



System Features

- Upload and download of card data, lock type, door open time and sensor operation data
- Access group management
- Real-time monitoring of event and alarm
- Individual door control and monitoring of door location
- Dynamic report generation (Group, Card, Event Result, Signal)
- Communication status monitoring
- Compatible Controller: RFL200C

SOFTWARE DEVELOPMENT KIT (SDK)

LX INTERFACE SDK

Classification	Details
Composition	LXSDK.OCX
Development Tools	Microsoft Visual Basic 6, Microsoft Visual C++ 6.0
Compatible Devices	LX505, LX505SR, LX007, LX007SR
Contents	Component Files, User Manual, Sample, Sample Source(Visual Basic, VC++ and .Net)

iTDC INTERFACE SDK

Classification	Details
Composition	iTDCINTERFACE.OCX, ALLSTAR.DLL
Development Tools	Microsoft Visual Basic 6.0, Microsoft Visual C++ 6.0, Borland Delphi 6
Compatible Devices	iTDC, iTDC-SR
Contents	Component Files, User Manual, Sample, Sample Source(Visual Basic, Delphi, VC++ and .Net)

STAR INTERFACE SDK

Classification	Details
Composition	STARINTERFACE.OCX, ALLSTAR.DLL
Development Tools	Microsoft Visual Basic 6.0, Microsoft Visual C++ 6.0, Borland Delphi 6
Compatible Devices	505R, FINGER007, iCON100, SR505, FINGER007SR
Contents	Component Files, User Manual, Sample, Sample Source(Visual Basic, Delphi, VC++ and .Net)

STAR BIO READER SDK

Classification	Details
Composition	STARBIOREADER.OCX, ALLSTAR.DLL
Development Tools	Microsoft Visual Basic 6.0, Microsoft Visual C++ 6.0, Borland Delphi 6
Compatible Devices	FGR006, FINGER006, FGR006SR, FINGER006SR
Contents	Component Files, User Manual, Sample, Sample Source(Visual Basic, Delphi, VC++ and .Net)



FINGER PRO SDK

Classification	Details
Composition	NBIOBSP.DLL, NBIOBSPCOM.DLL, NLMGCONV.DLL
Development Tools	Visual Basic 6.0, Visual C++ 6.0, Borland Delphi 6
Compatible Devices	FINGER PRO USB device
Contents	NBioBSP.dll, NBioBSPCOM.dll, NlmgConv.dll, User Manual, Sample files

STAR RFL200C SDK & INTERFACE CONTROLLER

Classification	Details
Composition	STARIFCRFLE.OCX, ALLSTAR.DLL
Development Tools	Microsoft Visual Basic 6.0, Microsoft Visual C++ 6.0, Borland Delphi 6
Compatible Devices	RFL200C
Contents	Component Files, User Manual, Sample, Sample Source(Visual Basic, Delphi, VC++ and .Net)

STAR 100R SDK

Classification	Details
Composition	STAR100R.OCX
Development Tools	Microsoft Visual Basic 6.0
Compatible Devices	100R
Contents	Component File, User Manual, Sample Source (Visual Basic 6.0)

IDTECK COMLIB SDK

Classification	Details
Composition	IDKCOMLIB.DLL
Development Tools	Microsoft, Visual Studios
Compatible Devices	iMDC, iEDC, iTDC, iTDC-SR, iCON100, MAC2000, MAC2000SR, MAC1000, MAC1000SR, LX505, LX505, LX007, LX007SR, LX006, LX006SR, 505R, SR505, FINGER007, FINGER007SR, FGR006, FGR006SR, FINGER006, FINGER006SR, RFL200C
Contents	Component File, User Manual, Sample, Sample Source (VC++, C#)

