

...Standing behind the millions of KEYKING products sold in over 50 markets around the world – with professional, friendly, local support...



Integrated Security Solutions

PRODUCTS

2023-2024 CATALOGUE

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www.keyking.net



NIZAN. GANANI
Managing Director
KEYKING TECH LABS - Israel

I am proud to be a part of Keyking group, a driving power, World-Leader company, in the security field, that has all the aspects to supply full security solutions.

I work in the security field for more than three decades and have a lot of experience as CEO for a few startup companies and also as a security consultant. It is a great honor, being a part of Keyking group, a company that always ready to take the customer's needs, as a challenge, providing solutions as a technologic partner.

Keyking group has a longstanding tradition of building long term relationships with customers. The many companies that have repeatedly turned to us to address their security integration solutions, and are depending on Keyking group partner, prove the inherent value of this approach. Our highly trained and experienced professional teams, share Keyking's customer-oriented approach. Members of our team are selected, based not only on technical and industry experience, but also for their integrity, initiative, and dedication to excellence.

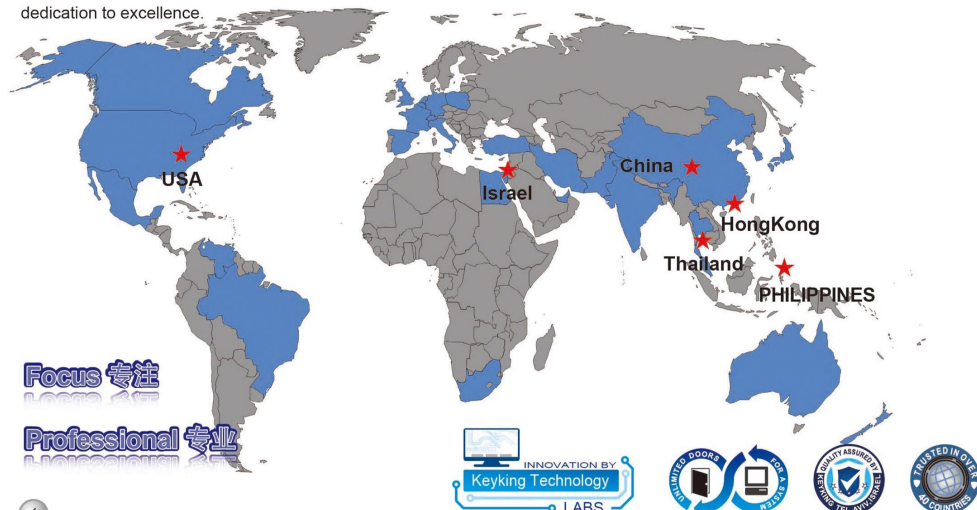
KEYKING has the customer needs on top of all consideration. Striving to exceed all expectation created an Ultra-Fast responsive company that keep on creating new products while keeping the old models relevant and making systems



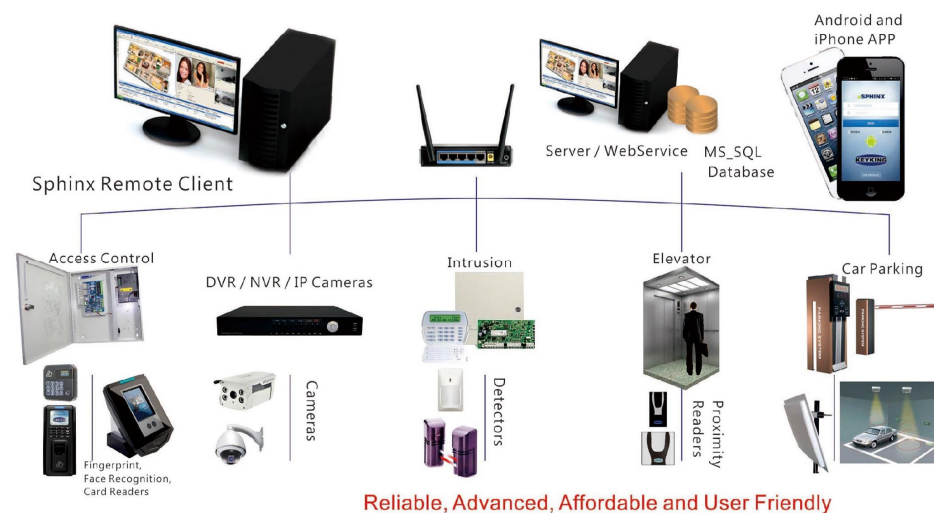
Avigdor Dagan – M.Sc.
Director – VP America Operations

that are backward compatible to the beginning of the millennium! Israeli Style R&D combined with European Quality Standards makes KEYKING the best and most innovative company in the field. The best combination of: Features, Quality, User-Friendly, Reliability, Flexibility, Scalability and COST. Adding the generic concept and adaptation to most existing and future infrastructure ensure longevity and usability in any situation and application.

I am certain that anyone who use KEYKING products fell in love with them, even though it is not a big brand, it is a great product with the best capabilities in the world. This prove that NAME is not the most important, ACTIONS are more important.



Integration | K-Net | Integration Architecture



Brand Development



Sells and Service





SOFTWARE

ACCESS CONTROL

ELEVATOR CONTROL

READER

CONVERTOR

PARKING SYSTEM

GUARD PATROL

HOTEL LOCKS

POS

TURNSTILE

ACCESSORIES

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Integration System Diagram





Sphinx Integration Platform

A real security can exist only when the given system is fully integrated, easy and simple to operate on a daily basis as well as in an emergency. Many systems fail due to lack of synchronization between the different system components.

For example if access control or the intrusion detection systems are not synchronized with the CCTV within the same application, it will be difficult to identify the location of the security breach and to view the real-time video as well as the event recording immediately. This will result in lack of understanding regarding the nature of the event and thus incapability to respond properly and handle it.

Sphinx software is a command and control application which was specially developed in order to solve the above failure in building security and management.

Sphinx is easy and simple to operate, providing one brand new, state of the art interface for command and control based on dynamic maps.

System Features

- Sphinx is the integration system which includes Access Control System, CCTV, Intrusion Detection, based on TCP/IP.
- Sphinx offers complete development tools for other integrated system: (1) Database Share, (2) OPC (OLE for Process Control), (3) SDK Development Kit (4) TCP/IP protocol. Integrated system Solution, in order that other application systems can combine with easily.
- Sphinx provides more security platform, also we can customize the software according to customer's requirement if needed.
- Sphinx Software is user-friendly, which provides simple and clear instructions for customer.

Customized Interface

According to customer's different requirements, they can customize the structure, module, and all the icons on the interface.

Multi-Database Available

Sphinx Integration System could support both Windows MS_Access Database and MS_SQL Database, MS_Access database is free for small quantity doors choice, if there are big project with mass quantity doors points, MS_SQL Database is better choice, which can keep the system to be more stable and easy to be share.

Multiple Operators

- (1) Sphinx Software allows multiple users (software operators) simultaneously and can give each user a different level of access.
- (2) Initially, only one user called "Administrator", who can authorize different users to have different Access Levels, then they have the limited Access Level for his own department.
- (3) Sphinx System consists of PC and C/S, each client can be connected with different controllers by administrator's setting, each client can only monitor the controllers which are connected.

Export and Import Events Automatically

Sphinx4 can export transactions to a txt or excel format document, besides it also can import Excel documents from other system.

Remember the Operation Screen

When choose remember screen, when the operator log in next time, Sphinx4 will go back to the operation screen the time you log out.

Card Printer

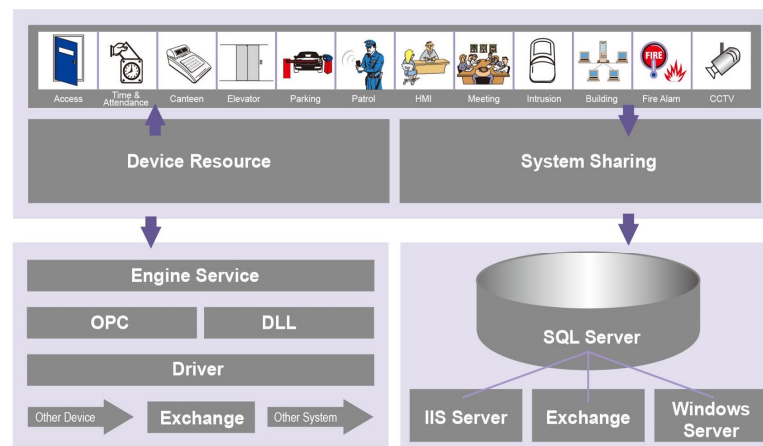
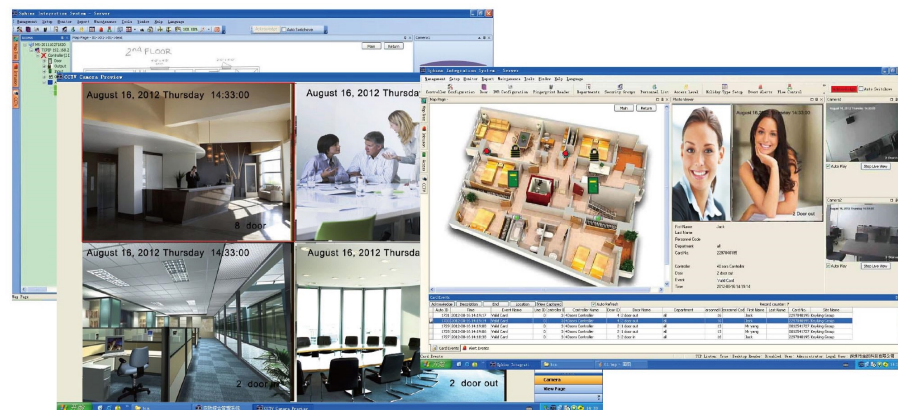
When operator issues a card for an employee, he can print his card immediately through any professional card printer. Card Printer Module supports any kind of card printer, such as Fargo, Datacard, and so on. Operator can choose a template for each people or department.

Sphinx Functions/Module

- Access Control System Time & Attendance Lift Control
- Online Patrol Meeting Register System Library Management System
- POS Guard Patrol
- Parking Lot Card / ID Recognition System Parking Guidance System
- Card Printer Web Server
- IOS APP Android APP



Sphinx Integration Platform



OPC(OLE for Process Control) is an industrial standard. Based on the Microsoft OLE (like: Active X), COM (component object model) and DCOM (Distributed Component Object Model) technology. OPC includes a full set of interface, attribute and methods standard, applied in process control and manufacturing automation system.

WEBSERVER

Sphinx Web Server

Access Control

Parking System

Fire Alarm

Lift Control

Burglary System

Attendance

IOS, ANDROID

Smart Phone APP

Access Control

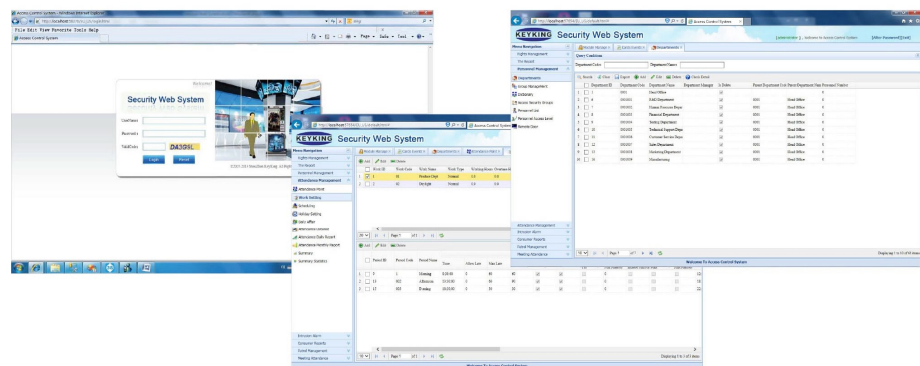
Parking System

Fire Alarm

Lift Control

Burglary System

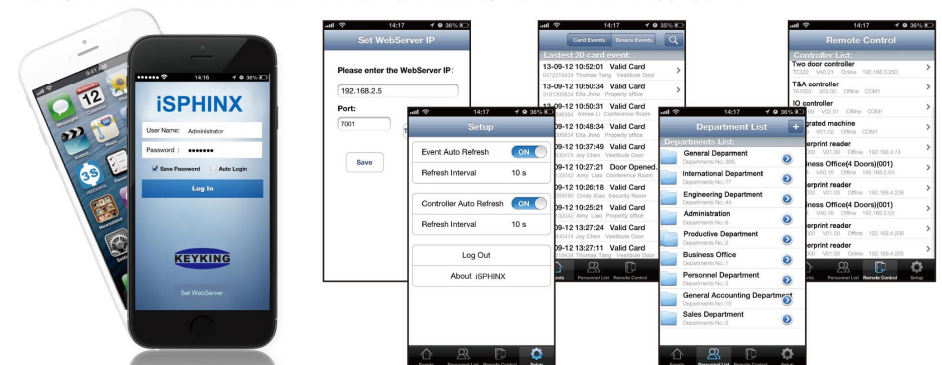
Attendance



WebServer client gives almost same feature as SPHINX pc client, operator can manage everything from the IE browser through internet or 3/4G.

iSPHINX

iSPHINX is a Access Control client based on Apple IOS smart phone, which is compatible with IOS7 and IOS8. Through iSPHINX you can manage the cardholder and remote all doors, of course you can change the access level for any people also.

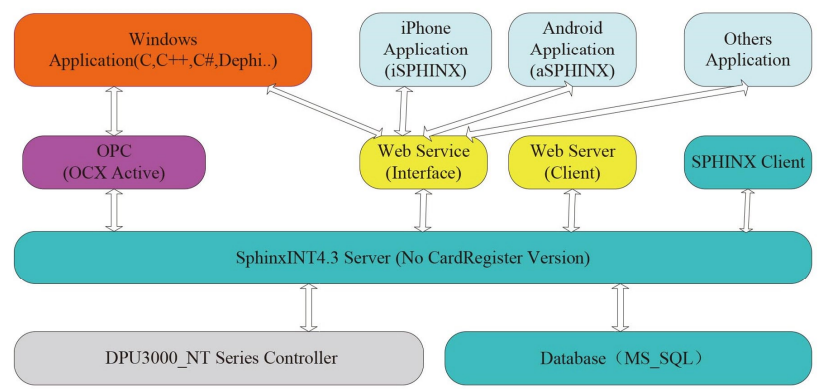


aSPHINX

aSPHINX is a Access Control client based on Android smart phone, which is compatible with Android4.3. Through aSPHINX you can manage the cardholder and remote all doors, of course you can change the access level for any people also.



KEYKING Integrated Security Solutions Structure





This module offers the user layer-based graphical interface in order to monitor multi sites and navigate between the different buildings and floors of the project.

The application is based on different levels which can be zoomed in and out:

Global Map – presenting the entire sites which exist in the project.

Site Map – presents the entire buildings in the selected site.

Building map – presents the entire floors in the selected building.

Floor map – presents all the security elements (doors, gates, cameras, intrusion zones etc) which exist in the floor.

- Multi operator rights management is for different department, door, some of them can manage a few doors instead of all, some of them can manage a few users instead of all.
- Visible Zoom In/Out map: automatic switch according to the changes of point status. Operator will know everything through maps, and can control all points through icons of map also.
- Popup feature: every event can bring front of screen as Popup, display as different voice and symbol.
- Email notification: all Alarm events can make an email to specified people automatically.
- Different colors for different events.
- Different screen styles for different applications.
- Export module for the 3rd part application.
- Flexible filter to search transaction and locate every item.
- Security Group: Easy to set up access level for each cardholder.
- Copy and Paste function, to make everything easy.
- Supporting DPU3000 series, DIO3168NT series etc..

