

Access Control System

Offers Real-Time Integrated Monitoring and Access Status via Remote Control.

Access control system is designed to prohibit access of unauthorized users from entering premises of business building, factories, laboratories and other important facilities to create safe and sound work environment. Using the RFID / SMART Cards, Fingerprint / Facial Recognition Devices and Access Control Panel, it seamlessly prevents unauthorized access and provides a prevention method for any incidents from taking place.



❖ System Purpose

- + Privacy and Asset Protection
- + Increases Security and Safety of the Workplace by Prohibiting Access of the Unauthorized Personnel
- + Provides Convenient Management via Remote Control
- + Allows the Administrator to Take Prompt Response to Alarm Event to Minimize the Damage

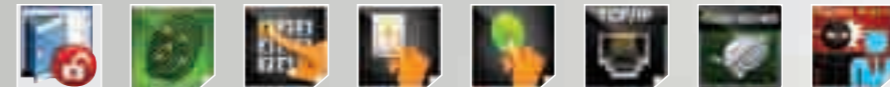


❖ System Features

- + Seamless Access Control Management
 - Time schedule management by user, group, door to limit and control entry
 - Equipped with tailgating function and arm / disarm functions to maximize the security level
 - Allows the adjustment of the security level by using different combination of RF (PIN) card fingerprint / facial recognition modes
 - Keeps extensive records of administrator log in / out data to prohibit irregular modifications
- + Access Status Management by Users and Groups
 - Access status reviewing and report available by user, group, day and door
 - Provides personal information and image of the user
- + Real-Time Monitoring and Management via Remote Control
 - Integrated management available without restriction of location (Headquarter / Branch Office Management)
 - Using the remote control feature, the administrator can control the access of doors and monitor access status in real-time
 - Using the remote control feature, the administrator can control and monitor various output devices and alarm devices
- + Integration with Other Systems
 - Compatible with various sensors, fire alarm and DVR for system expansion
 - Supports data converting feature (Excel, Text, PDF) for integration with ERP / IBS
 - Easy integrations with access control gate systems such as turnstile and speed gate

Access Control System for Small-Size Business

- + Easy to Install and Convenient to Use
- + Affordable Access Control System Suitable for Small Offices, Factories and Stores



Standalone Access Control System

Standalone Access Controller

- Controller plus reader in one device that operates in standalone
- Stores up to 512 ID users
 - RF Card Identification Access Controller **RFL200 Series**
 - RF Card + PW Identification Access Controller **100R (100W) Series**
 - PW Identification Access Controller **PIN120**
 - Access Control Management Software **STAR100R**



Management Software for Effective Access Control Management

- Multi-functional software for access control and basic Time & Attendance Management
- Powerful network features support both Ethernet and Serial Communication
- Microsoft Access (DUAL PRO I), Microsoft SQL Server 2005 (DUAL PRO II)
 - Access Control Management Software **STARWATCH DUAL PRO I/II, LXACCESS PRO II, STANDARD**



