



RFID & BIOMETRICS ACCESS CONTROL SYSTEM

IDTECK PRODUCT OVERVIEW for 2008 INTERSEC EXHIBITION



www.idteck.com

Headquarters : IDTECK Co., Ltd.
5F, Ace Techno Tower Bldg, 684-1 Deungchon-Dong, Gangseo-Gu, Seoul, 157-030, Korea
Tel: +82-2-2659-0055 Fax: +82-2-2659-0086
Email: webmaster@idteck.com Website: www.idteck.com / www.idtecktraining.com.

U.S. Branch : RF Logics Inc.
370 Amapola Ave #106, Torrance, CA 90501
Tel: 310-782-8383 Fax: 310-782-8298
Email: rflogics@rflogics.com Website: www.rflogics.com

Hong Kong Branch : IDTECK Hong Kong
12/F., B2B Centre, No.36 Connaught Road West, Hong Kong
Tel: 852-2581-9580 Fax: 852-2234-5150
Email: alchu@qala.com.hk Website: www.istarhk.com



About IDTECK

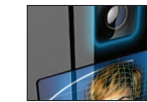
IDTECK is a foremost manufacturer in the area of access control system and time & attendance system based on innovative technology of RFID, biometrics and embedded OS(Linux, WinCE). Since 1989, it has been devoted in designing, developing and manufacturing STAR brand product of RFID of 125KHz, 13.56MHz and 2.45GHz, 900MHz and of biometrics of fingerprint, face recognition and multi modal.

Its globally focused marketing efforts and quality-first policy brought IDTECK to be recognized as a world leader of the market, distributing its products in cooperation with over a hundred representatives all over the world. Therefore, our long time experience and knowledge in the Security Industry will definitely meet customers' needs and satisfactions for the ease of use, proven quality, and cost-effective security devices.

IDTECK keeps striving for the peaceful and secure life of the world family based on the most intelligent and innovative technology.



PRODUCT GUIDE



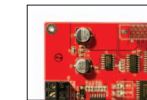
Multi-modal Biometrics Access Controller
MAC1000

04



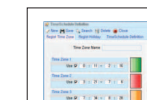
Dual Function for Access Control and Time & Attendance System
LX Series_LX007 / LX006 / LX505
STARWATCH TIME PRO Software

06



Intelligent Multi Doors (32) Access Control System
iMDC
STARWATCH ENTERPRISE Software

08



Compatible to IDTECK's all Standalone/Network Access Controllers
STARWATCH STANDARD Software

10



Video Surveillance integrated with Access Control System
STARWATCH VIEWPRO Software

11



13.56MHz SMART Card Technology
SMART Card Reader Series

12



Door Lock

13



Total Security System Integration

14



STARWATCH Software Selection Guide

16

Multi-modal Biometrics Access Controller

MAC1000

The MAC1000 is a Multi-Modal Biometrics Standalone / Network Access Controller embedding accurate Biometric Algorithms of Fingerprints and Facial recognition. The MAC1000 is the right solution for the user where the highest security is required. The access is only granted when two biometrics of the user are successfully authorized. The MAC1000 is the state of the art technology with luxury design and its powerful capability of 32bit micro-processor running Windows-CE operating System.



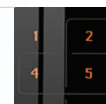
Facial recognition



Multilingual support
(10 Language)



Color graphic LCD (3.5inch)



Touch keypad with backlighting



Proximity reader (125KHz, 13.56MHz)



Fingerprint scanner
with protection cover



Speaker for Voice Messages



Door Phone Function



Key Features

- ▣ Multi-Modal biometrics technology of fingerprints & facial recognition
- ▣ High speed 32bit ARM Processor (Windows CE) and DSP (Algorithm)
- ▣ Any combination of proximity, password, fingerprints and facial recognition
- ▣ TFT color graphic LCD to display real time video and multilingual menu
- ▣ Voice messages and door phone features
- ▣ Communication with RS232, RS485, built-in TCP/IP and wireless
- ▣ Built-in proximity reader and 2 x output relays
- ▣ Built-in camera for face recognition and video surveillance system



Dual Function for Access Control and Time & Attendance System

LX Series LX007 / LX006 / LX505

The LX Series are dual function system of access control and time & attendance with concept of 'luxurious' and 'extremely comfortable'. The graphic LCD & Voice output supports multiple languages so that the unit can be operated anywhere in the world.