SERVER/CLIENT COMPARISON TABLE

Software	Difference between Server and Client
STARWATCH ENTERPRISE	• Server : All the menus are configurable • Client : Prohibition in some of the menu configuration (Refer to the information below for prohibition on menu configuration) - System Menu : Device Setting Wizard, Loop Setting Device Setting, Reader Setting, Door Setting, Reader Point of Contact Setting, Input Point of Contact Setting, Output Point of Contact Setting - Device Menu : Device Replacement - Tool Menu : E-Mail/SMS Notification Server Setting, Notification Receiver Setting, Redundant Function
STARWATCH STANDARD	• Server : All the menus are configurable • Client : Prohibition in some of the menu configuration (Refer to the information below for prohibition on menu configuration) - System Menu : Device Setting Wizard, Loop Setting Device Setting, Reader Setting, Door Setting, Reader Point of Contact Setting, Input Point of Contact Setting, Output Point of Contact Setting - Tool Menu : E-Mail/SMS Notification Server Setting, Notification Receiver Setting
STARWATCH ITDC PRO II DUAL PRO II LX ACCESS PRO II	• Server : All the menus are configurable • Client : Prohibition in some of the menu configuration (Refer to the information below for prohibition on menu configuration) - System Menu : Communication Port Setup Wizard, Controller Setting, Biometrics Reader Communication Setting, Door/Reader Setting, Input Point of Contact Setting, Output Point of Contact Setting, Input/Output Point of Contact Time-Schedule, Information Batch Transmission - Database Menu : User Management, User Authority Setting, Event Status Database Storage Selection, Event Status E-Mail Notification Selection, Ethernet Communication Restart Option - Utility Menu : Database Conversion, Setup Information Synchronization, Fingerprint Module Setup Wizard
IDWATCH IAD PRO	• Server : All the menus are configurable • Client : Prohibition in some of the menu configuration except Report/Access Control/Time & Attendance(Refer to the information below for prohibition on menu configuration) - Setup Menu : All the menus except Sound Setting and System End Menu - All of Database Menu - About Menu : Program Information Print Menu - Access Control Menu : Basic Setting, Time-Zone Setting, Time-Schedule Setting, Group Settings for Doors - View Menu : All the menus except Door Status Output and Search Menu - Lift Controller Menu : All the menus except DVR Live Menu
STARWATCH TIME PRO	• Server : All the menus are configurable • Client : Prohibition in some of the menu configuration (Refer to the information below for prohibition on menu configuration) - Setup Wizard Menu : Device Setup Wizard - System Setup Menu : E-Mail/SMS Transmission - T&A Device and Communication Setup Menu : Loop Setting, Device Setting, Reader Setting, Reader Point of Contact Setting
STARWATCH TIME BASIC	• Server : All the menus are configurable • Client : Prohibition in some of the menu configuration (Refer to the information below for prohibition on menu configuration) - Setup Wizard Menu : Device Setup Wizard - System Setting Menu : E-Mail/SMS Transmission - T&A Device and Communication Setup Menu : Loop Setting, Device Setting, Reader Setting, Reader Point of Contact Setting

PRO/BASIC, I/II COMPARISON TABLE

Software	Difference between PRO / BASIC, I/II
STARWATCH iTDC PRO I/II	The difference between iTDC PRO I and II is the distributed installation of management S/W. - iTDC PRO I : Distributed installation not allowed. Operation available in only single PC. (DB: Microsoft Access) - iTDC PRO II : Server/Client distributed installation allowed (DB: Microsoft SQL Server 2005, 1 Server + 20 Clients)
STARWATCH DUAL PRO I/II	The difference between DUAL PRO I and II is the distributed installation of management S/W. - DUAL PRO I : Distributed installation not allowed. Operation available in only single PC. (DB: Microsoft Access) - DUAL PRO II : Server/Client distributed installation allowed (DB: Microsoft SQL Server 2005, 1 Server + 20 Clients)
STARWATCH TIME PRO/ BASIC	TIME PRO (for professional management of T&A) offers configuration of all the menus, but TIME BASIC (for basic T&A only) has restrictions in some of the configuration menu. * Menus that are not provided in TIME BASIC - Shift Management : Shift Setting, Work Time Setting per Shift, Shift Rotation Setting, Monthly Schedule Setting - Report : User Report - T&A Device and Communication Setting : Loop Setting, Device Setting, Reader Setting, Reader Point of Contact Setting