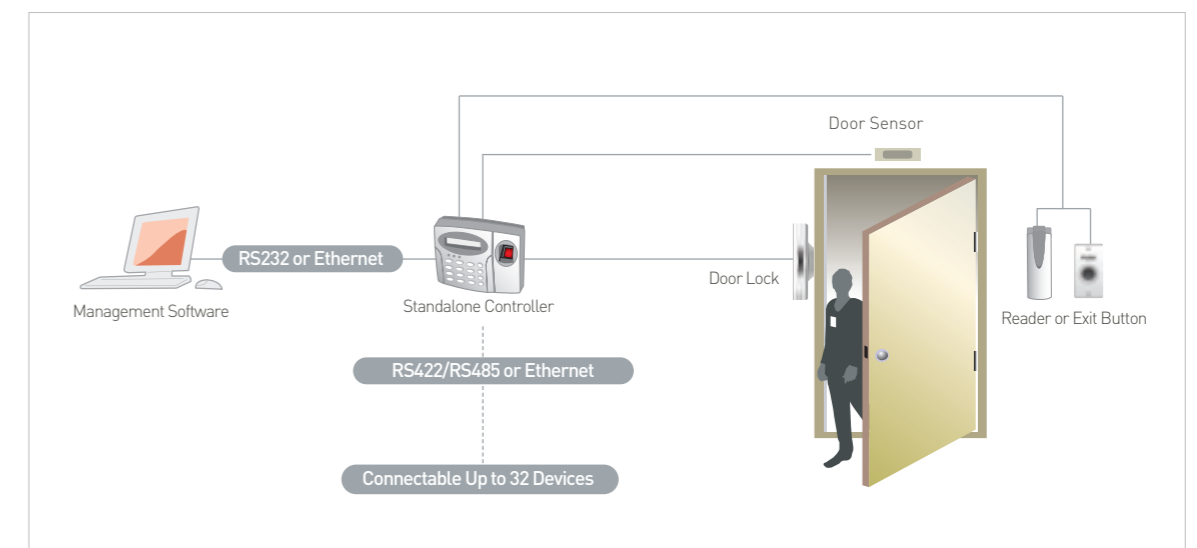
Standalone / Network Access Control System

Standalone / Network Access Controller

- Standalone / Network communication via RS232 / RS422 / RS485 / Ethernet
- Stores up to 4,000 fingerprint users / up to 50,000 ID users
 - RF Card + PW + Fingerprint Identification Access Controller **LX007 Series**
 - RF Card + PW Identification Access Controller **LX505 Series**
 - RF Card + PW + Fingerprint Identification Access Controller **FINGER007 Series**
 - RF Card + PW Identification Access Controller **505R Series**
 - RF Card Identification Access Controller **RFL200C Series**

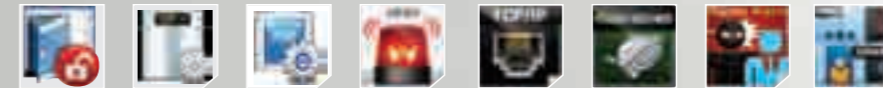


Access Control System Configuration for Small-Size Business



Access Control System for Medium-Size Business

- + Access Control System with Expansion Capabilities with Other security Systems (Sensor, Fire Alarm, CCTV, etc)
- + Provides High Level Security for Intelligent Buildings, Mid-Sized Factories, Special Facilities Such as Sewer Systems, Crematories, Unmanned Base Stations.



iEDC Access Control System

Intelligent Access Controller

- Controls up to 8 doors
- Stores up to 100,000 users / up to 100,000 event buffers
- Network communication via RS232 / RS422 / RS485 (up to 32 controllers) / Ethernet
- Supports PoE (Power over Ethernet)
- Management via web browser
 - 8 Door Access Control Panel **iEDC**
 - Access Control Management Software **STARWATCH ENTERPRISE**



iEDC

Reader Series Compatible with Controller

- 125 KHz Proximity RF Card Reader **RF10, RF20, RF TINY, RF30, RFK101, FGR006, LX006**
- 13.56 MHz (MIFARE) Contactless SMART Card Reader **SR10, SR10E, SR30, SRK101, LX006SR, FGR006SR**

iCON100/iTDC Access Control System

High Performance Access Controller with Affordable Cost

- Controls up to 4 doors
- Stores up to 50,000 users / up to 50,000 event buffers
- Up to 5 input ports and 4 output ports
 - Single Door Access Control Panel **iCON100**
 - 4 Door Access Control Panel **iTDC, iTDC-SR**
 - Access Control Management Software
iTDC/iTDC-SR : STARWATCH iTDC PRO I/II, STANDARD
iCON100 : STARWATCH DUAL PRO I/II, STANDARD