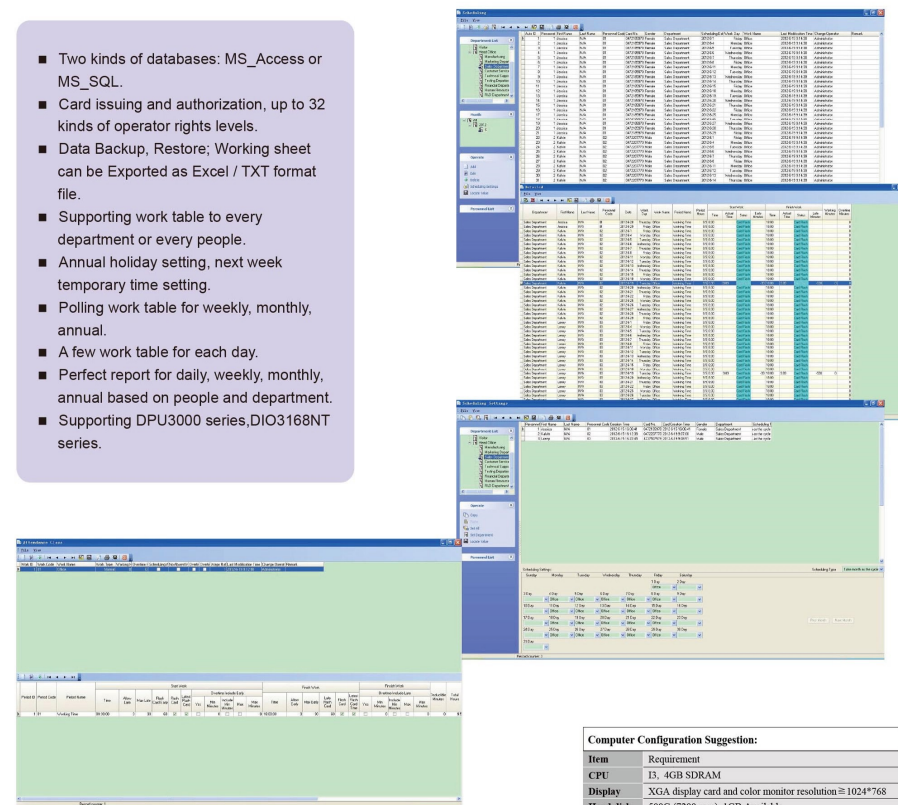


Computer Configuration Suggestion:	
Item	Requirement
CPU	13, 4GB SDRAM
Display	XGA display card and color monitor resolution ≥ 1024*768
Hard disk	500G (7200 rpm), 1GB Available
CD-ROM	Yes
Keyboard	Standard
Mouse	Standard
Database	MS_ACCESS, MS_SQL, SQL_EXPRESS
Operation System	Windows 2000 Professional SP4/Server, Windows XP, Windows7



Attendance is one module of Sphinx Integration, which will give daily, monthly report to the human resource manager. No matter how many times transaction you flash card within one day, Attendance will give you a correct report about absence, late overtime, holiday works overtime etc..

- Two kinds of databases: MS_Access or MS_SQL.
- Card issuing and authorization, up to 32 kinds of operator rights levels.
- Data Backup, Restore; Working sheet can be Exported as Excel / TXT format file.
- Supporting work table to every department or every people.
- Annual holiday setting, next week temporary time setting.
- Polling work table for weekly, monthly, annual.
- A few work table for each day.
- Perfect report for daily, weekly, monthly, annual based on people and department.
- Supporting DPU3000 series, DIO3168NT series.



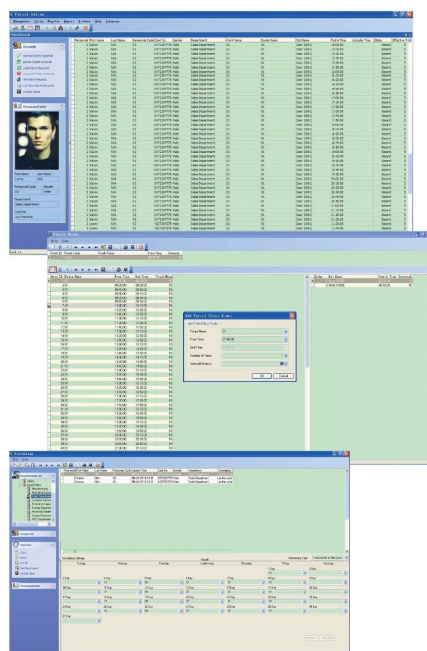
Computer Configuration Suggestion:	
Item	Requirement
CPU	13, 4GB SDRAM
Display	XGA display card and color monitor resolution ≥ 1024*768
Hard disk	500G (7200 rpm), 1GB Available
CD-ROM	Yes
Keyboard	Standard
Mouse	Standard
Database	MS_ACCESS, MS_SQL, SQL_EXPRESS
Operation System	Windows 2000 Professional SP4/Server, Windows XP, Windows7

PATROL ONLINE

Patrol Online Module

Patrol Online Module is a real time application for Guard Patrol, which support multi-time flash cards within one day; a leave of absence, work overtime, holiday works overtime, on business, card adjustment function; support shifting, cross day work time, multi-shifting; exportation variety of statements / reports, providing a rich condition combination search function. To facilitate real-time patrol status, particularly suitable for prison house, public security organs, high-grade community, high security areas.

- Multiple languages: English/Spanish/Russian/German, which is alterable and optional for customer's preference.
- Two kinds of databases: Access2000/SQL2000.
- Multiple operator rights levels management, director can only operate attendance data within their own department.
- Data Backup, Recovery, Working sheet can be Exported as Excel / TXT format file.
- Powerful team / group setting function, operation more convenient.
- Reflect real time patrol status.
- Flexible setting of guard patrol points, routes and schedules.
- Can establish patrol schedule, and realize the schedule circulation function.
- Various color cue function, different color display mean different event types.
- Automatic voice reminds for late / leakage of patrol inspection, broadcast the missing patrol points by voice. Automatic playing English pronunciation.
- Powerful reporting capabilities can generate all kinds of reports, which could exported by time, individuals, departments, shifting and other information.
- Supporting DPU3000 series, LPU8110NT series etc..

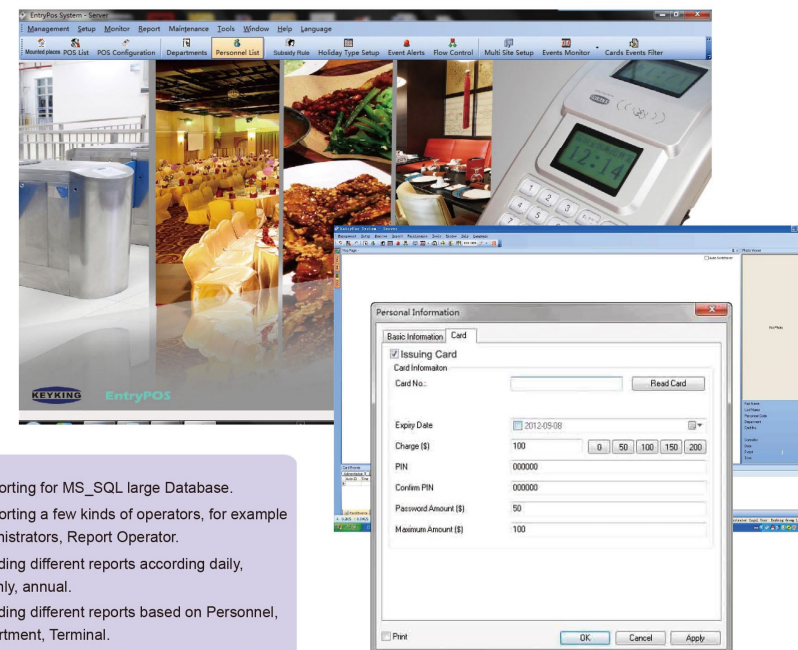


Computer Configuration Suggestion:	
Item	Requirement
CPU	I3, 4GB SDRAM
Display	XGA display card and color monitor resolution ≥ 1024*768
Hard disk	500G (7200 rpm), 1GB Available
CD-ROM	Yes
Keyboard	Standard
Mouse	Standard
Database	MS ACCESS, MS SQL, SQL EXPRESS
Operation System	Windows 2000 Professional SP4/Server, Windows XP, Windows7

ENTRYPOS CANTEEN

EntryPOS Canteen Module

EntryPOS is a Point of Sale system for a canteen, which support Small Money Bank. It often used for the internal canteen of a company, or small area.



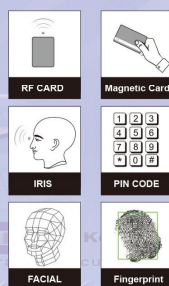
- Supporting for MS_SQL large Database.
- Supporting a few kinds of operators, for example Administrators, Report Operator.
- Providing different reports according daily, monthly, annual.
- Providing different reports based on Personnel, Department, Terminal.
- Subsidy: to broadcast subsidy to every POS terminal for all staff.
- PIN is available for every user.
- Max value for each time is available also.
- 1 time limited during a period like Breakfast, Lunch, or Super.
- Supporting up to 999 PCS foods or products in menu.
- Automatic data backup / Manual recovery.
- Quick searching / add / delete.
- Supporting CS-9902DTM series.

Computer Configuration Suggestion:	
Item	Requirement
CPU	I3, 4GB SDRAM
Display	XGA display card and color monitor resolution ≥ 1024*768
Hard disk	500G (7200 rpm), 1GB Available
CD-ROM	Yes
Keyboard	Standard
Mouse	Standard
Database	MS ACCESS, MS SQL, SQL EXPRESS
Operation System	Windows 2000 Professional SP4/Server, Windows XP, Windows7

PARKWATCH3000

Software

Car Parking Module



Providing Server, Guard Booth Client, Vehicle License Plate automatic recognition and other modules, unified management, to provide customers with integrated solutions; good expansion, working with other subsystem seamlessly, customers could choose the single function modules or functional modules, and sharing all of the data resource.

- Multi-Language
Three languages: Chinese Simplified / traditional / English, which is alterable and optional for customer's preference.
- Supporting MS_SQL large Database.
- Multiple operator rights levels management.
- Supporting monthly card, hour-hire card, special card and other payment methods.
- Charge by time, could distinguish peak time or idle time.
- Voice remind by different grades, separate broadcast.
- Convenient setting of display screen, self-defined content.
- Separated management of Guard Booth and Server, which is more safe and reliable.
- Vehicle License Plate automatic recognition modules (Optional).
- Automatic data backup / manual recovery.
- Quick searching / add / delete.
- Supporting KEY3000 Series.



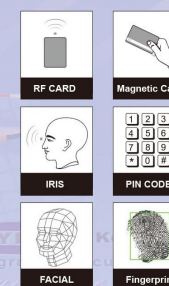
Computer Configuration Suggestion:

Item	Requirement
CPU	13, 4GB SDRAM
Display	XGA display card and color monitor resolution ≥ 1024*768
Hard disk	500G (7200 rpm), 1GB Available
CD-ROM	Yes
Keyboard	Standard
Mouse	Standard
Database	MS_ACCESS, MS_SQL, SQL_EXPRESS
Operation System	Windows 2000 Professional SP4/Server, Windows XP, Windows7

PGS1000

Software

Parking Guidance Module



PGS1000 Parking Guidance Module is based on A8 processor, with Linux system and B/S structure, which adopt embedded system and built-in browser interface. Of course you can visit it by a normal PC, and we can make a PC based application with it also.

- Multi-Language
Dual existing languages: Chinese Simplified / English, once you would like to add another language, will be finished in very short time.
- Supporting My_SQL Database.
- Map: Show Parking Lots Maps
- Import: easy to import parking area draw as the map background
- Car Icon: different car icon option.
- Multiple operator rights levels management.
- Router: give drivers the router to his car.
- Indicator: very clear indicator for occupied and available.
- Report: many kinds of reports for arrival and leave
- Voice remind by different grades, separate broadcast.
- Convenient setting of display screen, self-defined content.
- Separated management of Guard Booth and Server, which is more safe and reliable.
- Automatic data backup / manual recovery.
- Quick searching / add / delete.
- Very good connection with KEY3000 parking system.



Computer Configuration Suggestion:

Item	Requirement
CPU	13, 4GB SDRAM
Display	XGA display card and color monitor resolution ≥ 1024*768
Hard disk	500G (7200 rpm), 1GB Available
CD-ROM	Yes
Keyboard	Standard
Mouse	Standard
Database	MS_ACCESS, MS_SQL, SQL_EXPRESS
Operation System	Windows 2000 Professional SP4/Server, Windows XP, Windows7

KEYKING

Software

LIBRARY MANAGEMENT

Library Management Module

RF CARD

Magnetic Card

IRIS

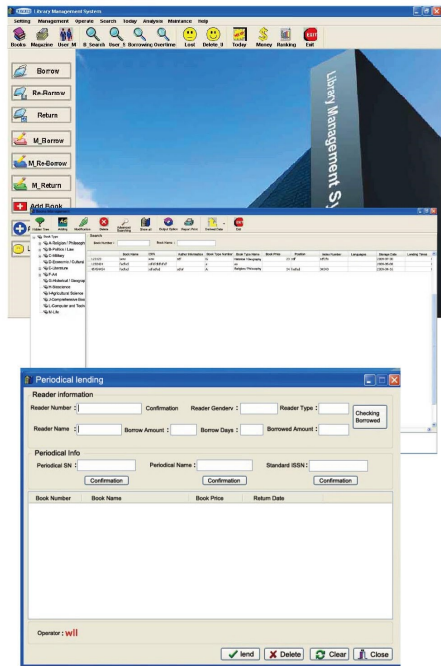
PIN CODE

FACIAL

Fingerprint

Librarian operating authority could be set in system, borrower could be managed separately, library borrowing expiration remind, automatic checking stock status. Books classification management, subjects systematization searching, can print various reports, also could be exported for use of other systems.

- Supporting for MS_SQL large Database.
- Supporting system administrators, librarians and other multi-level management model.
- Can manage library borrower in different classification, could be divided into " undergraduate, postgraduate, doctor, staff" and many other categories.
- Combined with the technology of RFID, automatic recognition of library borrower identity, without any further verification.
- Automatic billing, accounting costs by category of extended.
- Enroll books ISBN automatically through bar code.
- Display screen setting is convenient, self-definition content is available.
- Automatic data backup / Manual recovery.
- Quick searching / add / delete.
- Supporting 5516E / M, 5588 series Desktop reader and USB laser bar code scanners series.



Computer Configuration Suggestion:	
Item	Requirement
CPU	I3, 4GB SDRAM
Display	XGA display card and color monitor resolution ≥ 1024*768
Hard disk	500G (7200 rpm), 1GB Available
CD-ROM	Yes
Keyboard	Standard
Mouse	Standard
Database	MS_ACCESS, MS_SQL, SQL_EXPRESS
Operation System	Windows 2000 Professional SP4/Server, Windows XP, Windows7

KEYKING

Software

HOTELLOCK

Hotel Lock Management Module

RF CARD

Magnetic Card

IRIS

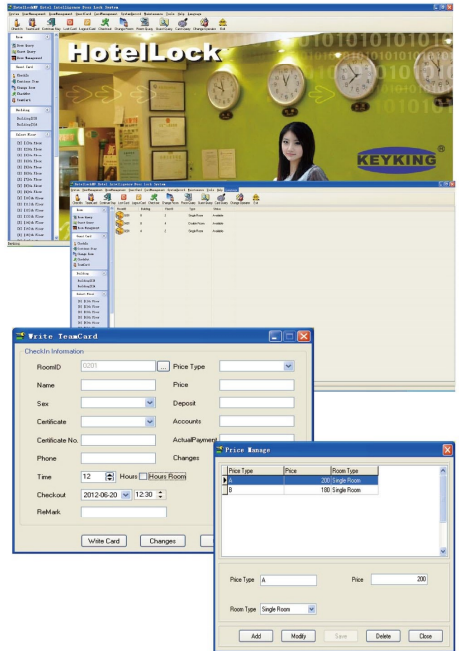
PIN CODE

FACIAL

Fingerprint

HotelLock System is a management which can control electronic locks of hotel, can manage check-in and check-out. Operator will know the status of room, for example: booked, clearing, occupied. Nowadays our hotel lock system can be integrated with other access system (such as Parking system, hotel lobby entrance, swimming pool entrance, Massage entrance, etc.). Thus, the Guest can use his card open his room and other entrances (such as Parking system, hotel lobby entrance, swimming pool entrance, Massage entrance, etc.). It is convenient for hotel management.