iDWATCH S/W COMPARISON TABLE

Software	Differences of iDWATCH S/W
iDWATCH VIEW PRO	• Applied in large-scale system • Constructed as add on module on the existing software (STANDARD, ENTERPRISE, TIME PRO/BASIC) and cannot be used alone. • DVR can be connected in network (no limit on number of DVR connected) • Provides access control and video surveillance features
iDWATCH IAD PRO I/II	• Applied in medium/large-scale system • DVR can be connected in network (DVR and management S/W separated) : up to 50 DVRs (up to 1,600 cameras) connectable, up to 50 controllers (up to 200 doors) controllable • Offers Server/Client feature • Provides access control and video surveillance features • The difference between iDWATCH IAD PRO I and II is the difference in compatible controller. : Compatible controllers with iDWATCH IAD PRO I : iTDC Series, ELEVATOR384 : Compatible controllers with iDWATCH IAD PRO II : LX007 Series, LX505 Series
iDWATCH IAD BASIC I/II	• Applied in small-scale system • Allows operation with single DVR unit (DVR and management S/W in one) : Up to 32 cameras and 32 doors controllable • Provides access control and video surveillance features • The difference between iDWATCH IAD BASIC I and II is the difference in compatible controller. : Compatible controllers with iDWATCH IAD BASIC I : iTDC Series, ELEVATOR384 : Compatible controllers with iDWATCH IAD BASIC II : LX007 Series, LX505 Series
iDWATCH CMS	• DVRs are connected in network with no limits on number of DVR connectable and supports integrated monitoring via remote control.

STARWATCH SOFTWARE



STARWATCH ENTERPRISE



STARWATCH STANDARD



STARWATCH TIME PRO/BASIC



STARWATCH ELEVATOR PRO



iDWATCH VIEW PRO



iDWATCH IAD PRO/BASIC I/II



STARWATCH DUAL PRO I/II



STARWATCH iTDC PRO I/II



STARWATCH LX ACCESS PRO II



ADVANCED SOFTWARE FEATURES



Offers Variety of Management Software to Meet the Request of the Customers According to the Size of the Installation Site, Application and User



Supports Fault Tolerant System for Stable Performance without System Failure



Distributed System (Database / Communication / Application) Guarantees High Performance and System Stability



Applied 3DES Encryption for Elevated Data Security (Physical / Logical)



Comprehensive Auditing Log and Reporting for Enhanced Administrative Protection



User Defined Integrated Monitoring



Seamless Integrations with Video Surveillance, Fire Alarm, Alarm, BAS, BMS and Other Systems



STARWATCH SOFTWARE GUIDE

Product Name	STARWATCH ENTERPRISE	STARWATCH STANDARD	STARWATCH TIME PRO TIME BASIC	STARWATCH DUAL PRO I	STARWATCH iTDC PRO I	STARWATCH DUAL PRO II	STARWATCH iTDC PRO II	STARWATCH LX ACCESS PRO II
Compatible Controller	iMDC	iTDC Series	iTDC Series	iCON100	iTDC Series	iCON100	iTDC Series	LX505 Series
	iEDC	iCON100	iCON100	FINGER007 Series	ELEVATOR 384	FINGER007 Series	ELEVATOR 384	LX007 Series
		FINGER007 Series	FINGER007 Series	505R Series		505R Series		
		505R Series	505R Series					
		LX007 Series	LX007 Series					
		LX505 Series	LX505 Series					
		MAC1000 Series	MAC1000 Series					
		MAC2000 Series	MAC2000 Series					

General

Server Operating System	Windows 2003 Server	Windows 2003 Server	Windows 2003 Server	Windows 2003 Server	Windows 2003 Server	Windows 2003 Server	Windows 2003 Server	Windows 2003 Server
Client Operating System	Windows XP	Windows XP	Windows XP	Windows XP	Windows XP	Windows XP	Windows XP	Windows XP
	Windows Vista	Windows Vista	Windows Vista	Windows Vista	Windows Vista	Windows Vista	Windows Vista	Windows Vista
	Windows 7	Windows 7	Windows 7	Windows 7	Windows 7	Windows 7	Windows 7	Windows 7
RS232/RS422	YES	YES	YES	YES	YES	YES	YES	YES
Ethernet Communication	YES	YES	YES	YES	YES	YES	YES	YES
Central Alarm Monitoring	YES	YES	YES	YES	YES	YES	YES	YES
Central Database Management	YES	YES	YES	NO	NO	YES	YES	YES
Online Help Support	YES	YES	YES	YES	YES	YES	YES	YES
Multi-Language Support	YES	YES	YES	YES	YES	YES	YES	YES
Redundant Server/Host	YES	NO	NO	NO	NO	NO	NO	NO