iCON100



iTDC/iTDC-SR

ELEVATOR384 Access Control System

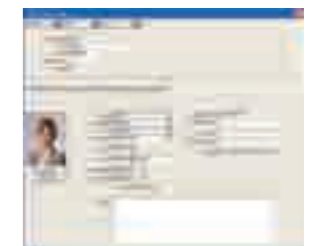
- Controls up to 384 floors (12 Floors per controller, expandable up to 32 controllers)
- Available for either standalone operation or integrated operation with iTDC controller
 - Access Control Panel for Elevator Management **ELEVATOR384**
 - Access Control Management Software **STARWATCH ELEVATOR PRO, iTDC PRO I/II**
 - *ELEVATOR384 for Single Operation : **STARWATCH ELEVATOR PRO**
 - *ELEVATOR384 + iTDC for Integrated Operation : **STARWATCH iTDC PRO I/II + ELEVATOR PRO**



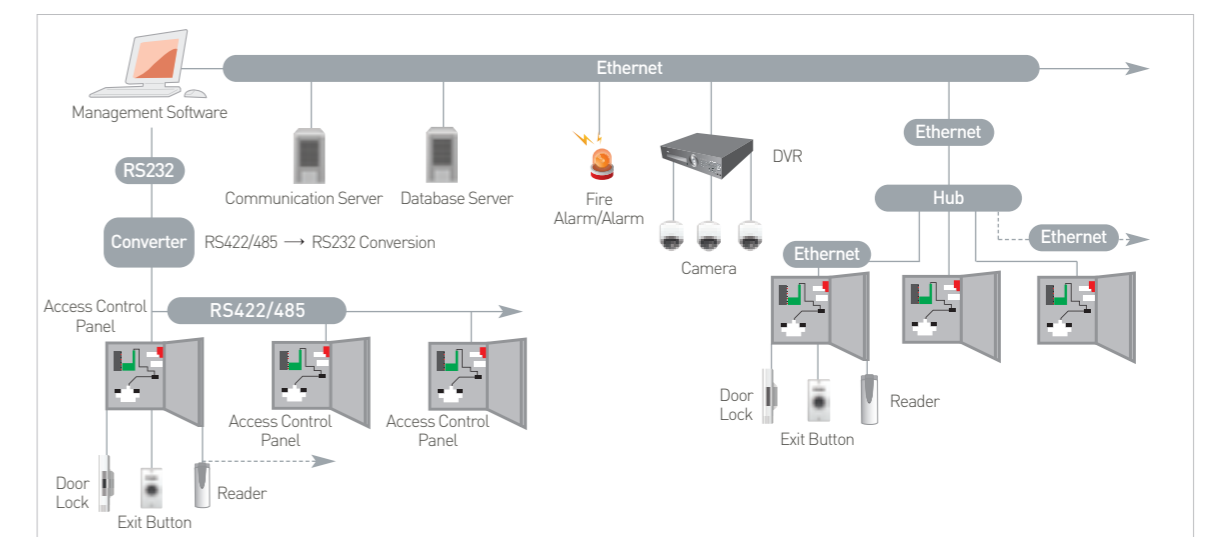
ELEVATOR384

Management Software for Optimized Access Control Management

- Access control and basic T&A management program, compatible with most of IDTECK control panels
- Event respond setting according the danger level and E-mail / SMS notification
 - Access Control Management Software **STARWATCH STANDARD**
- Management software for access control management and real-time monitoring
- System integration available with CCTV, alarm, fire alarm and other security systems
- Printable report on event status, alarm status and others
 - Access Control Management Software **STARWATCH iTDC PRO I/II, DUAL PRO I/II, LX ACCESS PRO II**
- Management software for controlling elevator use of the employees and visitors
- Offers extensive reports on event and alarm status on the elevator usage
 - Management Software for Elevator Control **STARWATCH ELEVATOR PRO**
- Seamlessly integrates with access control management software to provide the real-time video images of the access event (Supports integrated monitoring)
 - Management Software for Video Surveillance and Access Control System Integration **iDWATCH VIEW PRO, iDWATCH IAD PRO I/II, iDWATCH IAD BASIC I/II**