- Perfect Card Type Design
System support Master card, Authorization card, Temporary card, Event cards, Building card, Cleaner card, Floor card, Engineer Debug card, Guest card, Group Number cards, Emergency card, Closed cards and other type card.
- Area control: Cards of different types and levels can open different locks in different locations.
- Five levels of control: General control, building control, floor control, area control and room control.
- Room management: established rooms in database according each floor and building.
- Visible room status: Booked, Occupied, Cleaning, Available.
- Cipher coding to key card: Each card has a unique code that cannot be copied. Compulsory decoding will destroy the card automatically.
- Timing control: Working clock is set inside locks to control the effective time limit of card keys.
- File record: All issued card keys have records including each opening (also mechanical key opening).
- Loss reporting: Open function can be cancelled when the card is missed.
- Event Collection
System can support event collection function without wiring, which enable management Party and the Public Security Organs to collect information after theft / accident.
- Output report to a document
Hotel Lock Module could provide screen browsing, also provide TXT or EXCEL export function, which can imported all information into other systems. And import data from other systems by EXCEL.



Computer Configuration Suggestion:	
Item	Requirement
CPU	I3, 4GB SDRAM
Display	XGA display card and color monitor resolution ≥ 1024*768
Hard disk	500G (7200 rpm), 1GB Available
CD-ROM	Yes
Keyboard	Standard
Mouse	Standard
Database	MS_ACCESS, MS_SQL, SQL_EXPRESS
Operation System	Windows 2000 Professional SP4/Server, Windows XP, Windows7

DPU1000 Series Access Controller (Door Process Unit)

DPU1000 (Economic, 1 series Access Controller) is a new design and state-of-the-art 1/2/4 doors access controllers made by KeyKing. It's the most cost effective solution for today's intelligent building. Perfectly designed to work with the Sphinx Software.

The DPU1000 allows wide range of security levels, according to thesecurity level required at the location of the DPU1000, which can be used to control and record employee entry/exit inside or outside of restricted areas. The recorded data may be automatically fed into access control software, security software, statistical analysis software or other applications.

Each DPU1000 controller can work independently, both offline and online. When working offline, it will store all the security definitions, as well as card holders and transactions information.

Specification

CPU	32 bits ARM® Cortex-M3 Processor
Data Memory	4M Flash, 512M SDRAM, 4MSRAM
Card/Transactions capacity	Cards holder capacity: 10,000 Transactions: 100,000
Reader	Compatible with all Wiegand reader formats from 24 to 72 Bits (Fingerprint reader, EM/Mifare reader) Supports many brands such as Keyking, Indala, HID, and Rosslare...
Communication	TCP/IP (10/100M Based) RS485: Up to 127 controllers per RS-485 bus; Up to 1,200M per RS485; Baud Rate: 9600Bps
Input/output port	RJ45 Socket for readers Dry Contact relay/extension relays output, 12V DC, 5A Exit Buttons, Door Lock Sensors, Extension Inputs
Protection circuit	Protection: input over-current protection, automatic reply in normal status, All input / output with dynamic voltage protection All relay output with instant over-voltage,
Auto-Inspection	Available
LED Indicator light	3 Colors (red, green, yellow), Yellow: Power, Red/Green: Communications
Power	Operating Voltage: 12V DC (±10%) Operating Current: ≤200mA
Work Environment	Temperature: -40 to 70°C Humidity: 0 to 90%
Package	Metal Housing with Power Supply
Sphinx Software	Windows XP, Win7, Win8 Multi-Language (English, Spanish, Russian, Norwegian, Italian, French, Hebrew, and others)

Order Information

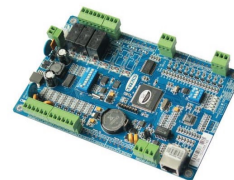
Model	DPU1012NT	DPU1024NT	DPU1044NT
Item			
Communication	TCP/IP RS485	TCP/IP RS485	TCP/IP RS485
Doors	1	2	4
Reader Sockets	2	4	4
Card Holder	10 000	10 000	10 000
Transaction	100,000	100,000	100,000
AUX-IN	2pcs	2pcs	2pcs
AUX-OUT	2 pcs	2 pcs	2 pcs
Weight	3Kg	3Kg	3Kg

Features

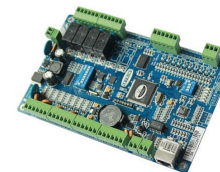
- Multi cards up to 8 cards, which are required for opening a door
- Supports up to 500 temporary cards with security settings
- Security Group Settings
- holidays for 2 years
- 15 Time Zones for each door
- 24 sets of Flow Control to interlock AB doors each other, to Lockdown many doors
- Event Flow Control
- Programmable Door Status
 - Always Open
 - Always Closed (but can be opened by Boss cards)
 - On/Off
 - Sleep
 - PIN Required
 - Anti PassBack
- Multiple types of Events
- Supports online computer polling
- TCP Communication speed: 100M
- 15 Time Groups for each door
- Supports Boss and Manager Cards: Flashing Boss card twice times in 8 seconds, the door will keep opened until flashing Boss card twice again.
- 1 Lithium battery backup (up to 10 years data retention)



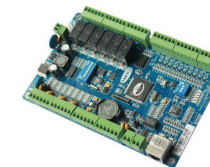
DPU1000 Series Access Controller (Door Process Unit)



DPU1012NT



DPU1024NT



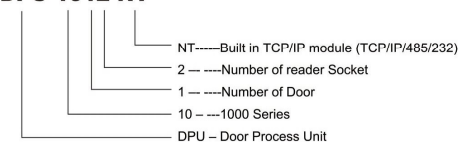
DPU1044NT

System Configuration

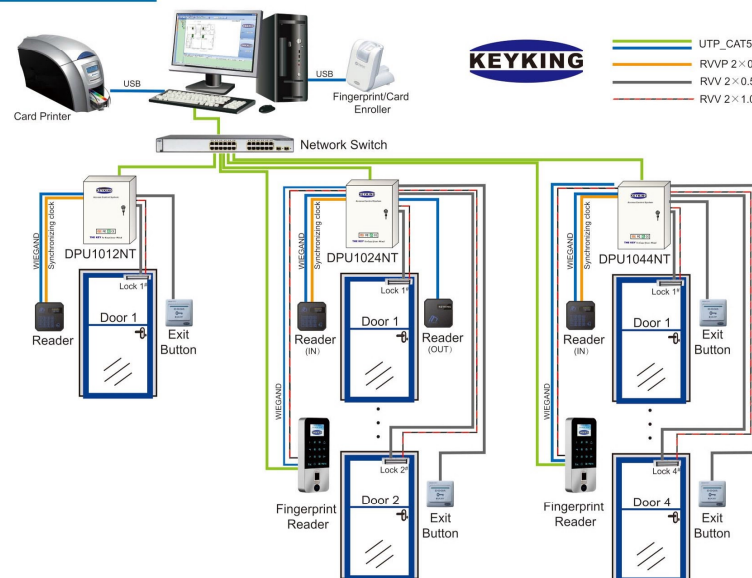
- DPU1012NT Access Controller
- 6609E / 6610E / 6611KE Reader
- Sphinx4 Integration Software
- IC-232, Protocol Converter (Option for RS-485 controllers only)
- SMPS1260, Electric Lock Power Supply

Model Identification

DPU 1012 NT



System Diagram



DPU3000 - OS

OSDP Networked Controller

Master & Slave Card

Dual Power – 12VDC or POE

Backup Battery Input

Full Range Wiegand Reader Compatible

OSDP Reader Compatible

Supervised Inputs

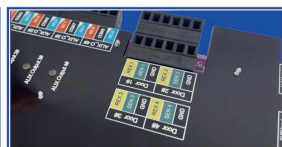
Biometric Integration

Multi-Factor ID and Advanced

Multi-Credential Access



Power Over Ethernet



Supervisor



Wiegand & OSDP Reader compatible

DPU3000-OS TCP/IP Access Controller

Item	Model	DPU3012-OS	DPU3022-OS	DPU3024-OS	DPU3044-OS	DPU3048-OS	DPU3088-OS	DPU308F-OS
Doors		1	2	2	4	4	8	8
Readers Sockets		2	2	4	4	8	8	16
FIFO		Cardholders: 100,000(Default), can be expanded to 250,000; Transactions:1,000,000PCS(2,000,000 Option)						
AUX-INPUT		4	4	4	4	4	4	4
AUX-OUTPUT		2	2	2	2	4	2	2
Size		403×384×72mm						
Weight		Model: 5Kg						

DPU3000 - OS

OSDP Networked Controller

Features

- SPHINX-4 Integrated Security Software
 - SPHINX-4 Integrated Security Software with CCTV, Intrusion, Biometric Integration, Enterprise-Global and Remote Access Capabilities.
- Advanced ARM M4 Processor; High Speed Response – 100,000 credentials in 0.1 Sec
- PoE 802.3at: Power supply for reader, controller and low power lock via CAT5/6 network cable.
- Flow Control
 - Scenario Based Logical Event and I/O based configuration with mathematical algorithms.
- Multi-Credentials, Multi-Factor ID and other High-Security Options.
 - Pay-Per-Swipe and many more capabilities.
- Seamless Operation and recovery for On-Line and Off-Line modes
 - On-Line: connected to SPHINX Software,
 - Off-Line: Stand-Alone, not connected to server

Specifications

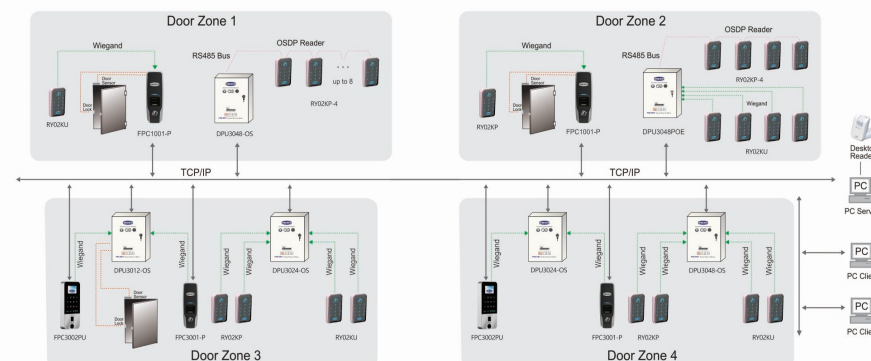
CPU	32 bits ARM® Cortex-M4
Cardholder Capacity	100,000(Default), can be expanded to 250,000.
Transactions	1,000,000 PCS (2,000,000 Option)
Communication	TCP/IP 10/100M adaptive ; RS485
POE	802.3at
Reader Amount	Wiegand readers + OSDP readers
Reader Interface	Wiegand Input Device: <ul style="list-style-type: none"> • ID/IC card reader • Fingerprint device • Face recognition device RS485 bus device: <ul style="list-style-type: none"> • OSDP reader
Door Input	8 REX, 8 Door sensors
Aux Input	4
Aux Output	2
Working Environment	- 20°C ~ 65°C, 0-95%RH
Power Input	12VDC, 3A
Power Output	12VDC, 600mA
Backup Battery	12VDC/7Ah
Dimensions	W138 x H133 x D20mm (controller) W384 x H403 x D72mm (cabinet)
Certification	CE, FCC, RoHS

Secured Operation:

- OSDP Encrypted Readers Compatibility
- Wiegand Readers Inputs – Full range 24-72 bit, including proprietary readers.
- 9 Door Access Options: Standard, Handicap, Multi-Card, Multi-Factor ID, Anti-Pass-Back, Supervisor-User, Multi-User-Group, Video-Verified by Guard, Manager, Master, Emergency.



System Configurations



Network

DPU3000POE

POE Networked Controller

Power over Ethernet

Full Range Wiegand Reader compatible

RS485 Reader Compatible

Supervised Inputs

Multi-Factor ID and advanced

Multi-Credential Access



Power Over Ethernet



Supervisor



Wiegand & RS485 Reader compatible



Secured Operation

- RS485 card reader: all doors support 485 reader, transmit the encrypted data, and effectively prevent the safety hazards caused by Wiegand signal transparent transmission.
- 9 Door Access Options: Standard, Handicap, Multi-Card, Multi-Factor ID, Anti-Pass-Back, Supervisor-User, Multi-User-Group, Video-Verified by Guard, Manager, Master, Emergency.

DPU3000POE

POE Networked Controller

Features

- SPHINX-4 Integrated Security Software
 - SPHINX-4 Integrated Security Software with CCTV, Intrusion, Biometric Integration, Enterprise-Global and Remote Access Capabilities.
- Advanced ARM M4 Processor; High Speed Response – 100,000 credentials in 0.1 Sec
- PoE 802.3af: A&B Format (End-Span & Mid-Span) with 600mA On Board and Backup Battery Connection
- Flow Control
 - Scenario Based Logical Event and I/O based configuration with mathematical algorithms.
- Multi-Credentials, Multi-Factor ID and other High-Security Options. Pay-Per-Swipe and many more capabilities.
- Seamless Operation and recovery for On-Line and Off-Line modes
 - On-Line: connected to SPHINX Software,
 - Off-Line: Stand-Alone, not connected to server

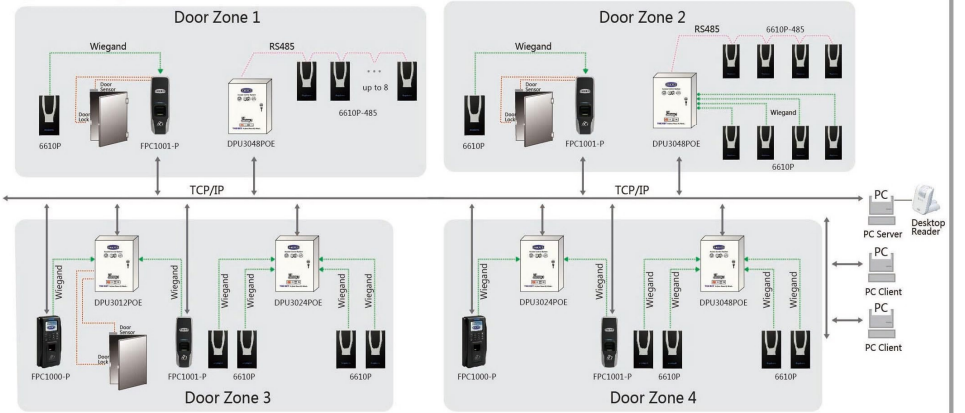
Order information

Item	Type	DPU3012POE	DPU3024POE	DPU3048POE
Descript		Single door controller	Two-door controller	Four-door controller
Doors		1	2	4
Reader Sockets		2	4	8

Specifications

CPU	ARM® Cortex-M4
Cardholder Capacity	100,000 credentials
Log Capacity	200,000 FIFO Events
Communication	TCP/IP 100MBPS Auto Sensing RS485,
POE	802.3af A & B Modes
Power Output	12Vdc 500mA
Backup Battery	PoE Mode – 12Vdc (non-charging) 12Vdc Mode – 12Vdc/7AH charging
Reader Inputs	RS485 Bus – 2 Wires up to 4 Readers Wiegand – 4-6 Wires, 12Vdc 200mA Weigand Format – 24-72BIT All Brands
Reader Mix	up to 4 Wiegand + 4 RS485 or up to 4 RS485
Door Inputs	4 REX, 4 Door sensors
Door Relays	4 SPDT 3A Form C
Aux Input	4 Configurable
Aux Output	2 SPDT 3A Form C Relays
Environment	0-95%RH -20°C ~ 65°C -4°F ~ 150°F
Power (non-PoE)	12VDC, ±10% - 200mA 12VDC, ±10% - 1.2A Max with 2 Wiegand Readers
Dimensions	W138×H244×D33 5.5" X9.5" X1.3"
Certification	CE, FCC, RoHS

System diagram



Knet-08

Access Controller For Cabinet
A Professional Hybrid controller compatible with server Cabinet

KEYKING
KEYKING GROUP

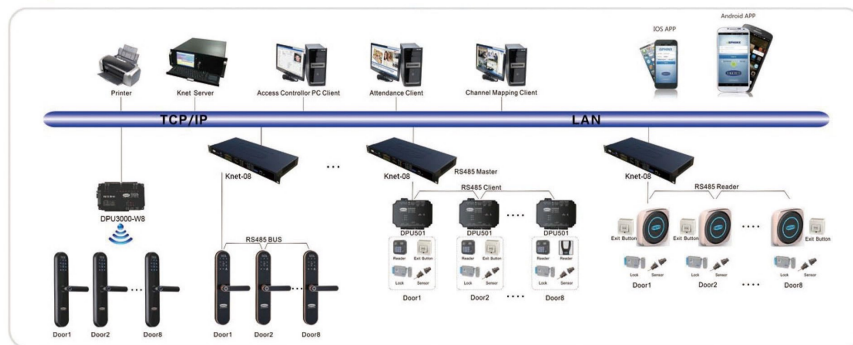
- Support up to 8 doors 16 readers
- RS485 equipment compatible
- OSDP reader compatible
- Dual power input – 80~250VAC or PoE+
- Backup battery monitor
- Single-door controller integration
- Fully compatible with Sphinx4 and Secusys2000



Summary:

Knet-08 access controller is an advance hybrid access controller designed to be installed in any standard server cabinet, and provide full access control solution to any organization.