System Capacity

Maximum Client	20 Clients	20 Clients	20 Clients	NO	no	20 Clients	20 Clients	20 Clients
Workstation Definable								
Maximum Users - Unlimited - Per Controller	Unlimited	50,000 (iTDC)	50,000 (iTDC)	10,000 (iCON100)	50,000	10,000	50,000	20,000
	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Maximum Readers	255*255*32	255*99*4 (iTDC)	255*99*4 (iTDC)	32*99*2	255*99*4	32*99*2	255*99*4	255*99*2
Supervisory Signal Check	255*255*128	255*99*15 (iTDC)	255*99*15 (iTDC)	32*99*5	255*99*15	32*99*5	255*99*15	255*99*5
Maximum Input Ports								
Maximum Output Ports	255*255*128	255*99*15 (iTDC)	255*99*15 (iTDC)	32*99*5	255*99*15	32*99*5	255*99*15	255*99*5
Maximum Holidays	68*128	15*100 (iTDC)	15*100 (iTDC)	10*32	15*100	10*32	15*100	10*100

Controller Management/Features

Networking Protocols	YES	YES	YES	YES	YES	YES	YES	YES
Self-Diagnostics	YES	YES	YES	YES	YES	YES	YES	YES
Embedded Processor	YES	YES	YES	YES	YES	YES	YES	YES
Maximum Events per Controller	200,000	14,000 (iTDC)	14,000 (iTDC)	26,000 (FINGER007)	14,000	26,000 (FINGER007)	14,000	20,000
Flash Memory	YES	YES	YES	NO	YES	NO	NO	NO
Maximum Readers per Controller	32	4 (iTDC)	4 (iTDC)	2	4	2	4	2
Onboard Ethernet	YES	YES(iTDC/LX007/LX505)	YES(iTDC/LX007/LX505)	YES(iCON100)	YES	YES (iCON100)	YES	YES

Controller Management/Features

Product Name	STARWATCH ENTERPRISE	STARWATCH STANDARD	STARWATCH TIME PRO TIME BASIC	STARWATCH DUAL PRO I	STARWATCH iTDC PRO I	STARWATCH DUAL PRO II	STARWATCH iTDC PRO II	STARWATCH LX ACCESS PRO II
Web Browser Remote Access / Diagnostics	NO	NO	YES[Report Only]	NO	NO	NO	NO	NO
Multi-Format Support	YES	NO	NO	NO	NO	NO	NO	NO
Operating System - Proprietary	Embedded Linux	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary
USB Slot	YES	NO	NO	NO	NO	NO	NO	NO
Redundant Communication	YES	NO	NO	NO	NO	NO	NO	NO
Encrypted Algorithm	3DES	3DES	3DES	3DES	3DES	3DES	3DES	3DES
Peer-to-Peer Communication	YES	NO	NO	NO	NO	NO	NO	NO
Fingerprint Capture	YES	YES	YES	YES	YES	YES	YES	YES

Report Features

Event/Alarm History Report	YES	YES	YES	YES	YES	YES	YES	YES
Tracking and In-Room Report	YES	NO	NO	YES	YES	YES	YES	YES
User Defined Report	YES[Reporting Tool Embedded]	NO	YES[Reporting Tool Embedded]	NO	NO	NO	NO	NO
Excel & PDF Report Format	YES	YES	YES	YES	YES	YES	YES	YES
HTML Report Format	YES	YES	YES	YES	YES	YES	YES	YES
ID/Daily Attendance Report	YES	YES	YES	YES	YES	YES	YES	YES
Monthly/Yearly Attendance Report	YES	YES	YES	YES	YES	YES	YES	YES
T&A Report Preview	YES	YES	YES	YES	YES	YES	YES	YES

Access Control Features

Visitor Management	YES	NO	NO	YES	YES	YES	YES	YES
Duress Mode	YES	YES	NO	YES	YES	YES	YES	YES
Anti-Passback (Zone)	YES	YES	NO	YES	YES	YES	YES	YES
Elevator Management	NO	NO	NO	NO	YES	NO	YES	NO
2 Men Operation	YES	YES	NO	NO	YES	NO	YES	YES
Intercom System Interface	YES	YES	NO	YES	YES	YES	YES	YES
Video Surveillance System Interface	NO	NO	NO	YES	YES	YES	YES	YES
Fire/Alert Alarm System	YES	YES	NO	YES	YES	YES	YES	YES
Integration								
Multi-Access Group	YES	YES	NO	YES	YES	YES	YES	YES
Power Out Alert	YES	YES	NO	YES	YES	YES	YES	YES
Rotating Event Display	YES	YES	NO	YES	YES	YES	YES	YES
Tour Guard Management	YES	NO	NO	YES	YES	YES	YES	YES
Intruder Surveillance Management	YES	YES	NO	YES	YES	YES	YES	YES