Access Control System Configuration for Medium-Size Business



Access Control System for Large-Size Business

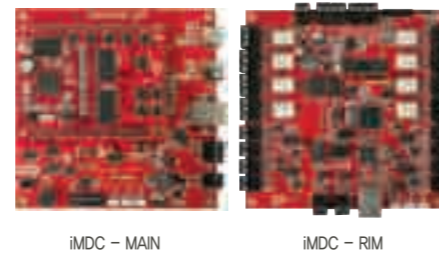
- + Designed to Provide Access Control as well as the Total Security of Large Buildings
- + Suitable for Airports, Intelligent Buildings, Global Companies (Headquarters & Branch Offices)



iMDC Access Control System

IP-Based Advance Access Controller

- Controls up to 32 doors
- Controls and manages multiple buildings, sites and locations via LAN / WAN communication
- Fault Tolerant System applied (Active / Standby)
- Memory up to 200,000 users / Up to 200,000 event buffers
- Embedded Linux operation system provides stable performance
- Supports maximum of 128 input and 128 output ports
- System integration available with CCTV, alarm, fire alarm, BMS and other security systems
- 32 Door Access Control Panel **iMDC**



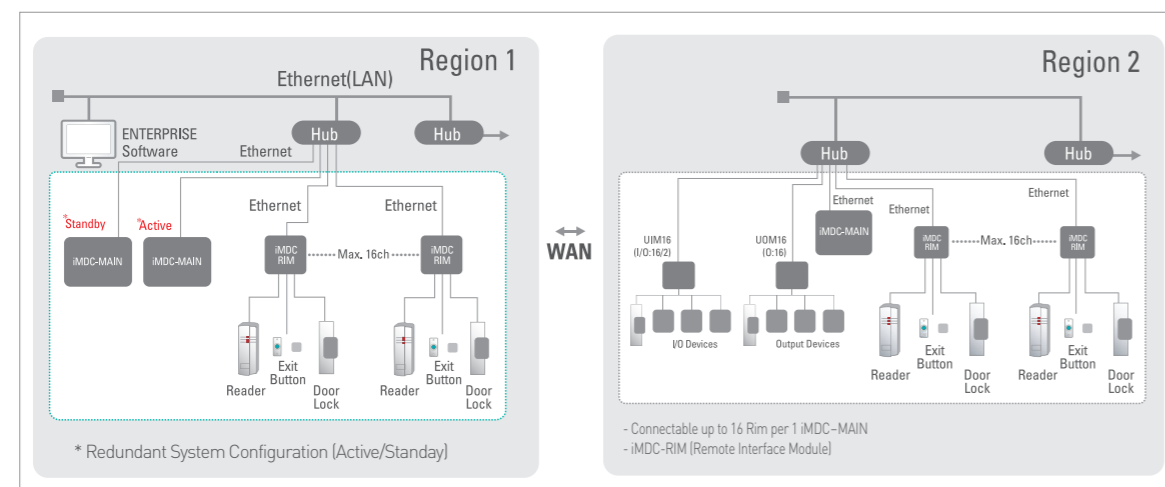
Compatible Reader Series

- 125KHz Proximity RF Reader **RF10, RF20, RF TINY, RF30, RFK101, FGR006, LX006**
- 13.56MHz (MIFARE) Contactless SMART Card Reader **SR10, SR10E, SR30, SRK101, FGR006SR, LX006SR**

Management Software for Large Size Business Total Security (STARWATCH ENTERPRISE)

- Controls and manages multiple buildings, sites and locations via LAN/WAN communication
- Fault Tolerant System support for stable operation during emergency
- Maximized performance and system stability by distributed installation environment
- Offers integrated monitoring (By User, Event, Alarm, etc)
- Comprehensive log management for higher administrative security
- Data transmission using the 3DES encrypted algorithm (Between iMDC-MAIN and Communication Sever)
- Supports configuration setting per user and device
- Configuration setting synchronization between device and software
- Group management by department, company, region for managing large amount of information
- Various Anti-Passback modes (Local, Zone, Global, Timed, Soft, etc)
- Easy installation and basic setting using the setup wizard
- System integration available with CCTV, alarm, fire alarm, BMS and other security systems
- Allows real-time monitoring of access control events by adding on iDWATCH VIEW PRO S/W (Supports Integrated Monitoring)
 - Management Software **STARWATCH ENTERPRISE**
 - Management Software for Video Surveillance and Access Control System Integration **iDWATCH VIEW PRO**