Key Features

- ▣ 125KHz(default) proximity /13.56MHz(optional) contactless SMART Card, PIN and fingerprint recognition
- ▣ Dual function for access control and time & attendance
- ▣ 1:1 verification and 1:N Identification / Fingerprint quality display
- ▣ Dynamic control of memory up to 20,000 users / up to 20,000 event buffers
- ▣ Operating mode selectable by Individual ID / 4 Level door open time setting by Individual ID
- ▣ Network communication via RS232, RS485 and built-in TCP/IP
- ▣ Serial printer port for event ticket issuing
- ▣ Supervised Input Cut-off check
- ▣ User name & function key definition display on LCD
- ▣ ARM/DISARM function for alarm panel
- ▣ Voice announcement programmable for other language
- ▣ Graphic LCD with multi languages(and voice) display
- ▣ Compatible software: STARWATCH TIME PRO, LX ACCESS PRO II, STANDARD



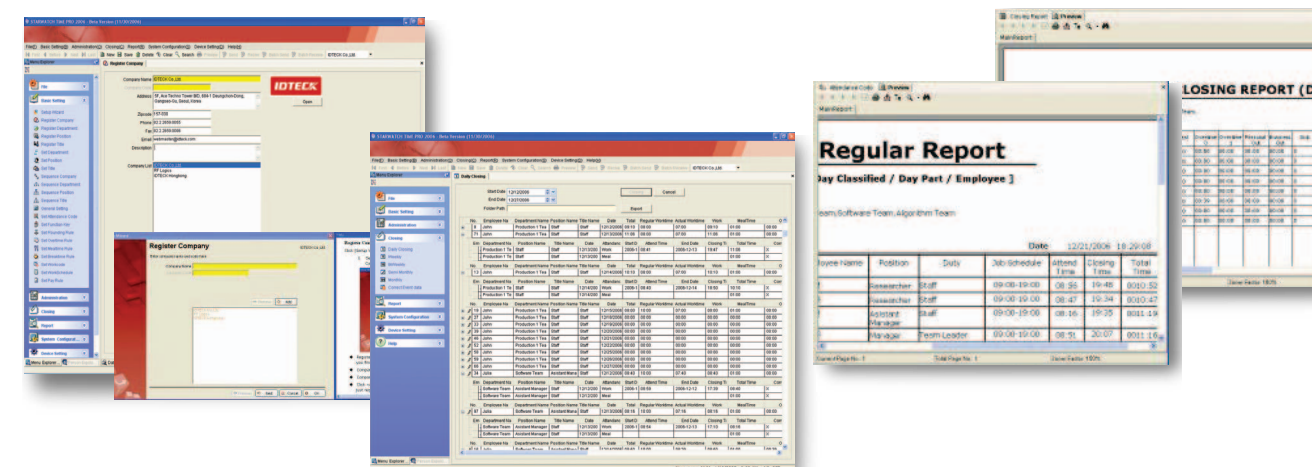
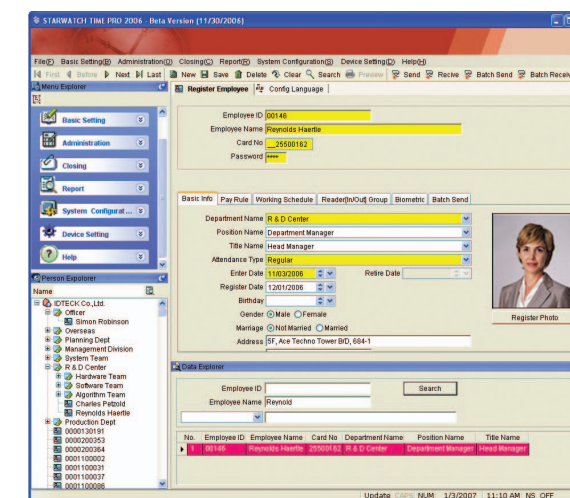
- 1 **LX007**
Fingerprint Identification
(Proximity / PIN)
Time & Attendance
Access Controller
- 2 **LX006**
Fingerprint Identification (Proximity)
Reader
- 3 **LX505**
Proximity / PIN
Time & Attendance / Access Controller