Diagrams:



Knet-08

Access Controller For Cabinet
A Professional Hybrid controller compatible with server Cabinet

KEYKING
KEYKING GROUP

Features:

- Multi work modes:
 - Knet-08 + 8 units of DPU501
 - Knet-08 + 16 units of OSDP readers
 - Knet-08 + 8 units of Wiegand reader + 8 units of OSDP readers
 - Any combination of the modes above.
- Flexible RS485 bus management mode, every unit can be defined. Front access controller and standalone lock compatible
- RS485 encrypted readers compatibility
OSDP encrypted readers compatibility
- Compatible with DPU3000 and Kadio system.
- PoE+ 802.3at: 600mA on board and backup battery connection.
- Backup battery monitor and protection: low battery, stop to use battery when it is almost used up.
- Multi-credentials, multi-factor ID and other high-security options. Pay-per-swipe and many more capabilities.

Knet Layer Structure

- Layer 1: PC Client, APP
- Layer 2: Knet Server
- Layer 3: Access Controller For Cabinet, Wireless Controller
- Layer 4: Front Controller, Smart Lock Reader on the RS485 BUS
- Layer 5: Wiegand Reader, Stike Lock

Specifications:

CPU	ARM® Cortex-M4 Processor
Cardholder Capacity	100,000 credentials
Log Capacity	500,000 FIFO Events
Communication	TCP/IP 100Mbps Auto Sensing AES128 encryption
PoE+	802.3at
Power Output	12VDC, 2A
Backup Battery	Monitor and protection on low battery
DPU Unit / Standalone Lock	2 buses, up to 4 locks / DPU501 (Door Process Unit) each bus
OSDP Reader	1 bus, up to 16 readers
RS485 External Device	1 bus, up to 8 devices
Door Inputs	8 REX + 8 door sensors
Door Relays	8 SPDT 3A Form C
Aux Input	4 Configurable
Aux Output	2 SPDT 3A Form C Relays
Environment	0 ~ 95%RH -20°C ~ 65°C / -4°F ~ 150°F
Power (non-PoE)	80 ~ 250VAC
Dimension	1U, W440×H200×D45mm
Certification	CE, FCC, RoHS

DPU501 Controller:

1-Door Process Unit for Knet controllers

DPU501 is a 1-door processing controller, this controller is fully compatible with Knet controllers, and includes all the inputs and outputs necessary for a full control of any door.

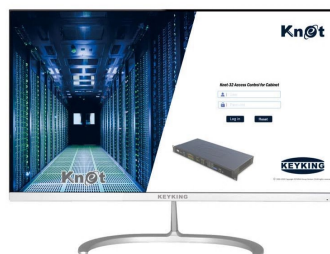


CPU	8 Bits Processor
Cardholder Capacity	10 emergency cards only, the rest are in Knet-08
Communication	RS485, with flow, overpressure, lighting protection
Reader Socket	2 Wiegand readers, IN & OUT
Door Input	REX, Door Sensor
Aux-IN, Aux-OUT	Aux-IN-2, Aux-OUT:1
Power	12V DC, 2A (Reader Power included)
Dimension	W134×H91×D32mm
Certification	CE, FCC, RoHS

Knet Series

Embedded Access control

- Support up to 32 Doors
- RS485 Equipment Compatible
- Manage in center, more security
- Single-Door Controller Integration
- Embedded system, No need Sphinx4



Features

- Multi work modes:
- Knet-32 + 32 units of DPU501
- Flexible RS485 BUS management mode, every unit can be defined.
- PoE+ 802.3af, Power over Ethernet, easy to use
- Embedded Appliance, will work without a computer.
Run independently, no need a separated software.
- Multi-Credentials, Multi-Factor ID and other High-Security Options.
Pay-Per-Swipe and many more capabilities.

Specifications

CPU	A8, 8 Core Processor
Cardholder Capacity	1,000,000 credentials
Log Capacity	2,000,000 FIFO Events
Communication	TCP/IP, 100/1000M Based AES128 Encryption
PoE+	POE+, 802.3at
Monitor	HDMI
Power Output	12Vdc, 2A
Backup Battery	Support
DPU Unit / Standalone Lock	4 x RS485, up to 8 pcs DPU501 every RS485 bus
RS485 External Device	1 bus, up to 8 devices
Environment	-20°C ~ 65°C -4°F ~ 150°F 0-95%RH
Power (non-PoE)	80/240VAC, POE+
Dimensions	1U, W440×H175×D45
Certification	CE, FCC, RoHS

Knet Series

Embedded Access control



Knet-16E



Knet-32E



Knet-64E



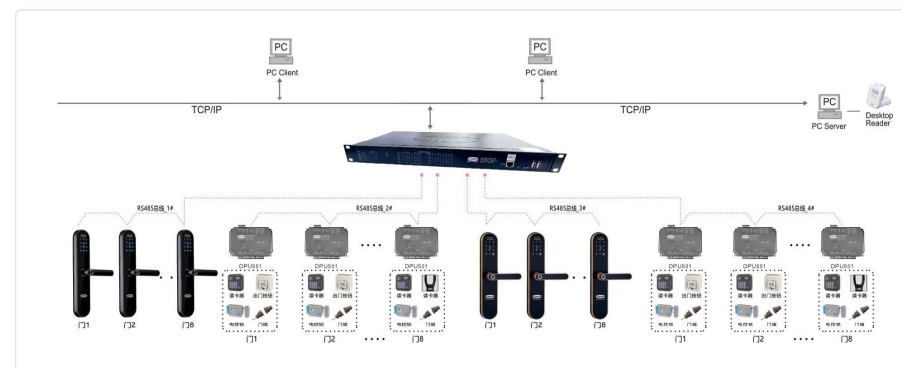
DPU501 controller

1-Door Process Unit for Knet controllers

DPU501 is a 1-door processing controller, this controller is fully compatible with Knet controllers, and includes all the inputs and outputs necessary for a full control of any door.

CPU	8 Bits Processor
Cardholder Capacity	1,000 emergency cards only, the rest are in Knet-08
Communication	RS485, with flow, overpressure, lighting protection
Reader Socket	2 Wiegand readers, In & Out
Door Input	REX, Door Sensor
AUX-IN	2
AUX-OUT	1
Power	12Vdc, 2A (Reader Power included)
Dimensions	W135×H108×D32
Certification	CE, FCC, RoHS

System Configurations



BPU8018P

VIP、Bank
Access Controller

Power over Ethernet

Magnetic stripe card, financial IC card

Time setting

Server VIP identity confirmation



MR600U

Features

- Dielectric Diversity**
 - Magnetic stripe card: old magnetic stripe card can be read correctly
 - Financial IC card: the non-contact part is perfectly read, full play the new technical force
- Bank Card authorization**
 - supporting the magnetic stripe cards of all Banks: bank of China, construction bank, icbc, agricultural bank, China merchants bank...
 - support up to 10,000 bank cards and open the door after authorization
- Super speed**
 - 100,000 capacity, within 0.1 second identified
- RS485 Card reader**
 - Can connect the RS485 bus card reader, convenient wiring, save resources
- POE**
 - 通The cat5/6 cable can supply power to the controller and the card reader, as well as the power supply to the current demand for small electrical locks
- linkage**
 - Very flexible, programmable controlled linkage Settings that can be set between all input and output
- Online, offline mode**
 - online: connect to the server; Offline: offline use, not connected to the server

Specifications

CPU	32 bits ARM® Cortex-M4 Processor
Card capacity	30,000 users
Event capacity	200,000
Communication	TCP/IP 100M
PoE	802.3af
Card reader interface	ABA Magnetic stripe format RS485 card reader Wiegandcard reader
Temperature	-20°C ~ 65°C
power supply	POE ; external power supply voltage : 12VDC ; Current≤0.3A (controller) , ≤3A (card reader)
Size (mm)	W138×H244×D33 (controller) W384 x H403 x D72 (metal box)
Certification	CE, FCC, RoHS, MA

- Center confirmed door opening**
 - The central server checks the VIP status and sends the door to the front controller after passing
 - After receiving the credit card information, the central staff passed video comparison without incident, and then confirmed the second time.Can open the door
- The door state can be controlled**
 - Normal mode: open the door after the card is authorized
 - Timing control mode: door open, door often closed, dormant, time open

BPU8018P

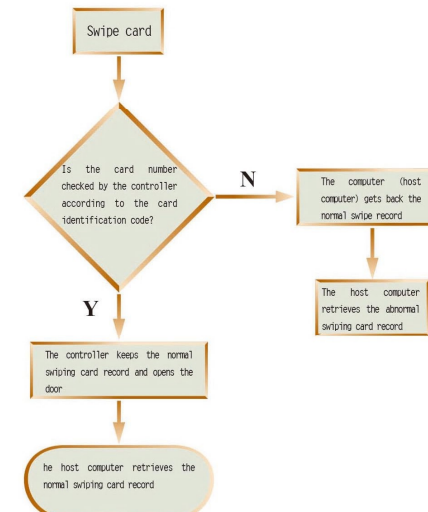
VIP、Bank
Access Controller

Application 1: 24-hour self-service bank



Put a magnetic stripe card in the doorway of the cafeteria, and everyone who enters the buffet hall must swipe the card before entering it.Through the management of software, we can record all the information of card number while entering and leaving, so as to prepare the query.The manager can also set the time control mode, for example: during the day, the door will be automatically sensitive, and the card verification function will be opened when night or security guard is on duty.

Working flow diagram



Application 2: bank VIP

(VIP status confirmed by bank Web server)

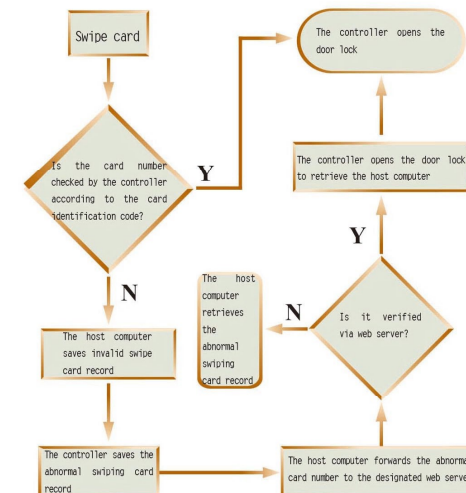
Since the database of VIP card of each bank is changing, the Keyking self-service banking system also provides a secondary confirmation function.

After each swipe card, the system will receive the card number of the abnormal card to the enterprise Web server within the bank, and the Web server will be compared to the VIP customer after the card number is received.

If so, the Web server will send a signal to the Keyking system.The Keyking self-service banking system opens the door of the cardholder's swiping card after receiving the signal and records the card information.

If not, the Web server sends an illegal message, and the Keyking self-service banking system stores this information as "unusual swipe information" and does not open the door.

Working flow diagram



LPU8110NT (Lift Process Unit, Elevator Controller)

Description

The LPU8110NT is a fully intelligent lift/elevator controller which can control access to each floor individually, based on an event or time period. It allows cardholders to select the floor(s) that they are allowed to enter, and the system will record each transaction. It provides many auditing reports, such as data on selected floors to ensure complete accountability. The system can be fully operational in a standalone mode, even during communication loss to the host PC. In offline mode, the controllers will have access to time schedules, authorization groups and even holidays and there will be no additional access level limitation



LPU8110NT

Order Information

LPU8110NT	16 Elevator Controller
Packing Information	<ul style="list-style-type: none"> ■ LPU8110NT x1 ■ Manual Specification x1 ■ QC Certificate x1

configuration

1. Sphinx4.3 Access control elevator management software
2. LPU8110NT Intelligent elevator controller
3. LPU8111 Elevator control expansion board
4. FPU8104 Floor signal collector

Features

- 32 bit Processor, 2 watch-dogs
- Open Architecture Communication Protocol
- Supporting up to 16 floors
- Expandable up to 128 floors with 7 x LPU8111 Modules
- Supporting up to 30,000 cardholders
- Stores up to 200,000 transactions
- Supporting Wiegand 24 to 72 bits (Fingerprint, EM, Mifare, Mifare CPU, HID)
- Proximity, HID iClass
- Supporting RS-485 and TCP/IP Communication)

Applications

The LPU8110NT Lift Controller is very versatile and is suitable for other applications as well as Lift/Elevator control. These applications include floor control management, VIP cabinet management and employee locker control.

Specification

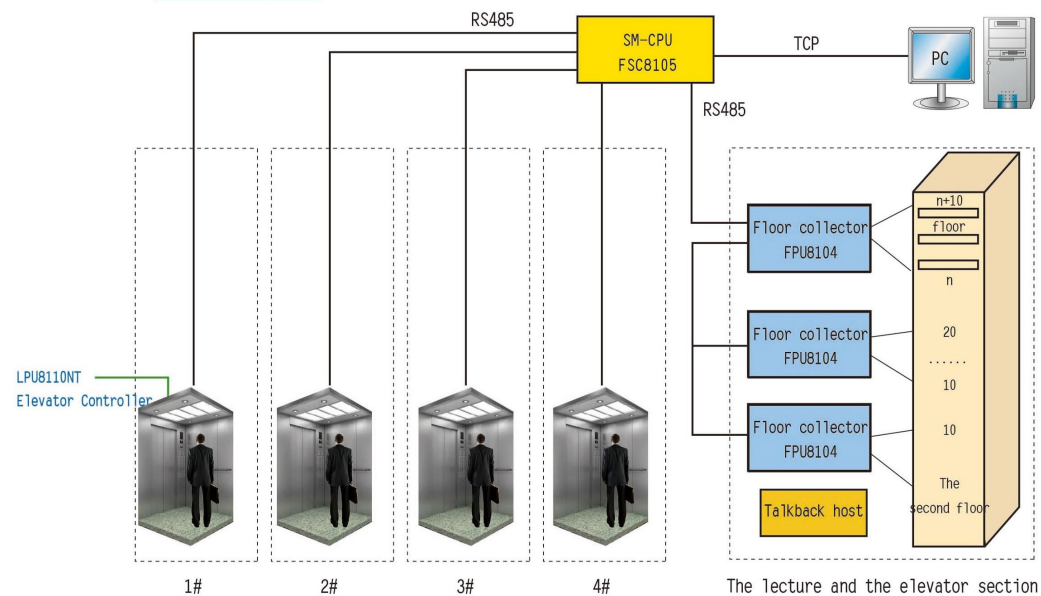
- CPU: 32-bit microprocessor
- Control layer: Layer 16 (up to 128 layers)
- communication mode: RS485, TCP/IP.
- Communication rate: TCP/IP communication, rate100M. RS485 9600 1, 1, N
- Terms of inspection: CRC-16
- Storage events: 100,000
- Support the card: 30000
- Working voltage: 12VDC, 3A
- PCB dimension: 20(L)×14.5(W)cm
- Temperature: -20℃~70℃

LPU8110NT (Lift Process Unit, Elevator Controller)

Advantages

- Single Card In the KEYKING Integrated Security System, the user only needs one card. This single multiuse card can be used for Lift/Elevator Access, Door Access, Time & Attendance and Car Parking Applications.
- Visit Function In each lift the customer can add a "Visit" function. In the normal situation when the user presents their card, the user can only go to the floor where they live. When the user has a requirement to visit more than 1 floor, then the user presents their card followed by the required floor button where they have been allowed access.
- Temporary Card For visitors the operator can allocate temporary cards and set up the required visitor access level. The visitor access level includes the valid time, the authorized floor and the authorized lift.
- Door Phone Function When a visitor without a valid access card calls the user through the intercom, the user can click the door button on the intercom to open the door. What happens then is the lift will automatically go to the ground floor, the visitor will enter and the lift will then automatically go to the users floor.
- Real-Time Monitor All card events are shown on the control room operators monitor. When the user presents their card the operator can see the entire information particular to this user.
- Record The Sphinx4 will store all the card events which can then be found at a later date through the filter function.
- Fire Override On a fire alarm there will be no access limitation for any .

