



viasec

STARWATCH PRO SOFTWARE

STARWATCH is viasec exclusive access control and facility management Software with PC based and Multi-user server / client operations. It has modulated and seamlessly integrated CCTV Video Surveillance, Elevator control, ID Badge printing, and visitor management as well as Time & Attendance. It also provides full access control features with user defined alarm graphic map, drag and drop alarm icons, as well as 6 multiple languages and a conversion table for language localization.

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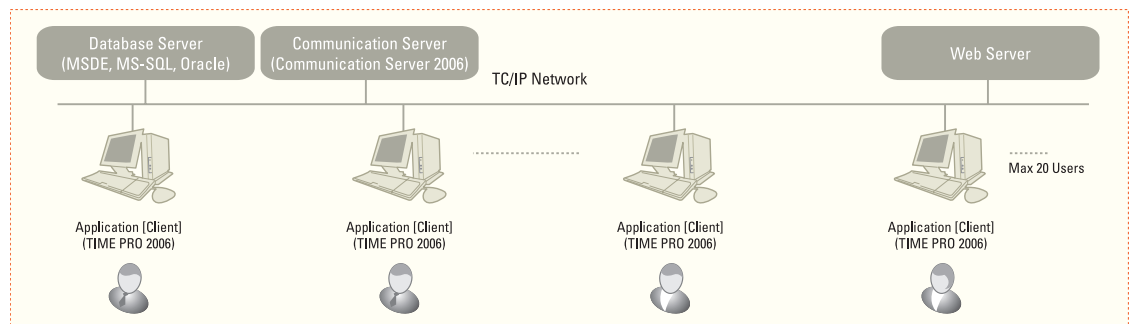
Professional Time & Attendance Software

STARWATCH TIME PRO 2006

STARWATCH TIME PRO 2006 is professional time & attendance software that effectively manages most possible work rules and conditions such as multi-shift, complicated overtime work rules and more.

- I. STARWATCH TIME PRO 2006 SQL : Microsoft MSDE, SQL Server Edition
- II. STARWATCH TIME PRO 2006 Oracle : Oracle Edition

System Configuration (3-Tier)

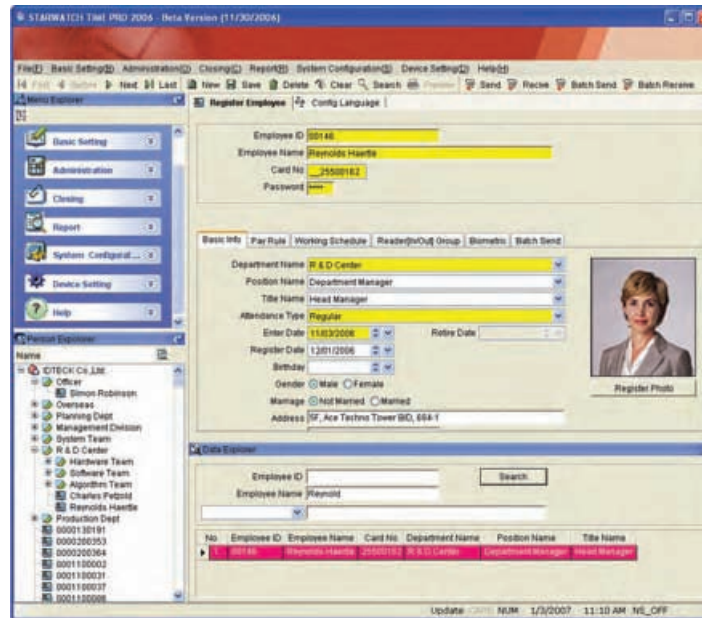


* STARWATCH TIME PRO 2006 supports 3-Tier structure. (3-Tier structure : Application / Database / Communication Server)

Comparison Table

	STARWATCH TIME PRO 2006	STARWATCH LX ACCESS PRO II
Database	MSDE, Microsoft SQL Server 2000, Oracle 10g	MSDE, Microsoft SQL Server 2000
Server / Client	1 Server + 20 clients	1 Server + 20 clients
Structure	3-tier	2-tier
Main Function	Time & Attendance Application	Access Control Application with basic Time & Attendance
Computer Requirement	Pentium-4 or higher Memory : 512M or higher HDD : 20G or higher	Pentium-4 or higher Memory : 512M or higher HDD : 20G or higher
Compatible Controller & Reader	Single Door Controller : LX505, LX007, 505R, FINGER007 iCON100, FGR007, LX505SR, LX007SR, SR505, FINGER007SR, FGR007SR Fingerprint Reader : LX006, FINGER006, FGR006 FINGER006SR, FGR006SR	Single Door Controller : LX505, LX007, LX505SR, LX007SR Fingerprint Reader : LX006

STARWATCH LX ACCESS PRO II S/W is required separately when LX505, LX007 is used for Access Control purpose



▪ Design your own window layout and personalize language and terms on the screen

- User-designed screen image and company logo on its windows
- Multi language support : English, Spanish, Portuguese, Italian, French, Korean, Chinese, Japanese, Arabic, Russian
- User's own language and words conversion

▪ Online help and effective search

- Online help to provide immediate answers
- Person Explorer to provide one click search by person's name
- Data Explorer to provide one click search by data name

▪ User-oriented system configuration and options

- User-addible configuration of work type, code, reports etc and convenient options of auto closing, SMS/Email delivery options and more
- User defined payroll options (Daily, Weekly, Bi-Weekly, Semi-monthly, Monthly)

▪ Powerful administration functions

- Effective management of employee info, shift work setting, attendance exception setting, work schedule adjustment, etc
- Convenient modification for abnormal time and attendance data

▪ Dynamic reports and data connection

- User-designed report format by date, attendance code, closing result, event content, etc
- Export the report in various formats and database connection to integrate with other systems
- Report design tool "Crystal Report 10" is required For use of user-designed report