STARWATCH TIME PRO Software

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

Key Features

- ▣ Professional time & attendance software
- ▣ User-designed screen image and company logo on its windows
- ▣ Multiple language support (English, Spanish, Portuguese, Italian, French, Korean, Chinese, Japanese, Arabic, Russian)
- ▣ Online help and effective search
- ▣ User-oriented system configuration and options
- ▣ Powerful administration functions
- ▣ Dynamic reports and data connection
- ▣ Extremely easy setup wizard for initial configurations



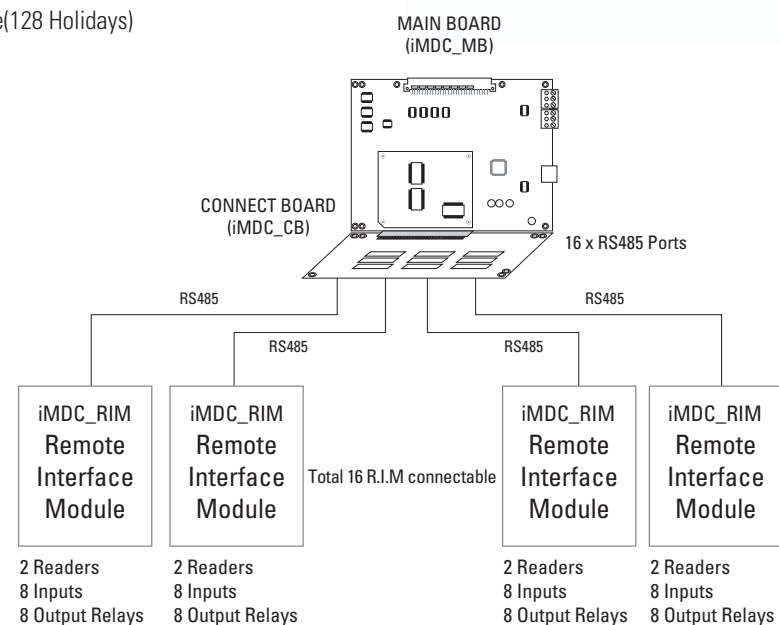
Intelligent Multi Doors (32) Access Control System

iMDC

The iMDC is an Intelligent Multiple Doors Access Controller with network configuration. The iMDC is controlled and managed by STARWATCH ENTERPRISE software. The iMDC can be programmed a lot of features and settings by user's demand and it is designed for high performance, capability and easy installation. The iMDC is running powerful 32bit ARM processor based on Linux operating system with 128MB of memory at ultra high processing time.