Access Control System Configuration for Large-Size Business



Management Software

STARWATCH ENTERPRISE

Access Control Management of Large-Size Business __ Refer to P52-53



STARWATCH STANDARD

Access Control Management of Medium-Size Business __ Refer to P54-55



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

Access Control Management of Small / Medium-Size Business __ Refer to P60-61



iDWATCH IAD PRO I/II, IAD BASIC I/II, VIEW PRO

Central Monitoring System for Video Surveillance Access Control __ Refer to P64-65
* CMS S/W for Central Monitoring

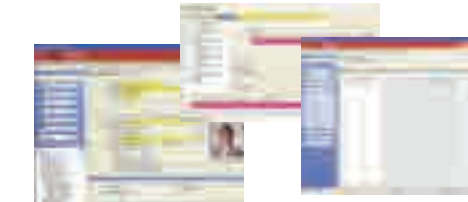


STARWATCH TIME PRO

Professional Time & Attendance Management __ Refer to P56-57

STARWATCH TIME BASIC

Basic Time & Attendance Management __ Refer to P58-59



**STARWATCH ELEVATOR PRO
STARWATCH ID BADGING PRO**

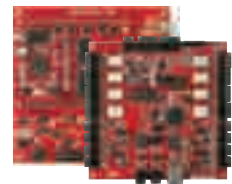
Additional Modular Software __ Refer to P67-68



Access Control Panel

iMDC Controls up to 32 Doors

__ Refer to P88-89



iEDC Controls up to 8 Doors

__ Refer to P90-91
* PoE Support/ Web Configuration Support



UIM16 / UOM16 Input / Output Expansion Board

__ Refer to P90-91



iTDC Series Controls up to 4 Doors

__ Refer to P92-93



iCON100 Controls Single Door

__ Refer to P94-95



ELEVATOR384 Elevator Management

__ Refer to P96-97



Standalone/ Network Controller

MAC2000 Series

Face / Fingerprint / Card(PIN) / PW Identification __ Refer to P102



MAC1000 Series

Fingerprint / Card(PIN) / PW Identification / Embedded Camera __ Refer to P103



LX007 Series

Fingerprint / Card(PIN) / PW Identification __ Refer to P104



FINGER007 Series

Fingerprint / Card(PIN) / PW Identification __ Refer to P105



LX505 Series

Card(PIN) / PW Identification __ Refer to P106



505R Series

Card(PIN) / PW Identification __ Refer to P107



100R Series / PIN120 Series

Card(PIN) / PW Identification __ Refer to P108



RFL200/200C Series

Card Identification __ Refer to P109



Reader & Card

LX006 Series

Fingerprint / Card Identification __ Refer to P118



FINGER006 Series

Fingerprint / Card(PIN) / PW Identification __ Refer to P119



FGR006 Series

Fingerprint / Card Identification __ Refer to P120-121



RF Series

125 KHz [PSK Format] Reader Series __ Refer to P124-125



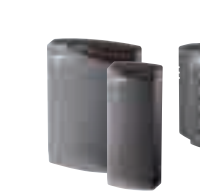
IP Series

125 KHz [ASK/EM Format] Reader Series __ Refer to P126



SR Series

13.56 MHz SMART Card Reader Series __ Refer to P128-137



RF245 (3M/ 5M/ 10M Read Range)

2.45 GHz Long Range Reader __ Refer to P142



IDC80 (125 KHz) Card __ Refer to P127

ISC80 (13.56 MHz) Card __ Refer to P138

IDA245 (2.45 GHz) Card __ Refer to P143