▪ Extremely easy Setup Wizard for initial configuration

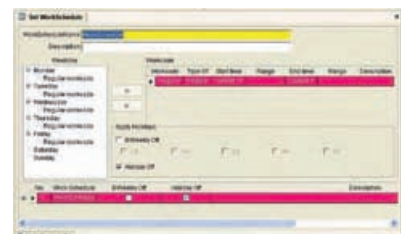
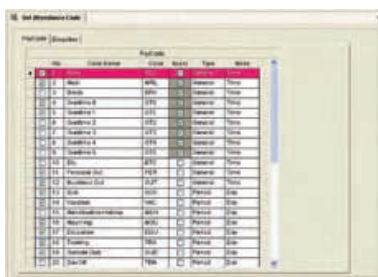
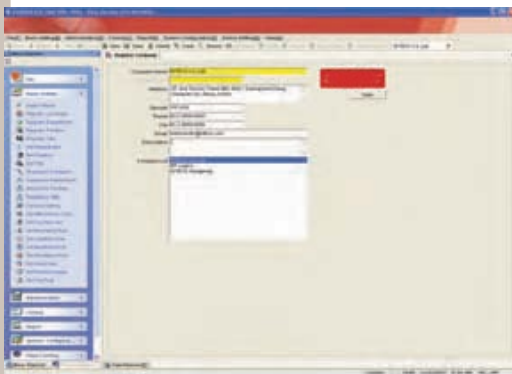
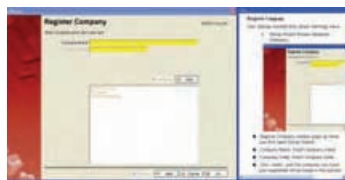
- Step by step initial settings and data input via Setup Wizard

BASIC SETTING

Menu for easy data creation of initial information

KEY Features

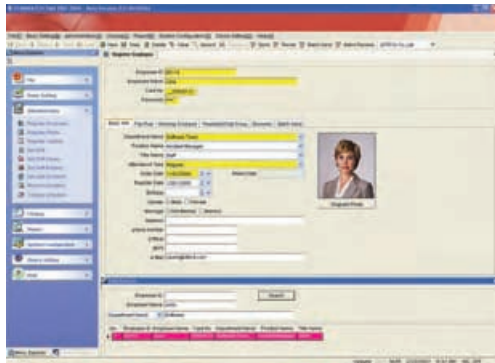
- A to Z step by step easy data creation with Setup Wizard
- Using function key :
 - 12 User defined function Keys for punch in/out, meal, break, going-out, etc
- Auto Closing : automatic closing process at a defined time everyday and time and attendance data reporting via E-mail or SMS
- Definition of payable and payless for each code
- Configuration of early punch-in / overtime with complicated pay rules
- Options of payable or payless for the mealtime / break time
- Options of Regular / Flexible / Free punch in and out
- Work schedule creation :
 - Application of different work codes for each day of the week
 - Application of different off days for each day of the week
 - Multiple work codes per each day for multiple shift
- Setup Wizard, Register Company, Register Department, Register Title, Set Department, Set Position, Set Title, Sequence Company, Sequence Department, Sequence Position, Sequence Title, General Setting, Set Attendance Code, Set Function Key, Set Rounding Rule, Set Mealtime Rule, Set Breaktime Rule, Set Work Code, Set Work Schedule, Set Pay Rule



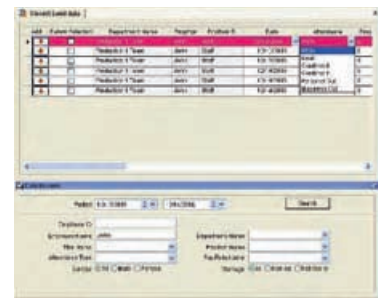
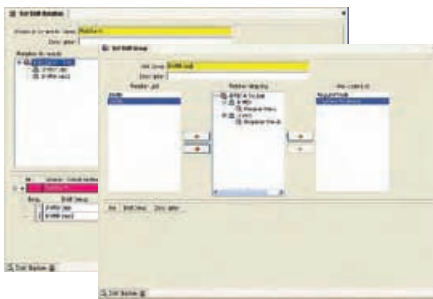
ADMINISTRATION

Administrative functions for time & attendance management

KEY Features

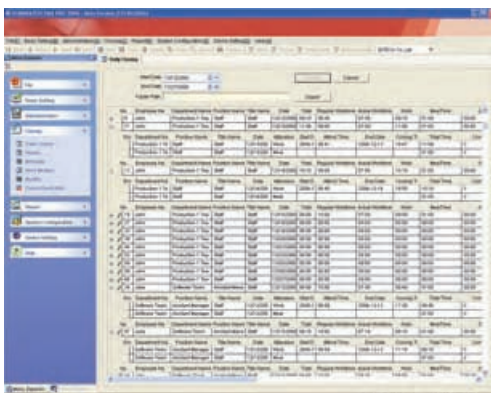


- Employee information management - Basic personnel info, Pay rule, Work schedule, Reader Group, Biometric data
- Set Shift Schedule - Various shift schedules programmable
Shift groups for each day programmable
- Shift rotation for each period
- Holiday assignment to each day of the week and rotation periods program
- Management by pattern to create a shift group
- Member change of a shift group for a certain day
- Register Employee, Register Retire, Register Holiday, Set Shift, Set Shift Group, Set Shift Rotation, Set Shift Schedule, Receive Exception, Change Schedule



CLOSING

KEY Features

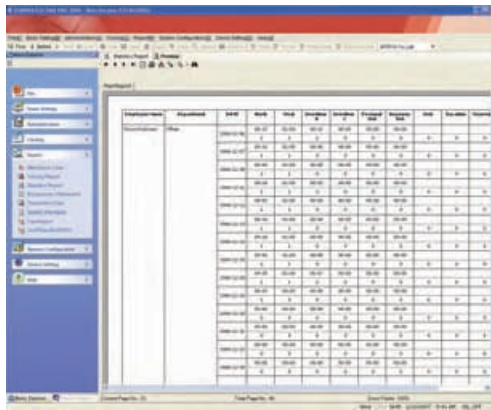


- Daily / Weekly / Bi weekly / Semi monthly / Monthly Closing
- Closing management of Time & Attendance data on the web browser
- Daily Closing, Weekly, Biweekly, Semi Monthly, Monthly, Correct Event data

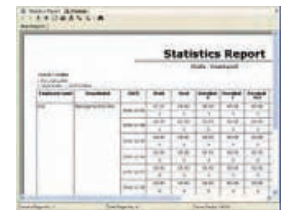
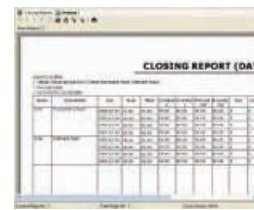
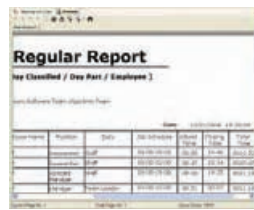
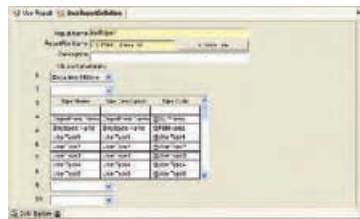
Report