Key Features

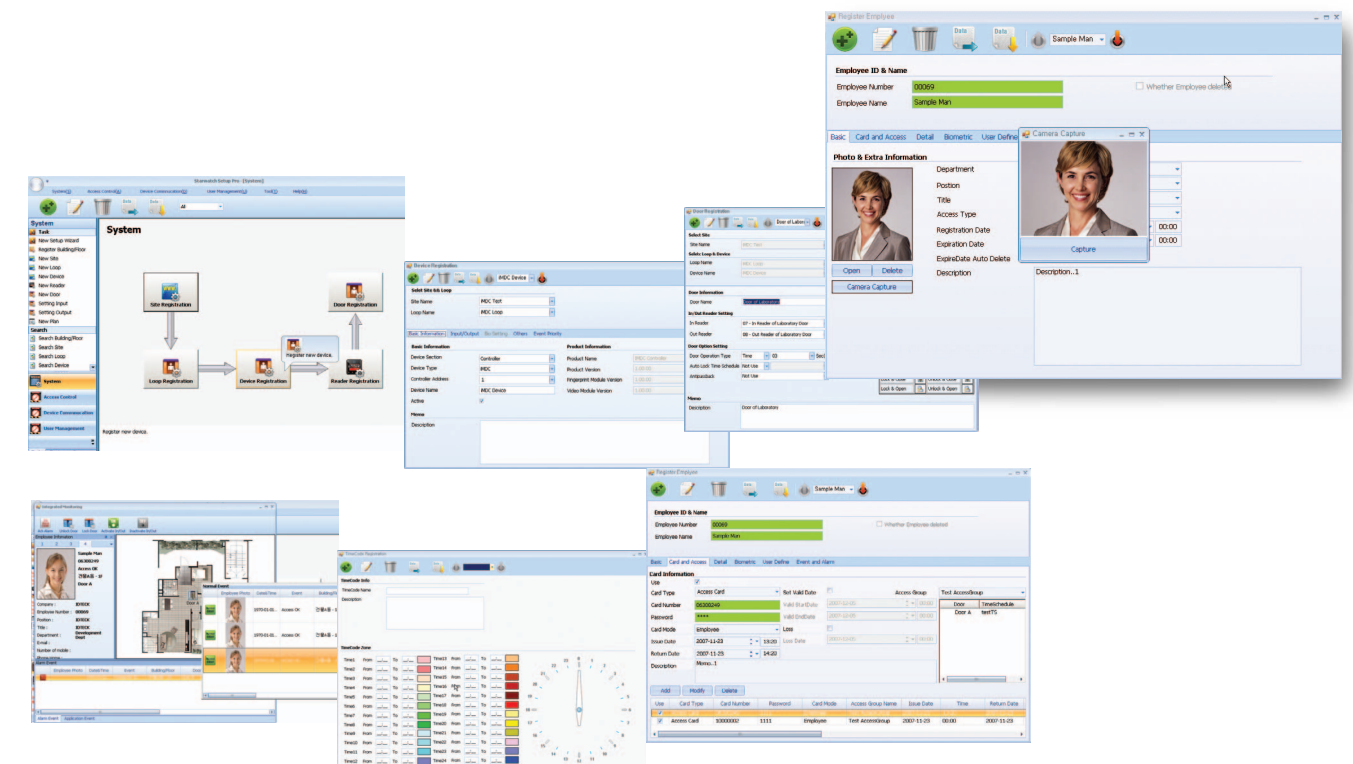
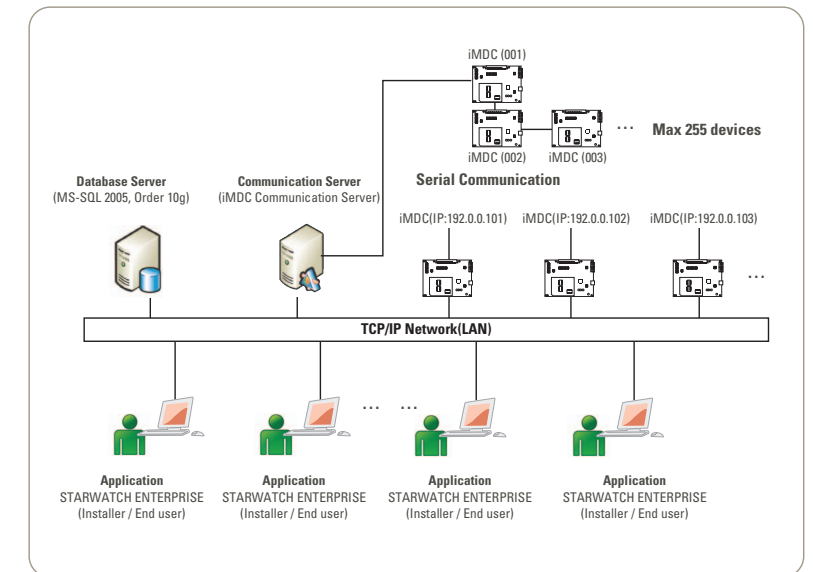
- ▣ Intelligent Multi Doors(32) Access Control Panel
- ▣ 200,000 Users and 200,000 Event Buffers
- ▣ Standalone / Network Communication via RS232 / RS485 (Max.255ch), TCP/IP
- ▣ 128 Access Level to Individual ID
- ▣ Independent Max.128 supervised(cut off check) Input ports and Max.128 Output(Relay)
- ▣ Global, Area, Zone, Timed Anti-passback Function
- ▣ 2 Men Operation Function
- ▣ ARM / DISARM Function. Duress mode
- ▣ Door opening time setting by individual ID for handicapped person
- ▣ Max.32 Reader Ports(user defined data format)
- ▣ 128 Time Schedule(7 days, 24 Time intervals)
- ▣ 64 Holiday Schedule(128 Holidays)