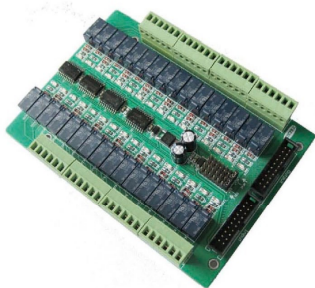
System Diagram



LPU8111 Elevator Control Expansion Board

Summary

The LPU8110NT, (KEYKING, 3 Series Elevator Controller, 16 Floors, 1 Reader, TCP/IP Enabled) is a fully intelligent Ethernet enabled controller based on a 8 bit microprocessor. It is compatible with both the V3.5 Economy and V4 Advanced range of KEYKING 3 Series access controllers (please refer to top left photo). The LPU8110 can by itself control 16 floors with no additional hardware.



LPU8111



LPU8110+LPU8111

Features

- LPU8111 cannot be used independently, only with LPU8110
- Each expansion board controls the 16-story elevator
- Relay output: 32 groups
- It is possible to determine whether the expansion board is online by the LPU8110 mainboard
- The expansion board can be directly controlled by LPU8110
- The state of each point is the same as that of the mainboard

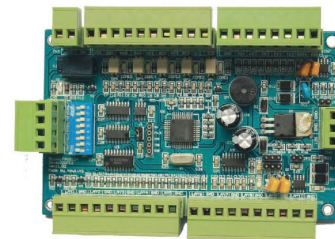
Specification

- Extending floor: 16
- PCB dimension: 14 (L) × 10 (W) cm
- Operating Voltage: 12V DC (±10%)
- Working Temperature: -20℃~70℃
- Humidity: 5%~95%

Order Information

LPU8111NT	16 Elevator Controller
Packing Information	<ul style="list-style-type: none"> ■ LPU8111NT x1 ■ Manual Specificationx1 ■ QC Certificate x1

FPU8104 Floor Signal Collector



FPU8104

Order Information

FPU8104	10 Floor Signal Collector
Packing Information	<ul style="list-style-type: none"> ■ FPU8104 x1 ■ Manual Specificationx1 ■ QC Certificate x1

Features

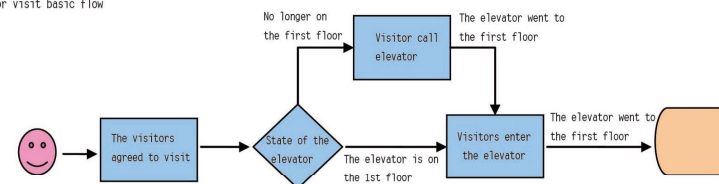
- Floor signal acquisition
- Elevator control status collection
- Each board can be used for 10 floor elevators, each with an extended plate To add 10 floors, the above control panel can be up to 128 floors
- The elevator is efficient management and control.
- Connect 16 floor harvesters
- Group 4 relay contact output
- Group 4 extended signal input

Specification

- CPU: 8 bit MCU CPU
- Operating Voltage: 9-12VDC
- Communication: RS485
- Terms of inspection: CRC
- Temperature: -20℃~70℃
- Humidity: 5%~95%

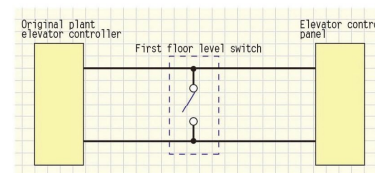
Principle of floor collector structure

1. Visitor visit basic flow



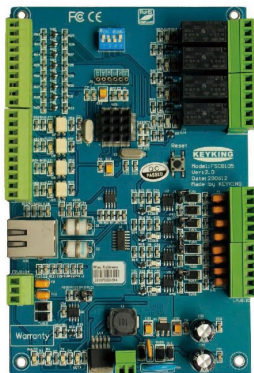
2. Elevator control status collection

The floor collecting board also needs to collect the operation state of each elevator. Extraction of elevator plane signals



Because there is no change in the control mode or circuit of the elevator in general, the elevator can not be affected by the above contact and normal operation, even if the system has lost power or other conditions. Of course, we also take multiple measures (such as the high reliability of switch power supply, input and output ports are equipped with noise suppressor, USES the hardware watchdog technology, the high reliability of the 485 communications, all communication data using CRC check, etc.) to ensure that the system will not drop and crash.

FSC8105 Cluster Controller

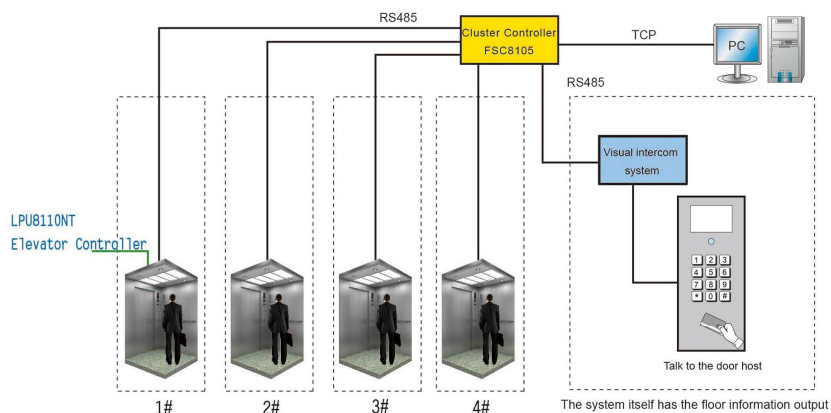


FSC8105

Order Information

FSC8105	Cluster controller
Packing Information	<ul style="list-style-type: none"> FSC8105 x1 Manual Specification x1 QC Certificate x1

System Diagram



Features

- Cluster controller is the dispatching unit of elevator controller, responsible for information transmission and communication of each component.
- Each group of elevators (each unit) requires a Cluster controller.
- Upper communication interface: TCP/IP interface, 100M Base.
- LPU8110 interface: can connect 4 RS485 bus, each bus can connect LPU8110 power Ladder controller. Wiring is more convenient.
- FPU8104 interface: single RS485 bus can connect 127 FPU8104 floor letters Number collector.
- Visual intercom input interface: support rs232/485 floor information input signal, which can save the FPU8104 floor signal collector.
- The elevator is in place to detect the terminal and know exactly which elevator is in position.
- Extended input port to facilitate function extension.
- Group C auxiliary relay, function extension is convenient.

Specification

- CPU: ARM® CortexTM-M3的32-bit processor
- Operating Voltage: 12VDC
- Communication: RS485、TCP/IP
- Rate: 9600bps.
- Transmission distance: 1.2Km (100Kbps).
- Temperature: -20℃~70℃
- Humidity: 5%~95%.

TA7002P Attendance

概要

TA7002P is an excellent single-door attendance machine that supports Wiegand26, Wiegand34 read-head access. It can control the two-way entrance and exit of a door independently, and can be realized by swiping card when entering or leaving the door. It can also be realized by using the traditional simple swipe card + door button. Since the access control controller is built into the card reader, the connection is easy and easy. All the operations are realized through the keyboard and card, making the system beautiful and easier to install.

Applications

Access control and attendance; Exit management, identification.

Features

- Three kinds of USES: the door ban one, the attendance machine, the liquid crystal card reader.
- Support TCP/IP protocol, .no wiring, direct access to LAN.
- Built-in: EM, Mifare, HID card reader.
- Large storage capacity, 30,000 cardholders, 15,000 event records.
- Support personal password entry
- A variety of programmable enter password control
 - The card adds four passwords
 - Personal 8-bit password entry
 - Multiple super passwords enter
- Support multiple CARDS at the same time and open the door
- Multiple time Settings
 - Annual holiday setting
 - Each door can set up 15 time groups
 - Temporary card Settings for the next week
- Area anti-follow/anti-creeping detection Settings (Anti-Passback)
 - Multiple door mode working mode
 - Door is always open
 - The door closed
 - First card reading card open door control
 - Dormancy control
 - Safe state
 - Remote manual control of any door point
 - 24 sets of linkage function, optional setting
 - Multiple alarm functions (support relay output)
 - Timeout door open
 - The door was forced open
 - The data dropped for more than 180 days



Specification

CPU	ST ARM® CortexTM-M3 32-bit embedded processor, nuclear watchdog protection
Memory	Program memory: 256KB ROM data memory: 512KB SRAM
Cardholder	30,000 sensor CARDS, 30,000 batches; 100,000 event stores
Reader port / Format	Support all 26, 34Bits vigeng input devices (fingerprint reader, inductive ID/IC Card reader); Compatible with Keyking, Motorola/INDALA, HID, etc
Communication	TCP/IP, direct access to LAN; The RS485 bus, a single bus can connect 127 controllers, and the data transmission distance is greater than 1200 meters Communication rate: TCP: 100M; RS485: 9600 1, 1, n It can communicate with DPU3000 series controller.
AUX-IN / AUX-OUT	Reader input Ctype electric lock relay output terminal, 3A contact current, 12VDC, with LED status indicator Go out button, door magnetic/door state input terminal
Protection	Input flow protection, automatic recovery when normal All input/output voltage dynamic protection All relay outputs have transient overpressure protection
Self-inspection	YES
OLED	Highlight, orange, and blue color display
POE	802.3af
Working voltage	Voltage: 12VDC; Current < 0.3 A
Environment	Temperature -20℃ ~ 60℃, the temperature is 0 ~ 90%
Dimension (mm)	120x70x30
Weight	150g
Software	Windows2000/XP/Win7/Win8 platform

Order Information

TA7002P	EM attendance machine HID attendance machine CPU attendance machine touch key-press attendance machine
Packing Information	TA7002P Manual Specification x1 QC Certificate x1

Royal Series

Europe Standard Keypad Reader

- Metallic Housing Vandal Resistant
Weather Proof - IP65
- Silver or Rose Gold Housing
(custom colors available)
- Backlit Touchkeys
- Large Bright Indicator - Blue
/ Green light

Features

- RF card options
- P : HID/Awid/EM/KKID Prox , 125KHz ;
U : Mifare/DesFire, Mifare Sector, CPU
- Metallic Housing
- Touch the keyboard Touchpad, durable
- With dust, waterproof features, suitable for a variety
of installation sites
- Wiegand 26 & 34Bits Output, Field Selectable - 4-6 Wire
- RS-485 output - 2 wire secured communication,
up to 4000ft. distance
- Low power consumption, more energy efficient, good stability.
- Built-in two-color effects LED instructions (blue + pure green),
to facilitate the dark instructions
- Single "Gang" size - USA Standard



Model Identification

RY 01 K D P - 4

- RY : Royal Series ;
- 01 : EU 86×86 Box ; 02 : USA Gang Box ;
- K : Card Reader & Keypad ;
- D : Display ;
- P : Proximity , EM, HID, AWID, KKID ;
- 4 : RS485, W: Wiegand

Specification

Model	P	U
Specification	EM, HID, AWID, KKID	CPU+Mifare+RC
Technology	EM4100, HID1386, KKID	KK1208, M-1, S50, S70
Types	EM4100, HID1386, KKID	KK1208, M-1, S50, S70
Encryption	10cm	3cm
Frequency	125KHz	13.56MHz
Encryption	Mann code	3Des
voltage	7—15VDC	7—15VDC
Current	≤80ma	≤150ma
Temperature	-20°C-70°C	-20°C-65°C
Humidity	5%—95%RH	5%—95%RH
Dimension	92×92×30mm, Gang" size - USA Standard	

Order Information

RY01P/U	Prox / CPU Reader (Wiegand)
RY01KP/U	Prox / CPU Keyboard reader (Wiegand)
RY01P/U-4	Prox / CPU Reader (RS485)
RY01KP/U-4	Prox / CPU Keyboard reader (RS485)
	Color optional : 1) RoseGold 2) Silver

Royal Series

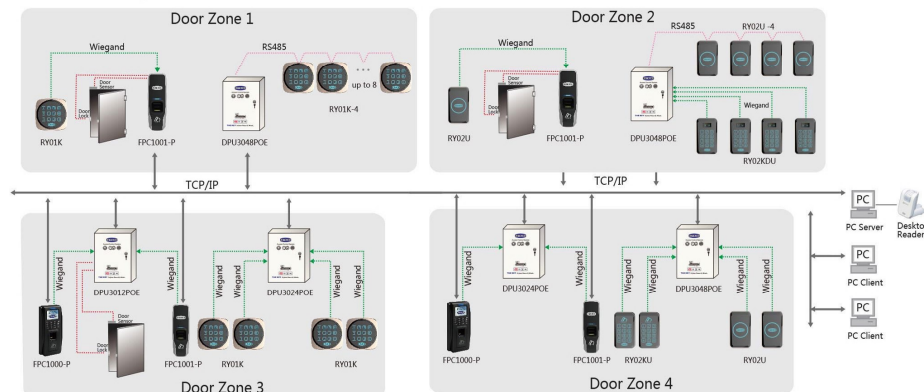
USA Single Gang Box Keypad Reader

- Metallic Housing Vandal Resistant
Weather Proof - IP65
- Silver or Rose Gold Housing
(custom colors available)
- Backlit Touchkeys
- Large Bright Indicator - Blue
/ Green light

Features

- RF频率卡选项
- P : HID/Awid/EM/KKID Prox , 125KHz ;
U : Mifare/DesFire, Mifare Sector, CPU
- Metallic Housing
- Touch the keyboard Touchpad, durable
- With dust, waterproof features, suitable for a variety
of installation sites
- RS-485 output - 2 wire secured communication,
up to 4000ft. distance
- Wiegand 26 & 34Bits Output, Field Selectable - 4-6 Wire
- Low power consumption, more energy efficient, good stability..

Network Diagram



Specification

Model	P	U
Specification	EM, HID, AWID, KKID	CPU+Mifare+RC
Technology	EM4100, HID1386, KKID	KK1208, M-1, S50, S70
Types	EM4100, HID1386, KKID	KK1208, M-1, S50, S70
Encryption	10cm	3cm
Frequency	125KHz	13.56MHz
Encryption	Mann code	3Des
voltage	7—15VDC	7—15VDC
Current	≤80ma	≤150ma
Temperature	-20°C-70°C	-20°C-65°C
Humidity	5%—95%RH	5%—95%RH
Dimension	70×120×30mm, Standard 75 bottom box	

- Built-in two-color effects LED instructions (blue + pure green),
to facilitate the dark instructions
- Single "Gang" size - USA Standard



Touch the keys

Metal case

Background light

Elegance Series Reader (TouchPad)



6630E/M/U



6630KE/M/U



6630KDE/M/U

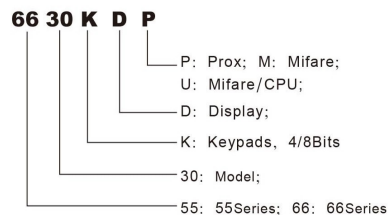
Features

- Materials: PC ;
- TouchPad option
- Output: Wiegand 26 Bits or 34Bits
- The features of dust proof and waterproof are suitable for various installation places
- Low power consumption, more energy saving, good stability.
- WDT watch-dog circuit has the function of turning on self-check.
- OLED display option for information
- Big special indicators LED, Powered: Blue
- Standard 86 box

Application

Access Control, T&A, Car Parking, Identify, POS, etc..