Various attendance reports to review and to print

KEY Features



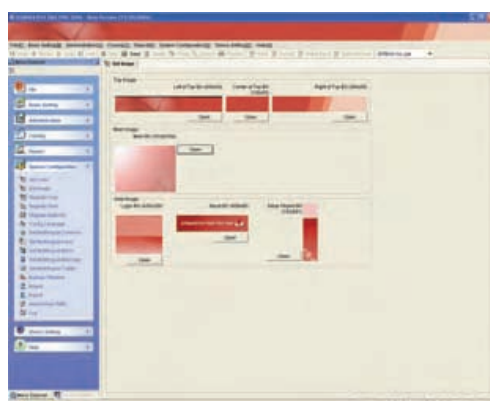
- Able to print various attendance reports by code
- Reports on the web browser to review and to print
- Able to add your own reports besides the preset reports
- Attendance Code, Closing Report, Statistics Report, Suspension/Retirement, Transaction Data, System Information, User Report, User Report Definition



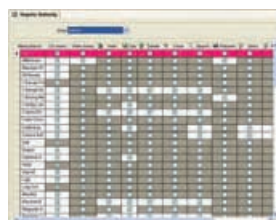
SYSTEM CONFIGURATION

Menu for system personalization

KEY Features

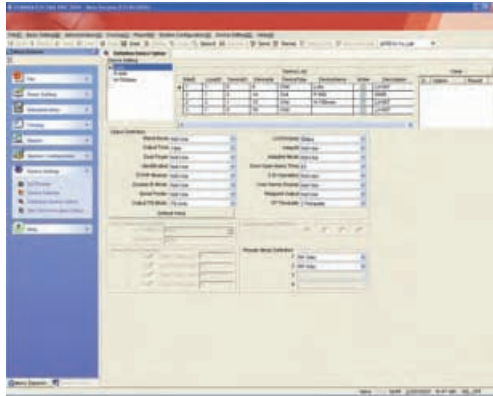


- Set Image : user designed skin to TIME PRO 2006 applying user's image for the Title area, Background, Setup wizard background and more
- Manual Database Backup / Restore and automatic and periodic data back up
- Management log history review: administration's log-in / log-out status, user registration, deletion, modification, transmission and more
- Powerful user authority management
- Set Color, Set Image, Register User, Register Role, Register Authority, Config Lanuage, Set Multilingual Common, Set Multilingual Form, Set Multilingual Menu, Set Multilingual Message, Set Multilingual Tooltip, Backup/Restore, Import, Export, Send Email/SMS, Log



DEVICE SETTING

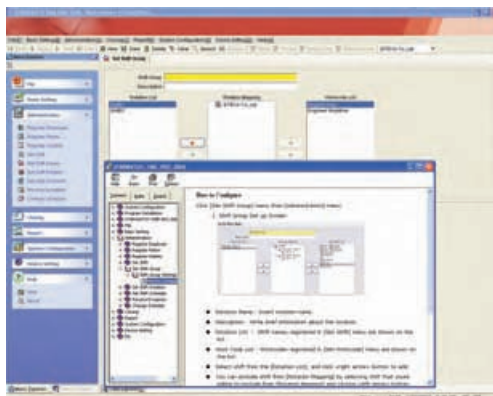
KEY Features



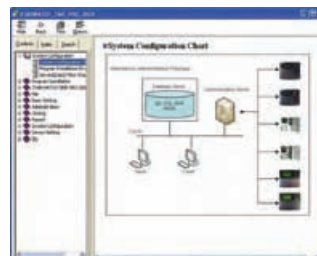
- Reader settings / device initialization
- Current communication status monitoring and command to connect /disconnect the communication.
- Set Reader, Device Initialize, Definition Device Option Set Communication Status

HELP

KEY Features



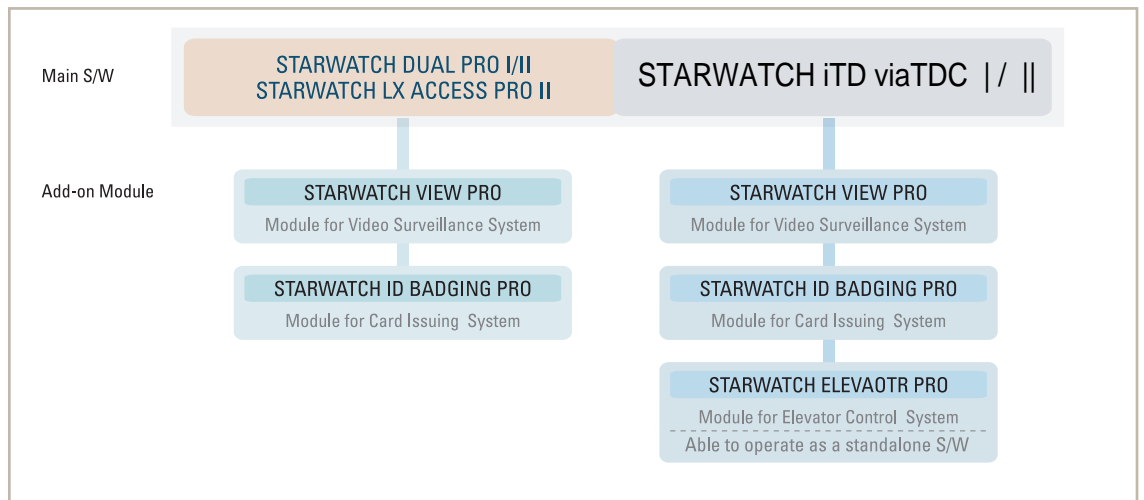
- Effective Online Help with F1 function key to provide immediate answers
- Help, About



Access Control and Time & Attendance Software

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

Structure of STARWATCH Software



Comparison Table

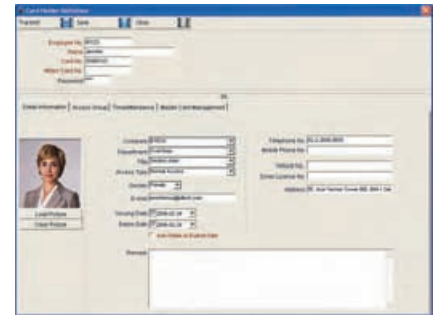
	STARWATCH DUAL PRO I / ViaTDC PRO I	STARWATCH DUAL PRO II / ViaTDC PRO II / LX ACCESS PRO II
Database	Microsoft Access	Microsoft SQL Sever 2000, MSDE
Sever / Client support	N/A	1 Server + 20 Client*
Computer Requirement	CPU: Pentium-4 or Higher MEMORY : 256M or Higher HDD : 10G or Higher	CPU: Pentium-4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