STARWATCH ENTERPRISE Software

Key Features

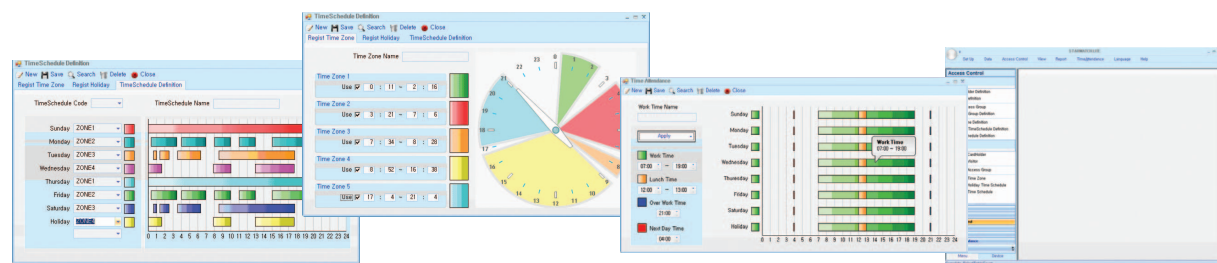
- ▣ Enterprise Access Control System
- ▣ Multiple sites management / Zone management
- ▣ Wizard & diagram functions for easy installation
- ▣ Extensive tool tips information
- ▣ Multiple company supports
- ▣ Integrated multi-screen monitoring
- ▣ Integration with video surveillance
- ▣ Batch transmission of system configuration by specific controller
- ▣ Graphic map function
- ▣ Multiple cards issue & management
- ▣ Separate software for management and installation
- ▣ User interface color themes
- ▣ Powerful communication server
- ▣ Multiple language support
- ▣ Global, Area, Zone, Timed Anti-passback



Compatible to IDTECK's all Standalone/Network Access Controllers

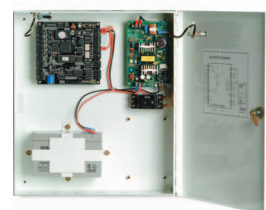
STARWATCH STANDARD Software

The STARWATCH STANDARD is application software for the access control and Time & Attendance with standard features. The software is compatible to IDTECK's all standalone/network access controllers such as 505R, FGR007, FINGER007, LX505, LX007, iCON100 and iTDC. The STARWATCH STANDARD S/W is simple and easy application software with some limited features.



Key Features

- ☐ Access Control and Time & Attendance Software
- ☐ Compatible to IDTECK's all standalone/network access controller (FINGER007 Series, 505R Series, LX Series, iCON100 Series, iTDC Series and more)
- ☐ Wizard & diagram functions for easy installation / Extensive tool tip information
- ☐ Multiple sites management
- ☐ Multiple company supports
- ☐ Integrated multi-screen monitoring
- ☐ User interface color themes
- ☐ User defined reports