Model Identification



Specification

Item	Type	P	M	U
Mean		Prox:EM、HID、Auid、KKid	Mifare SN	CPU+Mifare+RC
Range		10cm	5cm	3cm
Frequency		125KHz	13.56MHz	13.56MHz
Card		EM4100, HID1386	M-1, S50,S70	KK1208, M-1, S50,S70
Encode		Manchester Code	TAP_A	3Des
Voltage		7—15VDC	7—15VDC	7—15VDC
Current		≤80ma	≤60ma	≤150ma
Temperature		-20℃-70℃	-20℃-70℃	-20℃-70℃
Humidity		5%~95%	5%~95%	5%~95%
Dimension		90*90*25mm		

Order Information

6630P/M/U 6630KP/M/U 6630KDP/M/U	Proximity Reader Touchpad Proximity Reader OLED Touchpad Proximity Reader
Packing Information	6630*** ×1 Manual Specification * 1QC QC Certificate * 1

Luxury Series Reader

Features

- Materials: PC and ABS
- Keypads: 3×4 Standard Keypads
- OLED Display
- First Line: Company Name
- Date Clock
- Show your name and card number when flash card
- Output: Wiegand 26 Bits or 34Bits
- BackGround light: Blue LED, easy to operate it at night
- Indicators LED: Dual color (Blue & Green)
- Big special indicators LED, Powered: Blue
- Customized Logo



6609E



6610E

Application

Access Control, T&A, Car Parking, Identify, POS, etc..

Order Information

6609E/M/U	Proximity Reader
6610E/M/U	Narrow Proximity Reader
6611E/M/U	OLED Reader
6611KE/M/U	Proximity Keypads Reader
Packing Information	<ul style="list-style-type: none"> 66XX * 1 66XX * 1 Manual Specification * 1 QC Certificate * 1



6611E



6611KE

Specification

Item	Type	E	M	U
Mean		EM	Mifare SN	CPU+Mifare+RC
Range		10cm	5cm	3cm
Frequency		125KHz	13.56MHz	13.56MHz
Card		EM4100	M-1, S50,S70	KK1208, M-1,S50,S70
Encode		Manchester Code	TAP_A	3Des
Voltage		7—15VDC	7—15VDC	7—15VDC
Current		≤80ma	≤60ma	≤150ma
Temperature		-20℃到70℃	-20℃到70℃	-20℃到70℃
Humidity		5%~95%	5%~95%	5%~95%
Dimension		6609: 86x86x20	6610: 43x86x20	6611: 120x90x22

Anti Vandal Reader



AVR6619P/U



AVR6620P/U

Specification

Series	P	U
Specification	EM, Proximity	Mifare CSN, Mifare Sector, CPU
Details	EM, Proximity	Mifare CSN, Mifare Sector, CPU
Reading Distance	10cm	5CM
Working Frequency	125KHz	13.56MHz
Card Type	EM4100	KK1208M1, S50, S70
Encryption Mode	Manchester Code	Desfire
Voltage	7~15VDC	7~15VDC
Current	≤80ma	≤120ma
Working Environment	-20°C to 70°C	-20°C to 70°C
Humidity	5%~95%	5%~95%
Dimension	AVR6619: 120x76x22mm; AVR6620: 120x76x22mm	

Features

- Metal housing, strong and beautiful
- Standard wiegand output, Option: W26/W34 bits
- Dustproof, waterproof features, suitable for any installation site
- Tamper output
- Low power consumption, energy saving, good stability
- WDT watchdog, with power-on self-test function
- Built in two color LED instructions (Blue + Green),
- Unique blue backlight, more convenient for night operation.

Order Information

AVR6619P	Anti-vandal Reader
AVR6620P	Anti-vandal Reader narrow
Packing information	<ul style="list-style-type: none"> • AVR6619P x1 • AVR6620P x1 • Manual * 1

Desktop Reader / Encoder



5516E/M



5588P-UH



5588RW-Des



5588RW

Specification

Item	Model	5516E/M	5588E/M-U	5588E/M/U	5588RW
Name			Desktop Reader		Encoder
Type		E: EM; M: Mifare;	E: EM; M: Mifare; U: CPU	E: EM; M: Mifare; U: CPU	U: CPU
Card		E: EM4100 M: Mifare-1, S50	E: EM4100 M: Mifare-1, S50 U: KK1208 CPU	E: EM4100 M: Mifare-1, S50 U: KK1208 CPU	Mifare-1, S50, KK1208, CPU
Output		RS232	USB	RS232	Serial Port
Format		ASCII	ASCII	ASCII	ASCII
Bytes		3 Bytes, 4 Bytes	3 Bytes, 4 Bytes	3 Bytes, 4 Bytes	3 Bytes, 4 Bytes
Power		12VDC, 300ma	12VDC, 300ma	12VDC, 300ma	12VDC, 300ma
Range		5-15cm	6cm	6cm	6cm
Size(mm)		100*140*30	100*80*25	100*80*25	100*80*25

Order Information

5516E	EM Desktop Reader
5516M	Mifare Desktop Reader
5588P-UH	USB: Prox Desktop Reader
5588U-UH	USB: CPU Desktop Reader
5588RW	CPU CARD WRITER
Packing Information	5516E/M or 5588R/RW *1 Manual Specification * 1 QC Certificate * 1

Proximity card



2308 (ISO Ultra-thin card, 0.78mm)



2318 (Thick card, 1.8mm)

2318-S
(Long Range Card, 1.8mm)

23ET Other Card



Mifare-1



KK1208CPU Card

Mobile phone card reader (China mobile, unicom, telecom)

6616U-SIM (China Mobile)
6616U-UIM (China unicom, telecom)

Order Information

6616U-SIM	SIM Reader (China Mobile)
6616U-UIM	SIM/UIM Reader (China unicom, telecom)
Packing Information	<ul style="list-style-type: none"> • 66XX x1 • Manual Specification * 1 • QC Certificate * 1

Standard Reader



5512E/M



6608E/M

Features

- ABS material, beautiful and generous
- Standard wiegand 26/34bits output can be matched with any of the format door control controllers
- The features of dust proof and waterproof are suitable for various installation places
- Quick response, anti-interference
- Low power consumption, more energy saving, good stability
- WDT watch-dog circuit has the function of turning on self-check
- Standard 86 box installation
- Standard terminal, easy to install

Specification

Series	5512E	5512M	5512U	6608E	6608M
AUX-OUT	W26/34	W26/34	W26/34	W26/34	W26/34
Frequency	125KHz	13.56MHz	13.56MHz	125KHz	13.56MHz
Card	EM4100	M-1, S50, S70	M-1, S50, S70, KK1208	EM4100	M-1, S50, S70
installs	86	86	86	surface	surface
Color	Black, White and blue	Black, White and blue	Black, White and blue	Black/Silver	Black/Silver
Temperature	-40°C~70°C	-40°C~70°C	-40°C~70°C	-40°C~70°C	-40°C~70°C
Dimension	126*86*25	126*86*25	126*86*25	95*65*25	95*65*25

Order Information

5512E	EM Reader
5512M	Mifare Reader
5512U	CPU Reader
6608E	EM Reader
6608M	Mifare Reader
Packing Information	<ul style="list-style-type: none"> • 5512 or 6608 x1 • Manual Specification * 1 • QC Certificate * 1

FPC1000P/U**Networked Fingerprint
Door Controller / Reader****Power over Ethernet****Fingerprint & RFID****Multi Smart Card compatible****Unlimited Templates in server****Secured Operation:**

- No fingerprint picture stored. Proprietary template algorithm.
- Reader Mode : Door operated by door controller in secured area.
- Reader On-Line Mode : no data stored on device.
- Simple Mode : Door controlled by FPC1000, operation uninterrupted with or without network.

Hardware Features

- World's Best Fingerprint Recognition Technology**
- Cutting-edge algorithm ranked top in Fingerprint field
- Ultra Performance**
- 1:1,000 matches in 1 second
- Twice Recognition**
- Recognition in Terminal only, Server first Recognition
- Unlimited Template Capacity**
- 1,000 pcs in terminal memory, Unlimited using SPHINX-4 On-Line
- Power over Ethernet**
- Power supply through a single CAT5/6 wiring
- RF Card Options**
- HID/Awid/EM/KKID Prox. Mifare/DesFire, Mifare Sector, CPU
- Smart Cards**
- CPU, Mifare/DesFire, Mifare Sector
- Exit Reader**
- Smart Reader as Out Reader, Connected to Wiegand_In
- On-Line and Off-Line seamless operation**
- On-Line: connected to server, Off-Line: Stand-Alone, not connected to server

**Specifications**

CPU	32 bits ARM® Cortex-M4 Processor
Fingerprint Sensor	Optical
RF Card Option	P: Proximity, HID, AWID, EM, KKID. U: Mifare/DesFire, Mifare Sector, CPU
Multi-Smart Cards	Mifare/DesFire, Mifare Sector, CPU
Template Capacity	1000 fingerprint with on device memory Unlimited using SPHINX-4 On-Line
Log Capacity	200,000
Max User	1,000 pcs in terminal, Unlimited on Server
Communication	TCP/IP 100MBPS Auto Sensing
PoE	802.3af
Wiegand	Wiegand In & Out
Tamper	Switch
Operating Temp	- 20°C ~ 50°C
Operating Voltage	12vDC, 300mA
Dimensions (mm)	W45 x H135 x D58
Certificates	CE, FCC, RoHS

Order Information

FPC1000-P	Fingerprint (built-in Prox card reader)
FPC1000-U	Fingerprint (built-in CPU card reader)
FPC1001-P	Door frame type fingerprint (built-in Prox card reader)
FPC1001-U	Door frame fingerprint (built-in CPU card reader)
Packing Information	<ul style="list-style-type: none"> ● FPC2000NT-X Fingerprint×1 ● Manual Specification * 1 ● QC Certificate* 1

QR500BLE**QR Code & Bluetooth, Prox Reader**
KEYKING
KEYKING GROUP
Dual Frequencies Card**QR Code Reader****Bluetooth reader****OSDP compatible****Hardware Features****Smooth attractive design, adapt to all-weather****OSDP & Wiegand output: OSDP as default, Wiegand is an option.****Dual color LED: Blue/Green.****Green connector for wiring.****Supports Multi Prox Cards:**
-AWID; EM, 2308; HID; KK: KK234, KK250**Supports Multi Smart Cards:**
- Mifare; Mifare Sector; CPU; KK1208**Built-in QR Code scanner****Bluetooth technology, Shake smart phone to open the door****Manufactured in KEYKING's ISO:9001 registered facility.****Specifications**

Maximum Read Range:	100mm
Frequency:	ASK at 125KHz CPU: 13.56MHz
OSDP protocol:	V2.17
Multi Wiegand Output:	AWID: Up to 58bits EM, 2308: W26/34 HID: WG26/27/34/35/37 KKID: WG34/50 Mifare: WG34
Operating Voltage:	7-12VDC
Operating Current:	≤100mA
Standby Current:	≤50mA
Working Temperature:	-30°C to 65°C
Operating Humidity:	0 to 95%RH
LED Control Input:	Dry Contact, NO
Buzzer Control Input:	Dry Contact, NO
Dimensions:	86(L) x 86(W) x 25(D)mm
Weight:	150g

FPC3000PU

Networked Fingerprint Door Controller / Reader



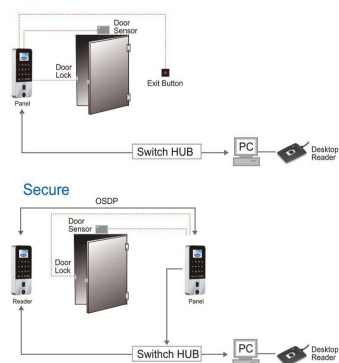
Dual Frequencies Card
Live Biometric Sensor
QR Code Reader
OSDP compatible
Unlimited Templates in server



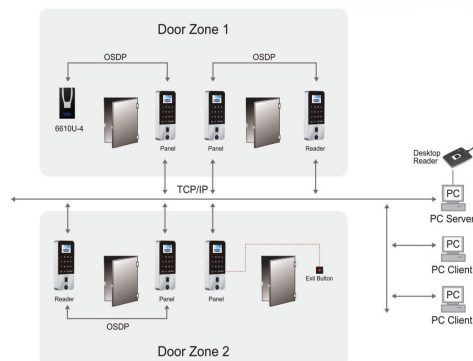
FPC3002-PU

System Configurations

Standalone



Network



FPC3000PU

Networked Fingerprint Door Controller / Reader



Secured Operation:

- No fingerprint picture stored. Proprietary template algorithm.
- Reader Mode : Door operated by door controller in secured area.
- Reader On-Line Mode : no data stored on device.
- Simple Mode : Door controlled by FPC3002, operation uninterrupted with or without network



BioUSB-SC03

Hardware Features

- World's Best Fingerprint Recognition Technology**
 - Cutting-edge algorithm ranked top in Fingerprint field
- Live Biometric Sensor**
 - Live tech Detector, nobody can use fake Fingerprint
 - Semi-conductor fingerprint sensor, High security level
- Ultra Performance**
 - 1:5,000 matches in 1 seconds
- Twice Recognition**
 - Recognition in Terminal only, Server first Recognition

- QR Code**
 - QR code reader built-in, will transfer QR code to controller
- Dual Frequencies Card**
 - 125KHz Proximity card, HID, AWID, KKID; 13.56MHz CPU & Mifare card, Mifare / DesFire, Mifare Sector
- Metal Case**
 - Metal Case, Anti vandal, High Security
- On-Line and Off-Line seamless operation**
 - On-Line: connected to server, Off-Line: Stand-Alone, not connected to server

Specifications

Model	FPC3001-P/U	FPC3002-PU
CPU	32 bits ARM® Cortex-M4 Processor	
Fingerprint Sensor	Semiconductor	
RF Card Option	P: Proximity, HID, AWID, EM, KKID.	Proximity, HID, AWID, EM, KKID
	U: Mifare/DesFire, Mifare Sector, CPU	Mifare/DesFire, Mifare Sector, CPU
Template Capacity	3,000PCS(5,000 Option) fingerprint with on device memory Unlimited using SPHINX-4 On-Line	
Log Capacity	200,000	
User Fingerprint	up to 3 fingerprints per person	
Communication	TCP/IP 100MBPS Auto Sensing	
PoE	802.3af	
Authorization Mode	Card / Fingerprint, Fingerprint, Card + Fingerprint	Card / Fingerprint / QR code, Fingerprint, Card + Fingerprint, PIN + Card, PIN+ Fingerprint
Wiegand	Wiegand Out	
OSDP		OSDP In & Out
Tamper	Switch	
Operating Temp	- 20°C ~ 50°C	
Operating Voltage	12vDC, 75mA	12vDC, 300mA; POE, Power Over Ethernet
Dimensions (mm)	H135mm x W45mm x D58mm	H161mm x W66mm x D25mm
Certificates	CE, FCC, RoHS	



FPC3001-P/U

Car Parking

license Plate Recognition Car parking system



Features

- Free card, free parking**
 - License plate recognition, no need to take the card
 - The streaming video is automatically recognized without stopping
- Quick access to avoid peak traffic jams**
 - Compared conventional smart card parking lot, the entry and exit speed increased by 3 times
 - Effective prevention of rush hour congestion in the entrance
- Electronic payment**
 - Support WeChat payment, Alipay and other electronic payment platform
 - The scan code can be paid
- Data analysis**
 - Parking occupancy status, vacancy analysis
 - License plate access data for public security analysis
 - The behavior of the car owner is a good reference for future consumption, accurate positioning service target

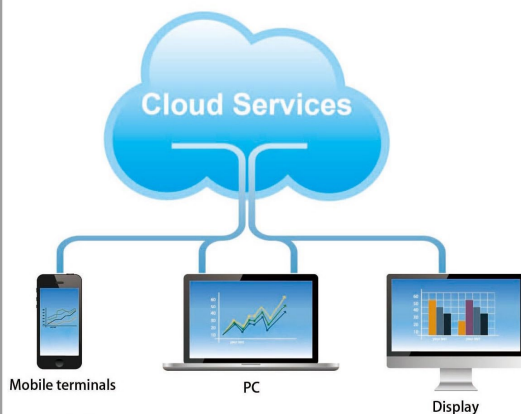
Free parking, free card

Compatible with the people, military, police, new energy vehicles

Synchronous text of voice broadcast

Offline work and offline charges

Cloud processing, large data analysis



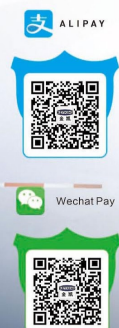
Mode1 : License plate recognition machine