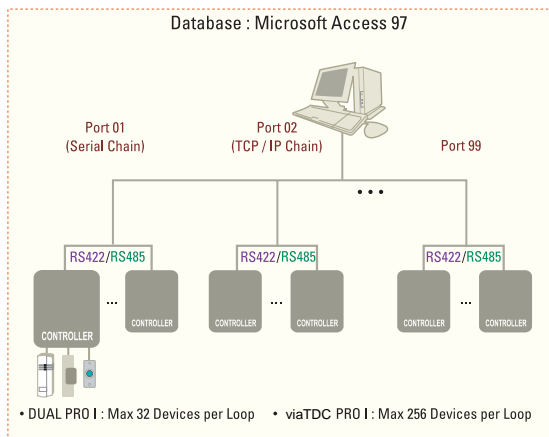
- **Operating system**
 - Microsoft Windows 2000 (Professional, Server), Microsoft Windows XP (Home, Professional), Microsoft Windows 2003 Server
- **Powerful network support**
 - Multi port support
 - TCP/IP, serial and dial-up communication available
 - Remote server and client support
- **Multi language 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

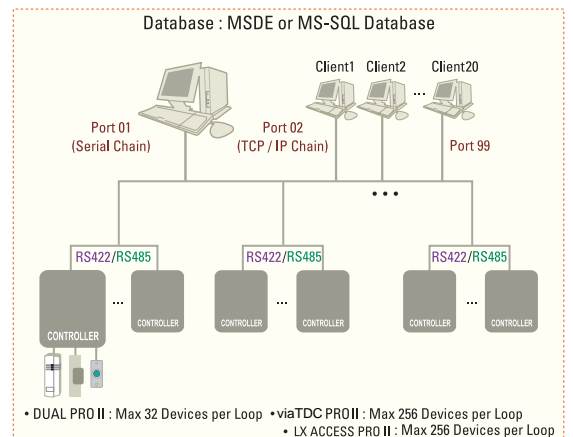
STARWATCH DUAL PRO I / II	- Single door controller : 505R, FINGER007, FACE007, iCON100, SR505, FINGER007SR, FACE007SR, iCON100SR - Fingerprint reader : FINGER006, FGR006, FINGER006EX, FGR006EX, FINGER006SR, FGR006SR - Facial recognition reader : FACE006, FACE006EX, FACE006SR
STARWATCH ViaTDC PRO I / II	- 2/4 door controller : ViaTDC, ViaTDC-SR - Elevator controller : ELEVATOR384 - Fingerprint reader : FINGER006, FGR006, FINGER006EX, FGR006EX, FINGER006SR, FGR006SR - Facial recognition reader : FACE006, FACE006EX, FACE006SR
STARWATCH LX ACCESS PRO II	- Single door controller : LX505, LX007, LX505SR, LX007SR - Fingerprint reader : LX006

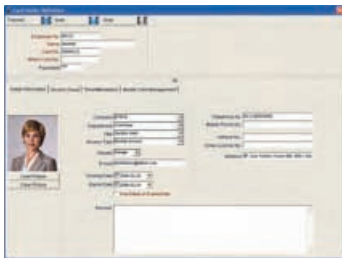
System Configuration

STARWATCH DUAL PRO I / ViaTDC PRO I



STARWATCH DUAL PRO II / ViaTDC 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

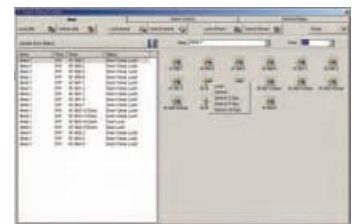
Time & Attendance

- 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.)



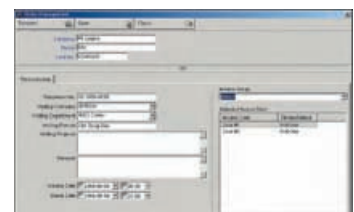
Guard Tour

- 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



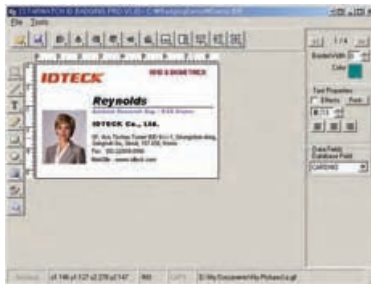
ID Badge Graphic Design printing Software

STARWATCH ID BADGING PRO



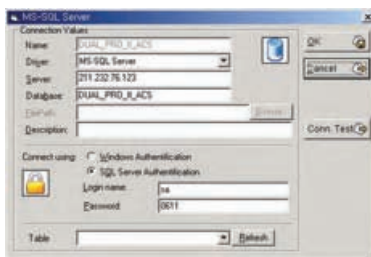
Key Features

- Easy to be added on access control system software ViaTDC PRO I / II, DUAL PRO I / II, LX ACCRSS PRO I / II)
- Compatible with various card printer such as Eltron and Fargo etc.
- Easy card design tool
- Batch card issuing available based on database
- Print preview
- Image capturing from PC camera, Digital camera and Scanner
- Card issuing history report



Main Screen

- Image drawing tool
- Able to edit images
- Assorted line and font editing tool
- Database field integration management
- Print



Database Configure Screen

- Configure database to integrate with current system
- Compatible with Microsoft Access Database and MS-SQL Server

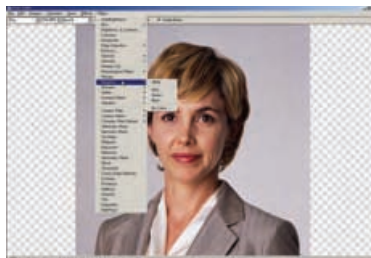


Photo Editor

- Able to edit various type of pictures
- Able to import pictures from digital device such as digital camera, PC, Scanner, etc.
- Special Effects and filtering possible
- Assorted editing tool