User Database

Product Name	STARWATCH ENTERPRISE	STARWATCH STANDARD	STARWATCH TIME PRO TIME BASIC	STARWATCH DUAL PRO I	STARWATCH iTDC PRO I	STARWATCH DUAL PRO II	STARWATCH iTDC PRO II	STARWATCH LX ACCESS PRO II
RDMS Database	Microsoft SQL Server 2005	Microsoft SQL Server 2005	Microsoft SQL Server 2005	Microsoft ACCESS	Microsoft ACCESS	Microsoft SQL Server 2005	Microsoft SQL Server 2005	Microsoft SQL Server 2005
Database Import/Export	YES	YES	YES	YES	YES	YES	YES	YES
Database Partitioning	YES	YES	YES	YES	YES	YES	YES	YES
Search on Any Field	YES	YES	YES	YES	YES	YES	YES	YES
Automatic Card Activation/Deactivation	YES	YES	NO	YES	YES	YES	YES	YES
Supports Card Status (Lost, etc.) Setting	YES	YES	NO	NO	NO	YES	YES	YES
Bulk Card Registration/Deletion	YES	YES	NO	YES	YES	YES	YES	YES
Supports Multiple Card per User	YES	YES	NO	NO	NO	NO	NO	NO
Door Opening Time Setting for People with Disabilities	YES	YES	NO	NO	YES	NO	YES	YES
Audit Trail	YES	YES	NO	NO	NO	NO	NO	NO

Alarm Management

Alarm Notification to the Administrator	YES	YES	NO	YES	YES	YES	YES	YES
Monitoring & Management via Graphic Map	YES	YES	NO	YES	YES	YES	YES	YES
Audible Alarm	YES	YES	NO	YES	YES	YES	YES	YES
E-Mail	YES	YES	NO	YES	YES	YES	YES	YES
Event for Unapproved Alarm	YES	YES	NO	YES	YES	YES	YES	YES
Event Status Monitoring	YES	YES	NO	YES	YES	YES	YES	YES
SMS Service	YES	YES	NO	YES	YES	YES	YES	YES

ID Badging System

Batch Printing Mode	NO	NO	NO	YES	YES	YES	YES	YES
Allows Printing of User Defined Fields	NO	NO	NO	YES	YES	YES	YES	YES
Multiple Badge Template Support	NO	NO	NO	YES	YES	YES	YES	YES
Image Capture/Export	NO	NO	NO	YES	YES	YES	YES	YES

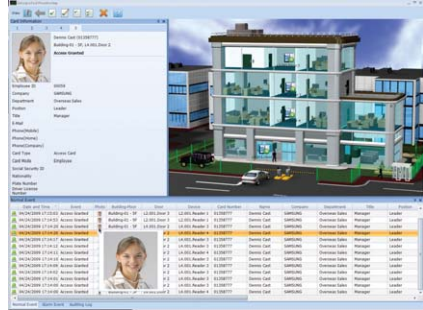
Time & Attendance

Work Time Setting	YES	YES	YES	YES	YES	YES	YES	YES
Work Type Definition	YES	YES	YES	YES	YES	YES	YES	YES
Work Holiday Definition	YES	YES	YES	YES	YES	YES	YES	YES
T&A Reader Group Definition	YES	YES	YES	YES	YES	YES	YES	YES
Shift T&A	NO	NO	YES	NO	NO	NO	NO	NO
Break Time Definition	NO	NO	YES	YES	NO	YES	NO	YES
Function Key Definition	NO	NO	YES	YES	NO	YES	NO	YES
Meal Time Management	NO	NO	YES	NO	NO	NO	NO	NO
Overtime Work Management	YES	YES	YES	NO	NO	NO	NO	NO

Others

Data Import/Export	Import	Import	Import	Import	Import	Import	Import	Import
3rd Party Biometrics Device Support	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand
3rd Party Iris Scan Device Support	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand
3rd Party SMART Card Device Support	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand	YES, Wiegand

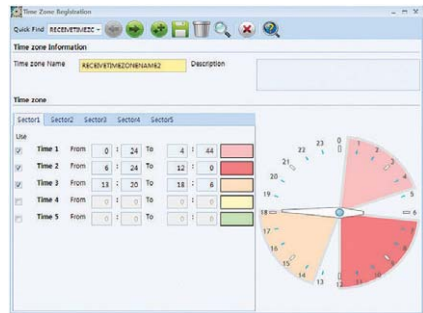
STARWATCH SOFTWARE



STARWATCH ENTERPRISE

A professional Access Control management S/W suitable for large-scaled sites and areas, where high level of security and efficient management is required.