**iCON100 Series
iTDC Series**



505R Series



LX Series

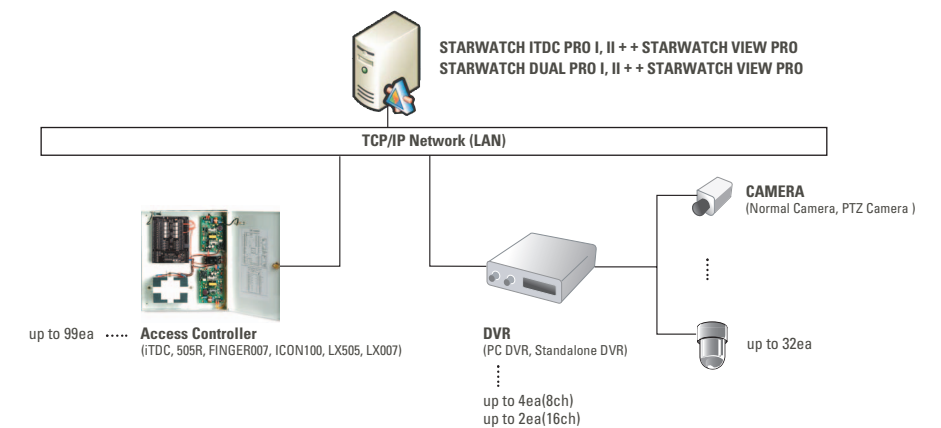


FINGER007 Series

Video Surveillance integrated with Access Control System

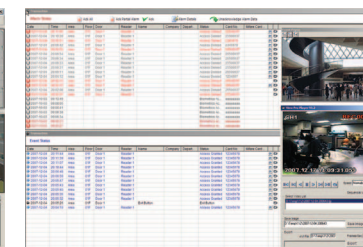
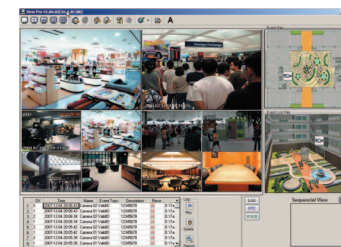
STARWATCH VIEWPRO Software

The STARWATCH VIEW PRO is an add-on software for the integration of access control system and video surveillance system. The VIEW PRO software can be added to IDTECK's STARWATCH iTDC PRO I, PRO II, STARWATCH DUAL PRO I and PRO II software. The VIEW PRO software is to monitor real-time video and to record the video from the access point where the event is activated. The software supports to monitor up to 32 cameras in real-time.



Key Features

- ☐ Supports various DVR, web server and web camera
- ☐ Real-time Video Monitoring up to 32 cameras
- ☐ Multi monitors support (16ch per each monitor)
- ☐ Video clip playback / Sequential view available
- ☐ Supports PTZ control
- ☐ Supports full duplex sounds
- ☐ Support web for remote control and monitoring
- ☐ Able to set up for frame rate, compression, resolution, motion detection area and more
- ☐ Record user defined pre-alarm recording time
- ☐ User defined map and camera display



13.56MHz SMART Card Technology

SMART Card Reader Series

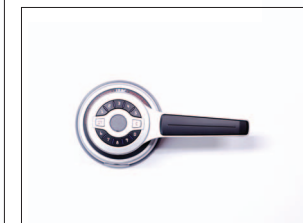
As the smart card reader series offer enhanced security through encryption and mutual authentication, the need of the technology has been increasing. IDTECK has also developed 13.56 MHz SMART card reader series with various purposes.



13.56 MHz SMART Card Reader Comparison Table

	SR/SRU Series (Card Serial Number Read Only)	SRS Series-IDTECK Credential (Read Only)	RW Series (Reader and Writer)	SRB Series (Fingerprint template + ID-Read Only)
Difference	- 34 Bit Wiegand Output - RS232(Optional)	- ID number reading written in a memory sector of a block. - 34 Bit Wiegand and RS232 Output(Default) - Various wiegand and ABA Track II output programmable(Optional) - With PRG2000S Purchase, various wiegand and ABA Track II output programmable	- 34bit Wiegand(Default) - RS232/485(Selectable) - 26bit/34bit wiegand output programmable with PRG2000RW	- 26 Bit Wiegand Output(Default)
Date	- ID : Card Serial Number (not programmable)	- With PRG2000S: ID programmed by user - Without PRG2000S: ID programmed by IDTECK	- Balance or other data programmed by user	- ID and fingerprint template programmed with PRG2000B by user
Benefits	- High compatibility : Any SMART card of ISO14443 type A/B Compatible	- High security level: ID number control by user or IDTECK with secure access key - Convenient card registration: Since user or IDTECK control the ID number, card IDs are known and are in serial. - Business protection: Without data sector and access key information, other supplier could not make compatible reader or cards.	- High security level: data protected with secure access key. - One Card Solution: With only one card, it can apply access control, payment, debt meal and other solution. - Business Protection: Without data sector and access key information, other supplier could not make compatible reader or cards.	- High security level: data protected with secure access key. - Business Protection: Without data sector and access key information, other supplier could not make compatible reader or cards. - Privacy protection: Personal bio data is stored in personal card memory instead of in public memory. No Need to manage database or templates. - Unlimited Fingerprint User Applicable
Card Type	- MIFARE Card & ISO14443 TypeA(SR Series) - MIFARE Card & ISO14443 Type A/B(SRU Series)	- MIFARE Card(With PRG2000S) - ISC80S IDTECK Credential Card Only(without PRG2000S)	- MIFARE Card	- MIFARE Card
Application	- Access Control - Time & Attendance	- Access Control - Time & Attendance	- Cashless payment - Membership control - Debt meal control - Access Control - Time & Attendance - Various other application	- Access Control - Time & Attendance
Programmer	- No Need	- PRG2000S	- PRG2000RW	- PRG2000B