- KK-PND207-D4 2
- DZBP002 2

Mode2 : License plate recognition barrier

- PND207-DZBP002 2

Scan to pay



Car Parking

license Plate Recognition Car parking system



KK-PND306H-S2

License plate recognition machine

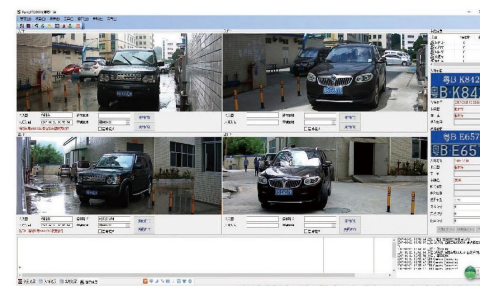
Features

- Assemble the camera, barrier, display, voice, fill light in one, easy to install
- The camera uses two million pixels, high-definition image
- Barrier with variable frequency control barrier, opening time 3-10 seconds adjustable
- Can recognize Chinese characters, letters, Numbers, accuracy reaches 99%
- Virtual touch line to trigger the camera to identify, but also the actual sense of the trigger
- Built-in license plate, logo, body color recognition and other functions
- Integrated manual zoom lens to meet the requirements of different monitoring scenarios
- Comes with fill light, light dark automatically start fill light
- Four lines of Chinese characters can display vehicle information, charges, etc
- Offline charging: when the computer is offline, the charge for temporary card can be realized
- Protection grade IP66, working temperature - 30 °C ~ 70 °C



Specifications

Camera pixels	200,000
Barrier structure	frequency control
Motor Power	≤220W
Pole Length	≤6m (rack stake is also ok)
Opening speed	3-10s (Programmable)
Display screen	4 x 2
Operating temperature	- 20°C ~ 60°C
Working Voltage	220vAC, 50/60Hz
Size (mm)	W350 x D400 x H1250
Certification	CE, FCC, RoHS



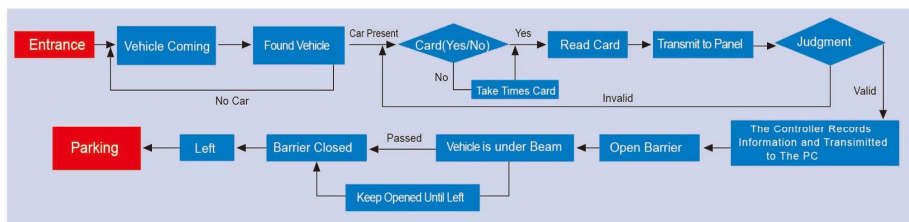
KEY-3000 Car Parking System



Function / Specification

Compatibility	The system can completely compatible with Proximity and Mifare readers (Wiegand), such as: Keyking, HID, Mifare, Legic, EM
Pictures compared	2 pictures for Entry and Exit, make sure nobody can steal good car
Real-time monitor	The system always records the status of vehicle real time even if there is no vehicle In-Out
Card holder/Events storage	5000 cardholders, 12000 events storage
User Type	Monthly Rental card, Times card, Stored value card and Special card
LED Display	Different display will be showed during different thing happened
Broken vehicle protection	When the car is under the beam of barrier, the beam will not go down until vehicle leave
Control Manually	Supports control manually when lose power supply
Communication	TCP/IP, RS-485
Protection	Protection for all inputs and outputs
A few Entrance and Exit	Supports many entrance and exit

Procedure for Monthly Times Card



Entrance / Exit Boxes Series



PND207-DZBP002

Parking Barrier Series



DZBP002



DZBP002LL

PND207-DZBP002

Features

- Assemble the camera, barrier, display, voice, fill light in one, easy to install
- The camera uses two million pixels, high-definition image
- Barrier with variable frequency control barrier, opening time 3-10 seconds adjustable
- Can recognize Chinese characters, letters, Numbers, accuracy reaches 99%
- Virtual touch line to trigger the camera to identify, but also the actual sense of the trigger
- Built-in license plate, logo, body color recognition and other functions
- Integrated manual zoom lens to meet the requirements of different monitoring scenarios
- Comes with fill light, light dark automatically start fill light
- Four lines of Chinese characters can display vehicle information, charges, etc
- Offline charging: when the computer is offline, the charge for temporary card can be realized
- Protection grade IP66, working temperature -30 °C ~ 70 °C

Specifications

Camera pixels	200,000
Barrier structure	frequency control
Motor Power	≤220W
Pole Length	≤6m (rack stake is also ok)
Opening speed	3-10s (Programmable)
Display screen	4 x 2
Operating temperature	- 20°C ~ 60°C
Working Voltage	220VAC, 50/60Hz
Size (mm)	W350 x D400 x H1250
Certification	CE, FCC, RoHS

Specification

- Power Consumption: ≤220W
- Working Power: AC 220V ±10%, 50Hz
- Working Temperature: -20 ~ +85
- Working humidity: 5% ~ 95%
- Open/close speed: 2 - 7 seconds optional
- Beam Length: 2- 6 meters
- Beam Type: Straight, Folded, Fence (less than 6 meters)

Order Information

DZBP002	Normal Barrier
DZBP002ZB	Folded Barrier
DZBP002LL	Two columns Barrier
DZBP002SL	Fence Barrier
Packing Information	DZBP002×1 Manual Specification * 1 QC Certificate * 1



HI-POWER



KED



FAST



STABILIZATION

Parking Display LED

PDLED500T

- Adopt high strength metal frame, transparent plexiglass, waterproof design
- The interior is equipped with high brightness imported LED luminescent tubes
- Clear display of existing parking Spaces, 0 empty Spaces when the parking space is full

Specification

Communication	485/TCP/IP
LED	Three Numbers
Power	Voltage: 220VAC; Current < 0.3 A
Environment	Temperature - 40 °C ~ 70 °C, Temperature is 0 ~ 90%
Packaging	Iron box
Dimension(mm)	380×800×250mm
Weight	4KG
Software	ParkWatch3100

PSL402

Specification

Communication	TCP/IP, 100M self-adaptive
LED	Two lines, four characters or eight characters per line
Power	Voltage: 220VAC; Current < 0.3 A
Environment	Temperature - 40 °C ~ 70 °C, Temperature is 0 ~ 90%
Packaging	Iron box
Dimension(mm)	380×395×55mm
Weight	4KG
Software	ParkWatch3100

PDLED800T

Specification

Communication	TCP/IP, 100M self-adaptive
LED	Two lines, four characters or eight characters per line
Power	Voltage: 220VAC; Current < 0.3 A
Environment	Temperature - 40 °C ~ 70 °C, Temperature is 0 ~ 90%
Packaging	Iron box
Dimension(mm)	380×800×280mm
Weight	4KG
Software	ParkWatch3100



Long Range Reader

KK-UHF102 Long Range Reader

- Read range is up to 15 meters and can be adjusted by attenuator.
- Support identification of fast moving objects with speed up to 60Km/h;
- 60 degree read range.
- Provide omni-directional or oriented antennas
- Read the card in Sequential, read one card at one time.
- Battery can be used for up to 1 years.
- Ultra low power consumption, max transmission power is less than 1mW(0dBm)
- Wiegand 26 Bits output
- Compatible with many controllers

Specification

Specification	Model
Type	UHF
Output	Wiegand
Read Range	15m
Working Frequency	902-928MHz
Voltage	12VDC
Current	≤800ma
Working Environment	-20°C to 70°C
Humidity	5%~95%
Dimension	445×445×55 mm
Weight	5.5Kg



KK-UHF102

Model	Picture	Description	Application
KK-UHF606		Anti-vandal Tag Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: Metal Read range: up to 15m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 13*17*3mm	Car body
KK-UHF607		Anti-vandal Tag Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: Metal Read range: up to 15m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 13*17*3mm	Car front glass
KK-UHF608		Animal Tag Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: PET+AL Read range: up to 5m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 8*12*3mm	Animal Body
KK-UHF609		Paper, Sticker Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: Paper Read range: up to 10m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 7*14mm	Car front glass
KK-UHF610		Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: PVC+PET Read range: up to 10m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 8*12*3mm	Car front glass

Model	Picture	Description	Application
KK-CB600		Card Bracket, 80*50mm, ABS materials	Car front glass
KK-UHF601		Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: PVC+PET Read range: up to 15m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 8*12*3mm	Car front glass
KK-UHF602		Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: PVC+PET Read range: up to 15m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 8*12*3mm	Car front glass
KK-UHF603		Paper, Sticker Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: Paper Read range: up to 10m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 4*12*3mm	Car front glass
KK-UHF604		China tag Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: China Read range: up to 10m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 8*12*3mm	Car front glass
KK-UHF605		Standard: ISO18000-6B, ISO18000-4C (EPC GEN2) Frequency: ISM 920-925MHz or 950-958MHz Work mode: FHSS Memory: 256bits, unique 94 bits ID Read speed: 540bit/Time Material: PVC+PET Read range: up to 15m (depends on the antenna size) Work temperature: -20°C~+80°C Size: 34*12*3mm	Car plate number

KK-UHF601

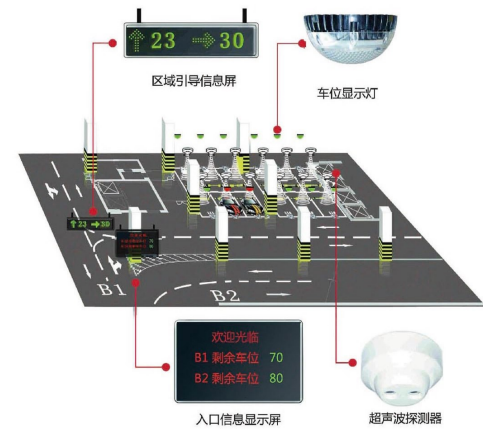
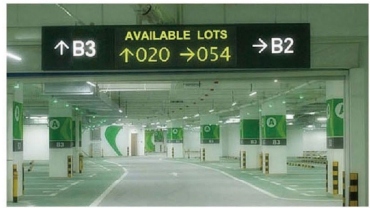


KK-UHF102

Parking Guidance System

Feature Module

- Parking Guidance: Indicator in every entrance
- Available Carport Indicator: Green--Available, Red---Occupied
- Parking Register: Flashing the card on the local reader after parked the car to register car location.
- Search Car: Flashing the card on the inquiry machine, you will get correct router to the car.
- Payment APP: Pay the parking fee by a smart phone application.



Order information

Model	Name	Description	Remark
PGS1000	Central Control Unit	Central Controller, Brain of system with 32 bits A8 processor, Data connector	TCP/IP (RS485)
PPU1040	Point Process Unit	Middle controller between Central and Carport Terminal	RS485
CDI1001	Carport Detector	Detect carport available or not	RS485/4800
CDI1010	Carport Detector	Indicate the status of carport	
PLED500	Parking Display LED	Display available carport amount of each Area	RS485/4800
IRD1001	Information Issue Display	Issue information for whole system	RS485/9600
CID1064	Carport Information Display	Show status of all carport based on a real map	RS485/9600

Parking Guidance System

Application

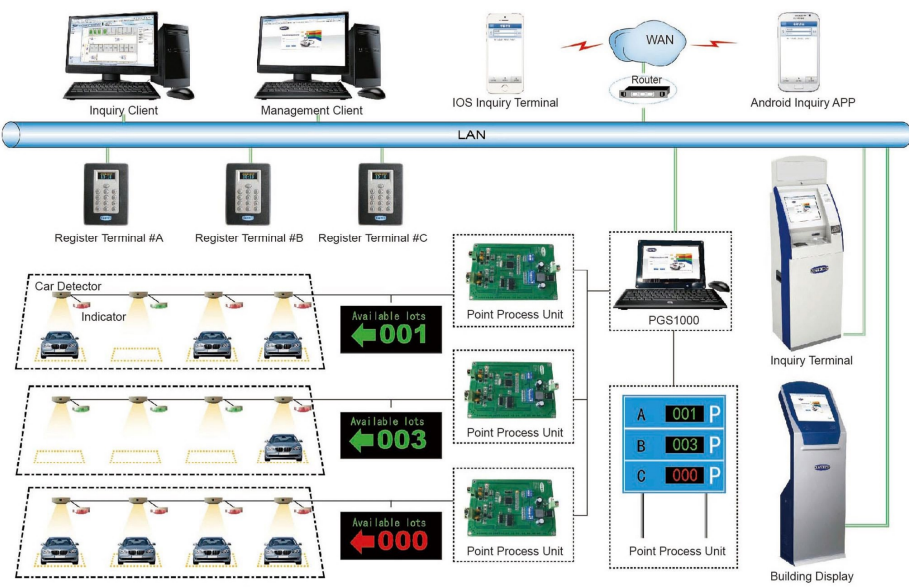
- Local Parking Guidance System
- Traffic flow monitoring
- Parking Guidance for the city
- Traffic Guidance Information Indicator
- Trend analysis, Data collection
- The rational use of Parking Resource
- Other systems, such as traffic integrated management system, etc.
- Communication: W26, rs232/485 output, good compatibility.

Model Identification

PGS-10 00 NT

- NT: TCP
- 00: Model number
- 10: 10 Series
- PGS: Parking Guidance System
- PPU: Point Process Unit
- CDI: Carport Detection Indicator

PGS1000 Parking Guidance System (Ultrasonic Tech)



Parking Guidance System

PGS1000 Central Control Unit

PGS1000 is the Central Controller, Brain of system with A8 processor, Data connector, main function is:

- Show Parking Lots Maps
- Read all information from PPU1040.
- Send data to LED display.
- Report data to software.
- Support up to 3 PCS RS485 bus.
- Every RS485 bus support up to 64 PPU1040 Point Process Unit.



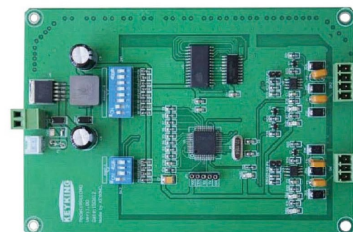
Performance

1. Memory RAM: 256M.
2. Memory ROM: 2GB.
3. Have HDMI output.
4. The WIFI connection can be connected to the network (filling module).
5. Have USB keyboard and mouse input.
6. Equipped with a 7-inch display.
7. The server can connect up to 63 node controllers, and 40 parking Spaces can be connected to each node controller. The maximum management of parking space data is 63X40 = 2,520 parking Spaces.
8. The number of management screens can be connected with 15 single-directional screens for each node controller. The central controller can take 15 single-directional screens. A total of 16X15 = 250 single-directional screens. The display screen shows the content regardless of area, can choose the parking place that needs statistic by oneself.
9. Storage events are more than 1.5 million records.
10. The embedded database can record more than 10 million events.
11. Realize screen monitoring and parking monitoring.

PPU1040 Point Process Unit

PPU1040 is the Middle controller between Central and Carport Terminal, which will collect data from Terminal and transmit to CCU1000.

- Supporting up to 40 PCS Carport Detector
- Be active in 1 second once the status of Carport Detector was changed
- Area Number from 1 to 16
- Unit ID is up to 64



specifications

The PGS1000 boot system software adopts a new frame and USES the sqlite3 database storage mode. Implement a server, multiple customer service management modes. The device already contains a server and two clients. One of the clients is the display application client, which has the HDMI output function. Another client can implement DDNS remote monitoring and management.

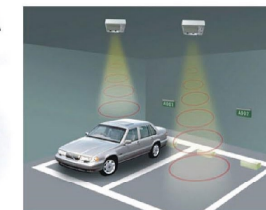
1. Operating system: Linux 2.6.35 operating system.
2. Application software: PGS1000 server and client, website PGS1000 (WEB).
3. DDNS domain dialing function can be realized.
4. The browser can independently realize the configuration and monitoring function of parking position guidance.
5. Can run the entire boot system independently, without computer server.
6. The embedded database can record more than 1.5 million events.

Parking Guidance System

CDI1001 Car Detector

CDI1001 is an ultrasonic vehicle detector, which is installed above the car. The detection distance can be setup by DIP switch from 0.5 to 5 meters. Carport Indicator will be connected to CDI110 also, will get instruction to show the status of this carport.

- Give different color instruction to Indicator according the status of carport.
- Adjustable Sensitivity: 4 levels
- Adjustable detection distance: 0.5 to 5 meters



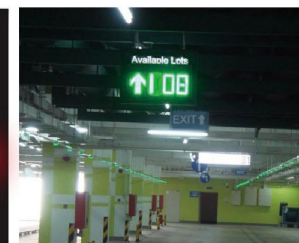
CDI1010 Carport Indicator

- Dual color indicator: Green (Blue available when customer ask), Red
- Green: Available; Red: Occupied
- Work Voltage: 5VDC, 100ma



PDLED500

PLED500 will display available carport amount of each Area, which will be installed on the cross corner. PLED100 will give clear instruction to every driver, and let driver find an available carport easy.