- * Compatible Devices
 - Controller : iMDC-MAIN, iEDC
 - Reader : MAC1000 Series, MAC2000 Series



STARWATCH STANDARD

A professional Access Control + Basic Time & Attendance management software, which can be integrated with various devices (iTDC Series, iCON100, FINGER007 Series, 505R Series, LX Series).

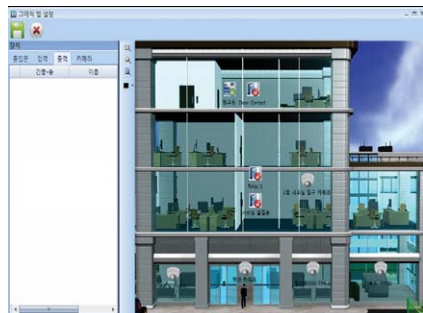
- * Compatible Devices
 - Controller : iTDC Series, iCON100, 505R Series, FINGER007 Series, LX505 Series, LX007 Series, MAC1000 Series, MAC2000 Series



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

IDTECK management software (Access Control + Basic Time & Attendance) series are steady-selling security management software guarantees high performance with affordable cost.

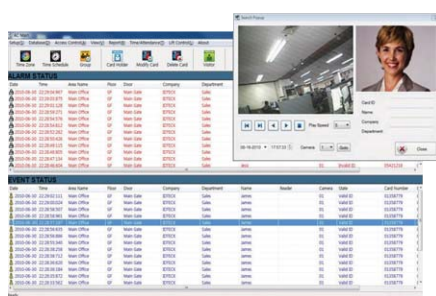
- * Compatible Devices
 - Controller - STARWATCH DUAL PRO I/II : iCON100, FINGER007 Series, 505R Series
 - STARWATCH iTDC PRO I/II : iTDC Series, ELEVATOR384
 - STARWATCH LX ACCESS PRO II : LX505 Series, LX007 Series



iDWATCH VIEW PRO

Integrated security management software, which can be added on to Access Control software (ENTERPRISE, STANDARD, TIME PRO, TIME BASIC) for video surveillance integration.

- * Compatible Devices
 - Controller : Controllers that are compatible with ENTERPRISE, STANDARD, TIME PRO, TIME BASIC
 - DVR : iDVR-MP 4/8/16/32, iDVR-HP 4/8/16/32, iDVR-M 4/8/16/32, iDVR-H 4/8/16/32
- * Can be used as expansion module (add-on) to STARWATCH ENTERPRISE, STANDARD, TIME PRO, TIME BASIC



iDWATCH IAD PRO I/II

An advanced integrated security software for access control and video surveillance, which can be networked together (Distributed installation of DVR and management software) to be used in multi-sites.

- * Compatible Devices
 - Controller - IAD PRO I : iTDC Series, ELEVATOR384
 - Controller - IAD PRO II : LX007 Series, LX505 Series
 - DVR : iDVR SMART-MP 4/8/16/32, iDVR GENERAL-MP 4/8/16/32, iDVR-M 4/8/16/32, iDVR SMART-HP 4/8/16/32, iDVR GENERAL-HP 4/8/16/32, iDVR-H 4/8/16/32



iDWATCH IAD BASIC I/II

An advanced integrated security software for access control and video surveillance suitable for standalone operation in small-scaled business.

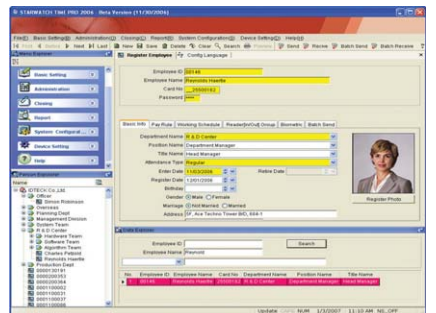
- * Compatible Devices
 - Controller - IAD PRO I : iTDC Series, ELEVATOR384
 - Controller - IAD PRO II : LX007 Series, LX505 Series
 - DVR : iDVR SMART-MP 4/8/16/32, iDVR GENERAL-MP 4/8/16/32, iDVR-M 4/8/16/32, iDVR SMART-HP 4/8/16/32, iDVR GENERAL-HP 4/8/16/32, iDVR-H 4/8/16/32



iDWATCH CMS

Multi-functional management system for centrally monitoring the video images that are being recorded from various sites.