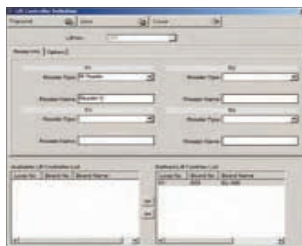
Elevator Control & Monitor Software

STARWATCH ELEVATOR PRO



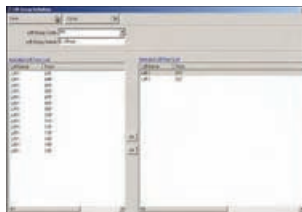
Key Features

- Apply time schedule to reader
- Restriction on using Elevator about user and visitor
- Direct control on Elevator by Software
- Report of the present condition on visitor's use of elevator
- Elevator user report, Elevator event report
- Compatible with ELEVATOR384, RF10, RF20, RF30, RFK101, RF TINY



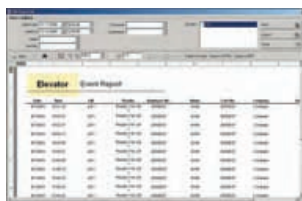
Elevator Controller Definition

- Elevator controller definition sets ELEVATOR384 controller which will be integrated with elevator. In this setting, you may configure available option for all proximity readers and biometric readers
- Each ELEVATOR384 controls up to 12 floors. For building with more than 12 floors an additional ELEVATOR384 is needed



Elevator Access Group Definition

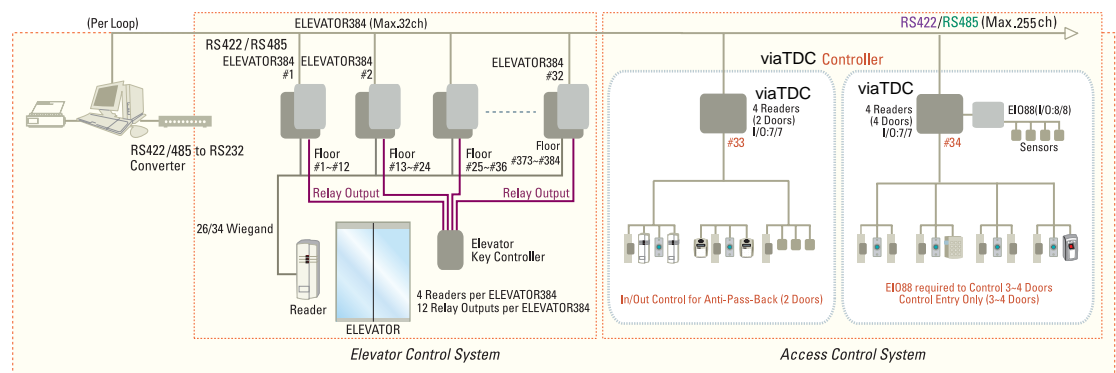
- Elevator Access Group Definition is to provide floor access authorization to users
- Various Access groups can be set for different access options



Elevator Event History Report

- Event history all users may be seen or printed
- Report may be exported in various of format such as PDF, HTML, XLS. Exported reports may be transferred to other persons via internet. You may also save data by exporting to Excel file

ELEVATOR384 Configuration



Video Surveillance Integrated with Access Control System

STARWATCH VIEW PRO



Key Features

- Video monitoring and management function integrated with access control system
- Easy to be added on access control system software (ViaTDC PRO I / II, DUAL PRO I / II, LX ACCESS PRO I / II)
- Supports DVR, Web Server and Web Camera
- Multi monitors support (16ch per each Monitor)
- Sequential view available
- Access control event and video image (Jpeg, Avi file) cooperated to provide high security
- Record user defined pre-alarm recording time
- Support various kinds of DVR, Web camera
- Support up to 30fps per each channel (Depends on DVR or Web Server)
- Supports PTZ device
- Support full duplex sounds
- Support Web for remote control and monitoring
- Able to set up for frame rate, compression, resolution, motion detection area, etc
- Easy configuration with Auto search function for LAN connected machine
- User defined map and camera display
- Protection by ID/Password



Main Surveillance Screen

- Multi-channel display (1,2,4,6,8,9,12 and 16ch. monitoring available)
- Continuous surveillance
- Event Log display, Event Map Display
- Records images when events occur
- Real-time Surveillance screen

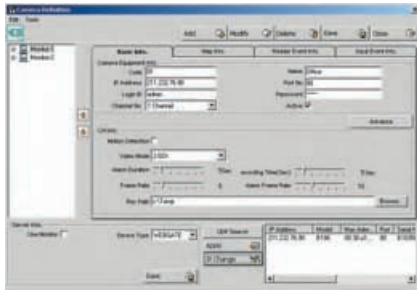


Integrated Monitor Screen

- Displays event logs from access control units
- Displays map including controllable icons such as cameras, doors, and sensors
- Pop up screen which shows location with a real-time image appears when event occurs
- Displays recorded image logs
- Real-time surveillance screen

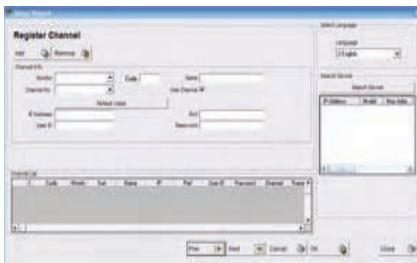


Fingerprint Module Software



View Pro Player

- Control playing speeds (0.5x, 1x, 2x, 4x)
- Reverse playing possible
- Supports continuous play mode
- Able to export to image or video files (Jpeg, Avi file)



Camera Definition

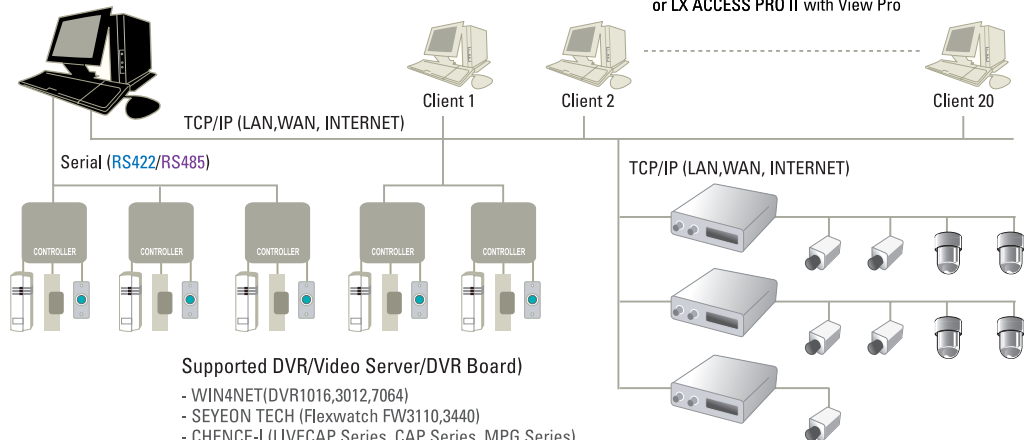
- Multi monitor Setting
- DVR or web server selection (Win4Net, viasec, Seyeon tech)
- Auto IP detection for connected device
- PTZ and Full duplex sound setting
- Able to set various recording options according to type of event
- Map file setting including camera
- Step by step initial settings and data input via Setup Wizard