Door Lock



Safety & Security

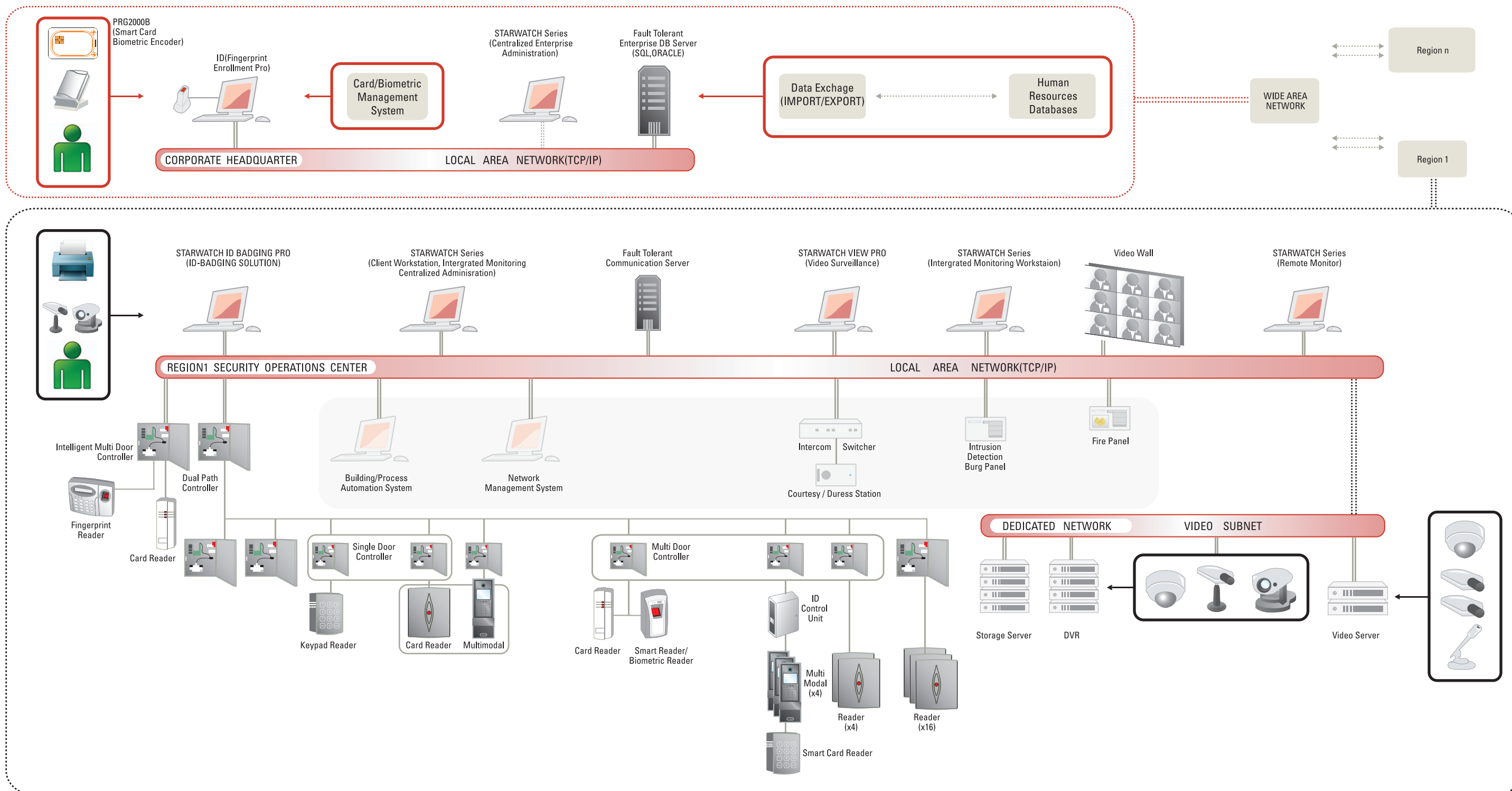
- > **Dual MCU**
Two separate MCUs placed at both ends inside the unit guarantees that the door will not unlock by electric shock up to 30,000Volt
- > **Full safe mechanical exit**
Designed to operate properly up to 300°C(Heat-resistant)
- > **Heavy duty metal die-cast body**
Provides safety and security against fire and external physical shock
- > **High temperature alam sensor installed**
100db Alarming sound upon unusual outside temperature over 55°C
- > **Burglary alam installed**
100db Alarming sound upon burglary