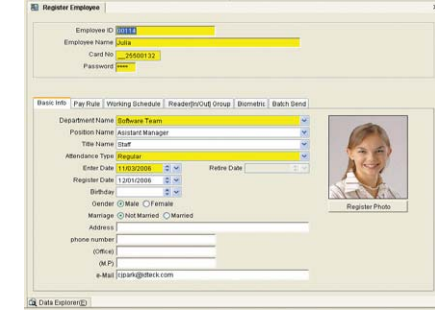
- * Compatible Devices
 - DVR : iDVR SMART-MP 4/8/16/32, iDVR GENERAL-MP 4/8/16/32, iDVR-M 4/8/16/32, iDVR SMART-HP 4/8/16/32, iDVR GENERAL-HP 4/8/16/32, iDVR-H 4/8/16/32



STARWATCH TIME PRO

A professional Time & Attendance management software, which supports various work time rules such as multi-shift management, overtime and other complicated work rules.

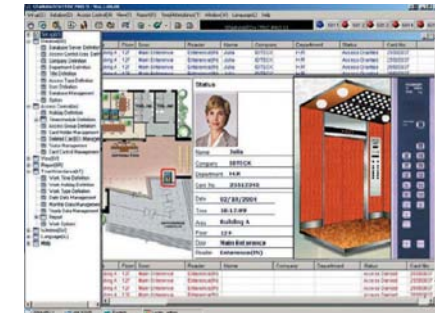
- * Compatible Devices
 - Controller : iTDC Series, iCON100, 505R Series, FINGER007 Series, LX505 Series, LX007 Series, MAC1000 Series, MAC2000 Series



STARWATCH TIME BASIC

Basic Time & Attendance software, offers management of attendance, overtime and other Time & Attendance managements.

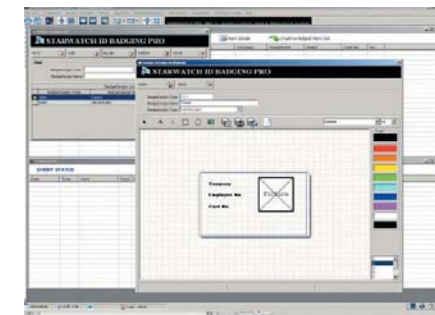
- * Compatible Devices
 - Controller : iTDC Series, iCON100, 505R Series, FINGER007 Series, LX505 Series, LX007 Series, MAC1000 Series, MAC2000 Series



STARWATCH ELEVATOR PRO

Convenient management software that allows higher level of security as the elevator system is integrated with the Access Control system. (Add on Module or Single Operation)

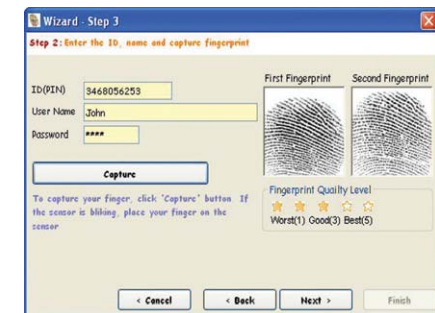
- * Compatible Devices
 - Controller : ELEVATOR384, iTDC Series
- * Can be used in standalone or expansion module (Add on) to STARWATCH iTDC PRO I/II.



STARWATCH ID BADGING PRO

Management software, which supports ID badge graphic design and printing. (Add-on Module)

- * Compatible Devices
 - Controller : Controllers that are compatible with STARWATCH iTDC PRO I/II, DUAL PRO I/II, LX ACCESS PRO II
- * Can be used as expansion module (add-on) to STARWATCH iTDC PRO I/II, DUAL PRO I/II, LX ACCESS PRO II



STARWATCH FINGERPRINT ENROLLMENT PRO

Management software for Fingerprint registration

- * Compatible Devices
 - Reader : FGR006 Series, FINGER006 Series, LX006 Series, FINGER PRO (Hamster)