System Configuration

STARWATCH VIEW PRO

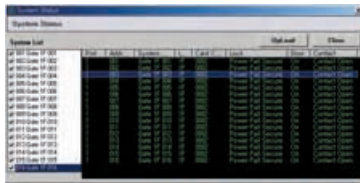
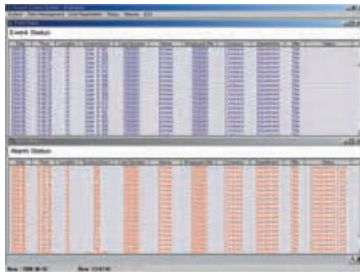
(Required STARWATCH DUAL PRO I,II or viaTDC PRO I,II or LX ACCESS PRO II)

Max 20 clients can be supported in case of DUAL PRO II or viaTDC PRO II or LX ACCESS PRO II with View Pro



STAR RFL200C PRO

STAR 100R PRO

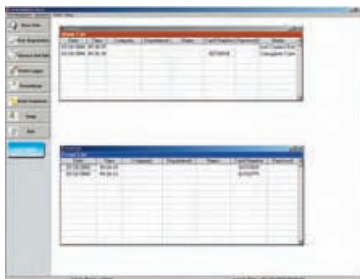
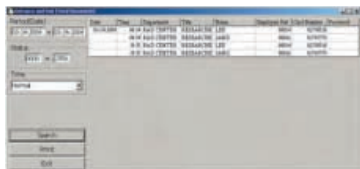


STAR RFL200C PRO

- STAR RFL200C: Compatible with RFL200C
- Database: Microsoft Access 2000
- Operating System: Windows 2000 (Professional, Server)
Windows XP (Home, Professional)
- Hardware: Pentium 4, 256MB RAM, 4G HDD or higher

Key Features

- Upload/Download IDs, Lock Type, Door Open Time, Sensors
- Access Group Management
- Real Time Monitoring of Events and Alarm
- Individual Door Control and Monitoring Door Status
- Reports: Group, IDs, Events and Alarm
- Reports Export to MS-Excel or Text file Format
- Communication Monitoring
- Language Support : English



STARWATCH 100R PRO

- Compatible with 100R, IP100R
- Database: Microsoft Access 97
- Operating System: Windows 2000 (Professional, Server)
Windows XP (Home, Professional)
- Hardware: Pentium 4, 256MB RAM, 4G HDD or higher

Key Features

- Upload/Download IDs, Lock Type, Door Open Time, Sensors
- Time & Attendance Management
- Real Time Monitoring of Events and Alarm
- Batch Upload/Download
- Reports: Group, IDs, Events and Alarm
- Reports Export to MS-Excel or Text file Format
- Database Backup/Restore
- Language Support: English

STARWATCH FINGERPRINT ENROLLMENT PRO 2006

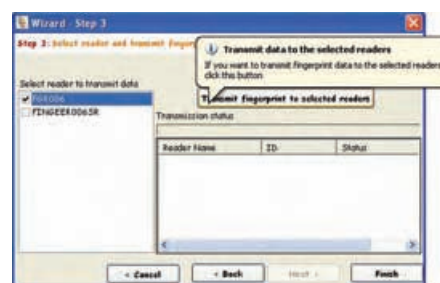
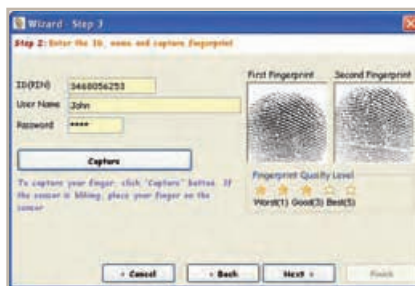
STARWATCH FINGERPRINT ENROLLMENT PRO 2006 is fingerprint data software which provides easy User Interface for sending/receiving fingerprint templates. FINGER006, FINGER006SR, FGR006 and FGR006SR are supported. Hamster, USB fingerprint scanner is also supported.

It's suitable for being used as separate S/W with a third party controller.

In case of using an integrated S/W, viasec provides STAR BIO READER SDK or Hamster SDK.

KEY Features

- Easy registration and transmission of fingerprints templates using Wizard software
- Able to view fingerprint image during the registration using Hamster, USB fingerprint scanner
- Fingerprint quality check
- Supports Serial Communication, TCP/IP Communication (optional external converter needed)
- Able to observe the status of fingerprint data transmission using a separate window
- No need to go through complex data entry process
- Supports Text, Excel data export
- Server / Client support
- Compatible Hardware: FGR006 / FGR006EX / FGR006SR
FINGER006 / FINGER006EX / FINGER006SR / IP-FGR007HA



PC BASED FINGERPRINT RECOGNITION SYSTEM

It is a fingerprint registration and recognition system using PC(s) with fingerprint device. Versions include Single User, Client/Server or Web Server depending on the kind of application(s) used and the scale(s) of utilization.