Convenience

- > **4steps of locking mode**
Auto lock mode: Door locked automatically upon closing the door
Unlock mode: Keep the door unlocked for frequent in & out
Cylinder lock mode: Prohibit using emergency key against burglary
Full lock mode: Prohibit unlocking the door by any means of keys supplied from outside (Form inside, just pull down the door handle to unlock)
- > **Both electronic & mechanical system**
Even in case of electronic malfunction, lock-unlock is still available via mechanical system
- > **Dual authentication system**
For highly secured access control, dual authentication by "remote key+pin code" is also available

Total Security System Integration

- ▣ Access Control System
- ▣ Video Surveillance System
- ▣ Fire Detection System
- ▣ Alarm Detection System
- ▣ BAS(Building Automation System)
- ▣ BMS(Building Management System)



CUSTOMER SERVICES

IDTECK PROVIDES YOU...

Product	STARWATCH ENTERPRISE	STARWATCH STANDARD	STARWATCH TINME PRO	STARWATCH DUAL PRO I	STARWATCH iTDC PRO I	STARWATCH DUAL PRO II	STARWATCH iTDC PRO II	STARWATCH LX ACCESS PRO II
Time and Attendance								
Work Time Definition (Personal)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Work Type Definition	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Work Holiday Definition	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
"Time and Attendance Reader Group Definition"	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shift Time and Attendance	No	No	Yes	No	No	No	No	No
Break Time Definition	No	Yes	Yes	Yes	No	Yes	No	Yes
Function Key Definition	No	Yes	Yes	Yes	No	Yes	No	Yes
Work Timetable Definition	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Meal Time Management	No	No	Yes	No	No	No	No	No
Over Time Work Management	No	No	Yes	No	No	No	No	No
Other								
Import / Export Maps	Import	Import	Import	Import	Import	Import	Import	Import
Biometrics 3rd Party Support *	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand
Iris Scan Support	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand	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	Yes, Wiegand	Yes, Wiegand	Yes, Wiegand

Notes:

- *iTDC Series : iTDC, iTDC-SR
- FINGER Series : FINGER007, FINGER007SR, FINGER006, FGR006
- iCON100 Series : iCON100, iCON100SR
- 505R Series : 505R , SR505
- *FINGER007
- Fingerprint Per Controller : 1000, 2000, 4000
- Event Buffers Per Controller : 26,000
- *Biometrics 3rd Party Support
- Fingerprint, Iris, Facial 3rd Party Support (Biometric Template Management Software Required)



> IDTECK e-Training Center

IDTECK e-Training Center has been designed for providing IDTECK customers with the knowledge and expertise of security system. Educate yourself through online training service.

<http://www.idtecktraining.com/>



> YES ID CASH POINT

IDTECK introduces the partner support program "YES ID Cash Point" It is designed to support our reliable partners.

http://www.idteck.com/company/yes_id.jsp



> Online Purchase Order

IDTECK online order process will provide you with more upgraded services. Make an order conveniently through online system

http://www.idteck.com/support/product_orderprocess.jsp