Key Features

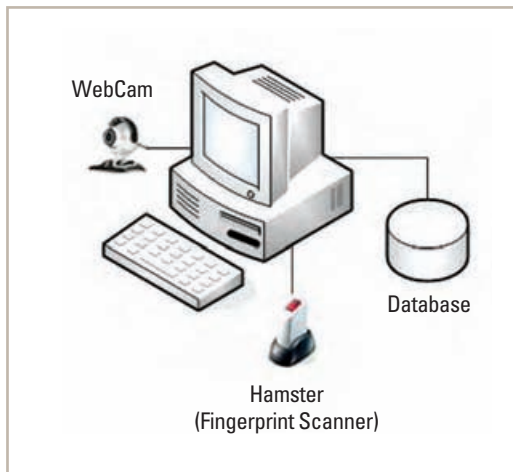
- 1) Extension
 - No limit on the number of registered persons in the case of 1:1 verification
 - Supports MSSQL, Oracle, Access etc.
 - Supports a number of different system configurations (Single, Client/Server)
 - Supports various applications
 - Easy integration with the existing system
- 2) Facilities
 - Easy registration and recognition
 - Fast reading time
 - No need to carry Personal RF card, Membership card, Entrance card
 - Up to 50,000 (1:N Identification)
- 3) High Security
 - Achieve higher security through various limitation of each administer ID
 - Able to search or print out fingerprint and facial information stored
 - Systematic report on attempt and details of authentication

Applications

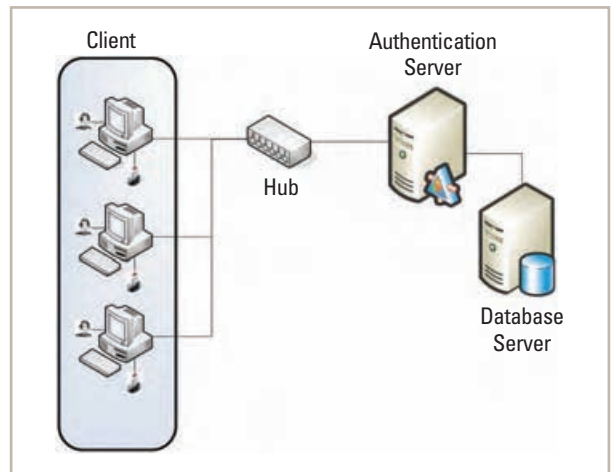
- Banking and financial system security
- Security for PCs and networks
- E-commerce
- Medical information system
- Other security fields needed for user authentication (SSO, CRM, Electronic settlement of accounts, etc)



Single User Configuration



Server / Client Configuration



FINGERPRINT SCANNER

HAMSTER

KEY Features

- Precise user authentication through the distinct algorithm and recognition ratio
- Compact and elegant design, which is more convenient to use
- Excellent product durability that assures a long life
- Provides fast matching
- Provides USB interface



Specification

ITEM	Specification
Interface Type	USB
External Interface Spec.	USB1.1
Fingerprint Recognition Sensor	OPU01M
Resolution (DPI)	500 DPI
Dimension (mm)	25.3(W)x40.7(L)x67.7(H)(mm)
OS	Windows/2000/XP/2003
Operating Temperature (° C)	0 ~ 40(° C)
Operating Voltage (V)	5(V)
Certification	MIC,CE,FCC,WHQL

SOFTWARE DEVELOPMENT KIT (SDK)

Common Specification

- Operating System: Microsoft Windows 2000 Professional / Server, Windows XP Home / Professional
- Computer requirement (Minimum): CPU(Pentium IV 1.6G or Higher), RAM(256M or Higher), HDD(4GB or Higher)

LX INTERFACE SDK

Category	Description
Component	LXSDK.OCX
Development Tool	Microsoft Visual Basic 6, Microsoft Visual C++ 6.0
Compatible Device	LX505, LX007
Contents	Component Files, User Manual, Sample, Sample Source(Visual Basic, VC++ and .Net(coming soon))

ViaTDC INTERFACE SDK

Category	Description
Component	ViaTDC Interface.ocx , AllStar.dll
Development Tool	Microsoft Visual Basic 6.0, Microsoft Visual C++ 6.0, Borland Delphi 6
Compatible Device	ViaTDC / ViaTDC SR Controller
Contents	Component Files, User Manual, Sample, Sample Source (Visual Basic, Delphi, VC++ and .Net(coming soon))

STAR INTERFACE SDK

Category	Description
Component	StarInterface.ocx , AllStar.dll
Development Tool	Microsoft Visual Basic 6.0, Microsoft Visual C++ 6.0, Borland Delphi 6
Compatible Device	505R / FINGER007 / iCON100 / SR505 / FINGER007SR / iCON100SR
Contents	Component Files, User Manual, Sample, Sample Source (Visual Basic, Delphi, VC++ and .Net(coming soon))

STAR BIO READER SDK

Category	Description
Component	StarBIOReader.ocx , AllStar.dll
Development Tool	Microsoft Visual Basic 6.0, Microsoft Visual C++ 6.0, Borland Delphi 6
Compatible Device	FGR006 / FINGER006 / FGR006EX / FINGER006EX / FGR006SR / FINGER006SR / FACE006 / FACE006EX / FACE006SR
Contents	Component Files, User Manual, Sample, Sample Source (Visual Basic, Delphi, VC++ and .Net(coming soon))

Hamster SDK

Category	Description
Component	NBioBSP.dll, NBioBSPCOM.dll, NImgConv.dll
Development Tool	Visual Basic 6.0, Visual C++ 6.0. Borland Delphi 6
Compatible Device	Hamster USB device
Contents	NBioBSP. dll, NBioBSPCOM.dll, NImgConv.dll, SDK user's manual, Sample files

STAR RFL200C SDK & INTERFACE CONTROLLER

Category	Description
Component	STARifrcfle.ocx , AllStar.dll
Development Tool	Microsoft Visual Basic 6.0, Microsoft Visual C++ 6.0, Borland Delphi 6
Compatible Device	INTERFACE CONTROLLER / RFL200C
Contents	Component Files, User Manual, Sample, Sample Source (Visual Basic, Delphi, VC++ and .Net(coming soon))

STAR 100R SDK

Category	Description
Component	Star100R.OCX
Development Tool	Microsoft Visual Basic 6.0
Compatible Device	STAR 100R
Contents	Component File (Star100R.OCX), SDK User Manual (MS-WORD), Sample Source (Visual Basic 6.0)

STARWATCH PRO SOFTWARE Selection Guide

Product	STARWATCH DUAL PRO I	STARWATCH ViaTDC PRO I	STARWATCH DUAL PRO II	STARWATCH ViaTDC PRO II	STARWATCH LX ACCESS PRO II
Controller	iCON100 Series * FINGER Series 505R Series	ViaTDC Series *	iCON100 Series * FINGER Series 505R Series	ViaTDC Series *	LX505 LX007
General					
Server Operating System	Windows 2000 / 2003 Server	Windows 2000 / 2003 Server	Windows 2000 / 2003 Server	Windows 2000 / 2003 Server	Windows 2000 / 2003 Server
Client Operating System	Windows 2000 Pro/ XP	Windows 2000 Pro/ XP	Windows 2000 Pro/ XP	Windows 2000 Pro/ XP	Windows 2000 Pro/ XP
Dial-up Modem / RS232 / RS422	Yes	Yes	Yes	Yes	Yes
TCP/IP Communication	Yes	Yes	Yes	Yes	Yes
Central Alarm Monitoring	Yes	Yes	Yes	Yes	Yes
Central Database Management	No	No	Yes	Yes	Yes
Online Help Support	Yes	Yes	Yes	Yes	Yes
Multi Language Support	Yes	Yes	Yes	Yes	Yes
System Capacity					
Maximum Client Workstation Definable	No	No	20 Client	20 Client	20 Client
Maximum Cardholders	10,000(iCON100)*	20,000	10,000(iCON100)*	20,000	20,000
Maximum Access Levels	999	999	999	999	999
Maximum Readers	32*99*2	255*99*4	32*99*2	255*99*4	32*99*2
Maximum Supervised Inputs	32*99*5	255*99*15	32*99*5	255*99*15	32*99*5
Maximum Outputs	32*99*5	255*99*15	32*99*5	255*99*15	32*99*5
Maximum Holidays	10*32	15*100	10*32	15*100	10*100
Access Control Specifications					
Visitor Management	Yes	Yes	Yes	Yes	Yes
Duress Mode	Yes	Yes	Yes	Yes	Yes
Anti-pass Back Protection (Zone)	Yes	Yes	Yes	Yes	Yes
Elevator Control	No	Yes	No	Yes	No
Two Person Rule Access Control	No	Yes	No	Yes	No
Intercom System Interface	Yes	Yes	Yes	Yes	Yes
Video Surveillance Application	Yes	Yes	Yes	Yes	Yes
Fire/Burglar Alarm System Integration	Yes	Yes	Yes	Yes	Yes
Multiple Access Group	Yes	Yes	Yes	Yes	Yes
Alarm for Power Fail	Yes	Yes	Yes	Yes	Yes
Rolling Transaction Display	Yes	Yes	Yes	Yes	Yes
Guard Tour	Yes	Yes	Yes	Yes	Yes
Cardholder Database					
Relational Database	MS ACCESS 97	MS ACCESS 97	MSDE / MS-SQL2000	MSDE / MS-SQL2000	MSDE / MS-SQL2000
Database Import/Export	Export	Export	Export	Export	Export
Database Partitioning	Yes	Yes	Yes	Yes	Yes
Search on any Field	Yes	Yes	Yes	Yes	Yes
Automatic Card Activation / Deactivation	Yes	Yes	Yes	Yes	Yes
Support for Badge Status (Lost, etc)	No	No	Yes	Yes	Yes
Bulk Card Addition/Deletion	No	No	Yes	Yes	Yes
Controller Administration / Features					
Networking Protocols	Yes	Yes	Yes	Yes	Yes
Self Diagnostic	Yes	Yes	Yes	Yes	Yes
Embedded Processor	Yes	Yes	Yes	Yes	Yes
Scalable Memory	No	No	No	No	No
Maximum Cardholders per Controller	10,000	20,000	10,000	20,000	20,000
Operating System	Yes	Yes	Yes	Yes	Yes
Flash Memory	No	No	No	No	No
Maximum Readers per Controller	2	4	2	4	2
Onboard Ethernet	No	Yes	No	Yes	Yes
Encryption	Yes	Yes	Yes	Yes	Yes
Peer-to-peer Communications	No	No	No	No	No

STARWATCH PRO SOFTWARE Selection Guide

Product	STARWATCH DUAL PRO I	STARWATCH ViaTDC PRO I	STARWATCH DUAL PRO II	STARWATCH ViaTDC PRO II	STARWATCH LX ACCESS PRO II
Reporting					
Event /Alarm History Report	Yes	Yes	Yes	Yes	Yes
Tracking & Mustering Report	Yes	Yes	Yes	Yes	Yes
User Design Report	No	No	No	No	No
Excel, PDF Report Format	Yes	Yes	Yes	Yes	Yes
HTML Report Format	Yes	Yes	Yes	Yes	Yes
ID/Daily Attendance Report	Yes	Yes	Yes	Yes	Yes
Monthly/Annual Attendance Report	Yes	Yes	Yes	Yes	Yes
Time & Attendance Report Preview	Yes	Yes	Yes	Yes	Yes
Alarm Management					
Alarm Instruction to the Operator	Yes	Yes	Yes	Yes	Yes
Dynamic Alarm Monitoring / Control from Maps	Yes	Yes	Yes	Yes	Yes
Audible Alarm	Yes	Yes	Yes	Yes	Yes
E-mail	Yes	Yes	Yes	Yes	Yes
Event for Unacknowledged Alarm	Yes	Yes	Yes	Yes	Yes
Alarm Routing	Yes	Yes	Yes	Yes	Yes
SMS Service	Yes	Yes	Yes	Yes	Yes
Badge Imaging System					
Digital Camera Support	Yes	Yes	Yes	Yes	Yes
Batch Mode Printing	Yes	Yes	Yes	Yes	Yes
Allows Printing of User Defined Fields	Yes	Yes	Yes	Yes	Yes
Printing on Both Sides	No	No	No	No	No
Multiple Badge Template Support	Yes	Yes	Yes	Yes	Yes
Image Capture/Import	Yes	Yes	Yes	Yes	Yes
Signature Capture/Import	No	No	No	No	No
Time and Attendance					
Work Time Definition (Personal)	Yes	Yes	Yes	Yes	Yes
Work Type Definition	Yes	Yes	Yes	Yes	Yes
Work Holiday Definition	Yes	Yes	Yes	Yes	Yes
"Time and Attendance Reader Group Definition"	Yes	Yes	Yes	Yes	Yes
Shift Time and Attendance	No	No	No	No	No
Break Time Definition	Yes	No	Yes	No	Yes
Function Key Definition	Yes	No	Yes	No	Yes
Work Timetable Definition	Yes	Yes	Yes	Yes	Yes
Other					
Import/Export Maps	Import	Import	Import	Import	Import
Biometrics 3rd Party Support *	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand
Iris Scan Support	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand
Smart Card 3rd Party Integration	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand

Notes:

*ViaTDC Series : ViaTDC, ViaTDC-SR

FINGER Series : FINGER007, FINGER007SR, FINGER006, FGR006

iCON100 Series : iCON100, iCON100SR

505R Series : 505R , SR505

*FINGER007

Fingerprint Per Controller : 1000, 2000, 4000

Transaction Buffer Per Controller : 26,000

*Biometrics 3rd Party Support

Fingerprint, Iris, Facial 3rd Party Support (Biometric Template Management Software Required)