Specification

Voltage	DC 12V
Current	2A
Power	6.5-7.5W
Interface	RS485
Baud Rate	9600
Luminance	300cd/m2
Size	Customized
LED Point	16*48cm, 24*64cm

Order information

CCU1000	Central controller
PPU1040	Node controller
CDI1001	Parking detector
CDI1010	Position indicator light
PDLED500	Complementary orientation screen
CID1064	Information screen of parking space
Packing Information	<ul style="list-style-type: none"> ■ PPU1040 *1 ■ Manual Specification * 1 ■ QC Certificate * 1

Guard Patrol



PA-6621 Patrol Device



Patrol charger



Patrol management software



XG-232 Patrol communicator



Patrol signs(patrol points)

system

In many fields, such as warehouse, residential, hotels, electricity, telecommunications, railway, communications, factories and mines, patrol, etc, patrol safety inspection is very important, execution work must be strictly in accordance with the provisions confirmed route, time, But the inspection work is a big problem all the time. However, electronic Guard Patrol system can solve this problem very well.

Its basic principle is to install some patrol point card on needed patrol route, regularly check the points when the guard uses portable patrol device to read point card, and the transaction will be recorded at the same time. Patrol software will collect data from portable patrol device through a communication cable.

Features

- Read card function, according to the model of different optional EM card or TI card.
- Inspection personnel, check the card before the inspection, and select the inspector.
- Inspection event, after reading the inspection point, enter the digital event by keystroke and save the record.
- Inspection record, which can display the digital patrol record through the display screen.
- Alarm function, can be downloaded up to 24 sets of the time to alarm clock time, the time to the tour better automatic wake-up, and send out vibration and sound cues.
- Direct read-card function, press the power button, enter the card function directly, simplify the operation.
- Automatic shutdown function, 5 seconds not operating the machine, the tour better automatic shutdown, reduce battery consumption.

Specification

Model	PA-6621
Card Type	EM, Proximity
Storage	8,000 Records
Communication	RS232/USB 19200Bps
Appearance	Luxury
Housing	Metal
Waterproof	Yes
Battery	Rechargeable Lithium Battery
Prompt Message	Vibration, sound
Button	Deductive Rubber with high reliability
Software	GuardPatrol
Dimension	15*42*26 (mm)
Temperature	-20°C ~ 55°C

Order Information

PA-6621	Portable Guard Patrol Device (Option: Charger & USB Cable)
Packing Information	<ul style="list-style-type: none"> ■ PA-6621 * 1 ■ Manual Specification * 1 ■ QC Certificate * 1

POS System

Features

- Real electronic wallet, pre-pay card consumption,
- Smart card as pass ticket, realize the stored value, recharge, consumption,
- High safety: system adopts SQL2000 database, to ensure that the intelligent card data, sales data security, for operators to implement access control system, and the personnel's operation track, let you sleep without any anxiety, system adopts contactless encrypted smart card, which is safe and reliable,
- High consistency: all consumer behavior database storage management, network management, so that each client's business process more efficient,
- Scalability: powerful system, huge database reserves, automatic setting according to customer demands.

constitute

The system consists of inductive IC card, consumer POS machine, consumer management software EntryPOS, authorization machine, card recharger, card recharging software, mobile consumption terminal, etc.

NFC9900 Consumption Terminal

- Android APP
- NFC
- The smartphone realizes the function of the consumer machine
- Get permissions from the server, secure



System Structure



CS-9902V Hanging POS Device



CS-9902D Desktop POS Device



CS-9901SQ Authorization Encoder



CS-9901FK Charging Encoder



CS-9901FK Charging Encoder

CS-9901SQ Authorization Encoder

- To read authorization information from Master card
- To authorize blank Mifare-1 card before recharge
- To encrypt No.5 to 8 sectors
- DC Power: 5VDC, 100mA
- Size: 110* 80* 26mm
- Interface Type: N/A

CS-9901FK Charging Encoder

- To read authorization information from Master card
- To write User name to authorized Mifare-1 card (User Card)
- To recharge User Card
- To encrypt No.5 to 8 sectors
- DC Power: 5VDC, 100mA
- Size: 110* 80* 26mm
- Interface type: Serial Port

CS-9902 Serial consumer POS

- Swipe card can display consumer goods name or menu
- The hardware of the consumer machine can be directly external to the POS mini-printer (special type only)
- RS485 or TCP communications, flexible and convenient for communication, flexible and convenient
- Touch type conductive adhesive key, flexible and durable, beautiful and generous

Hotel Lock

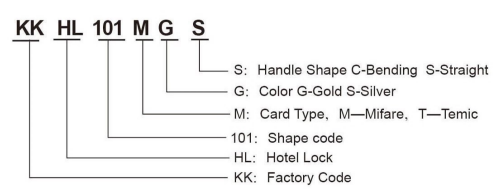
Specification

Power Supply	DC6V, used 4 PCS AA batteries
Static Power Consumption	<10μA
Dynamic Power Consumption	about 200MA
Low voltage Alarm	4.8V
Senser distance	3-5cm
Temperature	-20°C ~ 50°C
Humidity	<95%
Anti Static	> 15000V, Information can keep completely under
Electricity	strong electrostatic interference , stable working status
Material	Stainless Steel, Electroplating Gold (Silver)
Installation	≥ 36mm thickness of the door, if the door surface with
Dimensions	lace, the lace from the door edge should be more than 110mm
Open Direction	Push left /right and Pull left /right
Lock Dimensions	Height 300mm, Width 83mm, Thickness 26.5mm
lock Core Dimensions	Height 204mm, Width106mm, Thickness 23mm
Card Type	PHILIPS Mifare1 card (Smart Card), S50
Lock Weight	4kg

Configuration Description

- KKHL101MSS Hotel Locks
- HLE232RW Card Encoder
- 5588RW Initiator (with Initialization Software)
- HLTC380 Data Collector
- HotelLockMF Hotel Lock Management Software
- EPS1086 Energy Saving Switch
- Mifare S50 Smart card

Model Identification



Hotel lock system consists of smart card hotel locks, computer, management software, Encoder, Mifare card, energy saving switch.

All locks are designed by Italy & Israel famous designer, which has luxury and Standard series. It can be printed Hotel Name and Logo on the Lock according to customer's requirement. Hotel locks adopts stainless steel lock plate and handles, Mifare cards and mechanical key to open the door, low-voltage alarm.

Features

- Five levels of control: General control, building control, floor control, area control and room control.
- Cipher coding to key card: Each card has a unique code that cannot be copied. Compulsory decoding will destroy the card automatically.
- Area control: Cards of different types and levels can open different locks in different locations.
- Timing control: Working clock is set inside locks to control the effective time limit of card keys.
- File record: All issued card keys have records including each opening (also mechanical key opening).
- Loss reporting: Open function can be cancelled when the card is missed.
- Strong compatibility and expansiveness.

Configuration instructions

- KKHL101MSS
- HLE232RW
- 5588RW
- HLTC380
- HotelLockMF
- EPS1086
- Mifare S50, IC Card

Hotel Lock



KKHL101MGS KKHL101MSS KKHL800MGS KKHL800MSS



KKHL820MCS KKHL820MGBS KKHL820MGS KKHL820MSBS KKHL820MSS



KKHL830MCS KKHL830MGBS KKHL830MGGS KKHL830MSS KKHL830MSSS

Accessories for Hotel Locks



HLE232RW Card Encoder



HLTC380 Data Collector



EPS10860 Energy saving Switch

Specification

- Current: 150ma
- Interface: RS232 Serial Port

Function Description

- Compatible with standard serial port RS232, can match with any equipment or PC,
- No need driver support,
- Direct read card information,
- Standard card slot, easy to use,
- Low power consumption, USB power, no external power supply, HLE232RW Card Issuing Device,
- ABS materials, beautiful and generous,
- Dustproof, waterproof features, suitable for a variety of places to install,
- Fast response, anti interference,
- Low power consumption, energy saving, good stability
- WDT watchdog, with power-on self-test function.

Specification

- Battery: 6VDC, 4 PCS AA batteries
- Color: white
- Transmission: Infrared Transmission
- Communication interface: RS232
- Storage Capacity: 224 records
- Lights: Red / Green Color
- Buzzer: Yes
- Working Environment: -10°C~50°C
- Humidity: 10~ 90%
- Size: L104×W60×H20(mm)

Order Information

HLE232RW HLTC380	HLE232RW Card Encoder HLTC380 Data Collector
Packing Information	<ul style="list-style-type: none"> ■ HLE232RW * 1 ■ HLTC380 * 1 ■ Manual Specification * 1 ■ QC Certificate * 1

Converter

RS485HUB

- HUB: RS-485 BUS expand to 4 pcs RS-485 BUS
 - Converter: Converting RS232 to RS485 and expand to 4 PCS RS-485 BUS
 - Repeater: increase the communication distance of RS-485 BUS
 - Baud Rate: 0-115,200bps, Transmission Distance: 1,200m (9600Bps),
 - Working Temperature: -30°C - 70°C ,
 - Humidity: 5% -95%,
 - Every RS485 BUS line has communication status led which blinks for normal communication and turns red when there's a communication problem with the controller.
- Variety of purposes:
- RS485 (HUB)
 - RS485 (Repeater)
 - RS485 (Converter)

WTC-485

- Wireless point to point transmission, multipoint transmission, save wiring trouble.
- Up to 1000M distant with obstructed transmission, strong penetration.
- Up to 4 channels to enable multiple data flow transmission.
- Interfaces for RS485/232
- Active driver with optical isolation
- 3 LED indicators.
- External interface for easy connection
- No need for outsourcing driver or configuration, easy to use.
- Baud rate : ≤115,200Bps
- Metal surface, outstanding electrostatic shielding.
- High stability and more reliable based on ISO:9001



IC-232

- Supporting RS485 / 232 conversion, transmission distance can reach 1200 meters,
- 3LED indicates the communication status, intuitive and clear,
- External interface, easy to install
- Need no any drivers and settings
- Adjustable baud rate, from 300-38,400bps
- Micro processor built in, with stable performance
- Metal case, has good electronic shielding function.



WG232

- Protocol converter from Wiegand to RS232
- Dual direction for RS232 and Wiegand
- Temperature: -30°C - 70°C ,
- Humidity: 5% -95%
- Easy and user friendly installation
- Stable performance
- Dimension: 63mm*93mm*20mm



CON-ABA2WG

Protocol converter from ABA to Wiegand

- Standard ABA data format could be converted into standard Wiegand format
- Used to magnetic reader to TC3XY controller
- Supporting 26 Bits and 34 Bits output
- 3 LEDs for status indicator
- External interface, easy to install
- Need no any drivers and settings
- Micro processor built in, with stable performance
- Metal case, has good electronic shielding function.



USB-485/232

Three applications

- USB-RS485 converter,
- USB-RS232 converter,
- USB-RS422 converter,
- USB interface
- Plug and Play, and need driver,
- Temperature: -30°C - 70°C ,
- Humidity: 5% -95%,
- Easy and user friendly installation
- Stable performance



C2100

- Supporting data conversion format from RS485 and RS422 to/from TCP/IP data format
- Metal case, has good electronic shielding function
- Three LEDs for status indicator
- Supports 127 controllers
- Adjustable baud rate, from 0 to 115,200bps,
- Transmitting range can be up to 1,200 meters
- Software: Virtual COM port or SDK
- Temperature: -50°C - 70°C
- Humidity: 5% - 95%
- Dimension: 63 x 93 x 20 mm



Turnstile

A turnstile, also called a baffle gate, is a form of gate which allows one person to pass at a time. It can also be made so as to enforce one-way traffic of people, and in addition, it can restrict passage only to people who insert a coin, a ticket, a pass, or similar. Thus a turnstile can be used in the case of paid access (sometimes called a faregate when used for this purpose), for example public transport as a ticket barrier or a pay toilet, or to restrict access to authorized people, for example in the lobby of an office building.

Turnstiles are used at a wide variety of settings, including stadiums, amusement parks, mass transit stations, office lobbies, airports, ski resorts, and casinos.

From a business/revenue standpoint, turnstiles give an accurate, verifiable count of attendance. From a security standpoint, they lead patrons to enter single-file, so security personnel have a clear view of each patron. This enables security to efficiently isolate potential trouble or to confiscate any prohibited materials. They can, on the other hand, become a serious safety issue when a speedy evacuation is needed.

Persons with disabilities may have difficulties using turnstiles. In these cases, generally a wide aisle gate or a manual gate may be provided. At some locations where luggage is expected, a line of turnstiles may be entirely formed of wide aisle gates, for example at Heathrow Terminals 1,2,3 Underground station.

Specification

Card Reader Mounting

Surface mounting only of customer supplied readers

Status Lights

Upon authorization a Green arrow will illuminate in the direction of passage authorization whilst in the opposite direction a Red Cross symbol will illuminate to indicate the unit is not available for use or is already in use.

Usage Counters (Optional)

It is available to calculate automatically the number of personnel passing through the passage and to display directly in LED for the administrator, who can understand clearly the personnel passing in a certain direction.

Drop Arm

In the event of an emergency or isolation of the power supply the horizontal tripod arm will drop automatically to create a clear walkway for escape.

Mechanical Operation

Non-electrical unit allowing free movement in one direction-reverse direction locked

Fire Control

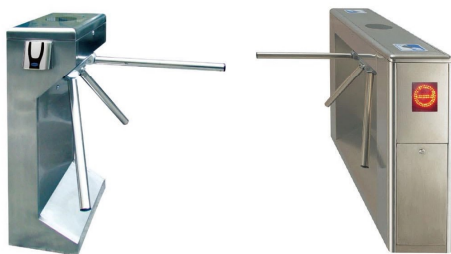
It has far end control function for down/up rod to meet the special requirements of the users and the fire control

Card Reading W/O Memory

It has a function of reading card with or without memory, and it may be set up with the built-in small keyboard in accordance with the requirements of the users

Users Include

Government Retail/Finance/Telecommunications/Information Technology /Banking/Publishing/Leisure/Petrochemical/Education etc.



JK2000SL

JK2000SC

Item	Description
Housing	Stainless steel
Dimension	1200mm*280mm*980mm (L*W*H)
Weight	40kg
Trop Arm Length	460(mm)
Flow Rates	10-40 persons/min (Depend on different Reader device)
Power Supply	220V AC 50/60Hz
Push Button Control	Simple Push Button Console
Input Port	Dry Contact Signal
Working environment	Indoor/Outdoor Temperature: -30°C~60°C Humidity: 5%~90%

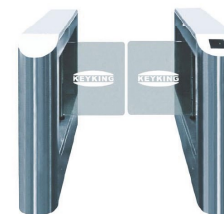
Order Information

JK2000YC	Optical Turnstile/Flap Barrier
JK2000BX	Swing Gate
JK2000BX2	Swing Gate
JK2000SC	Tripod Turnstile(Standard)
JK2000SL	Tripod Turnstile(Small)
Packing Information	■ JK2000 * 1 ■ Manual Specification * 1 ■ QC Certificate * 1

Swing/Wing Gate



JK2000YC



JK2000BX

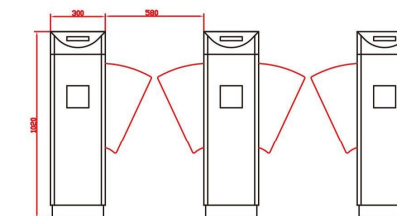
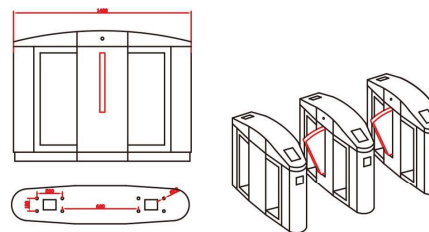


JK2000BX2

Swing/Wing Gate is a faster electronic turnstile, speed gate also, and it will make the gate faster. Of course it means not only Hi-tech, but also good view.

Specification

Item	Description
Housing	Stainless steel, SUS304, 1.2mm
Dimension	1200mm*280mm*980mm (L*W*H)
Weight	50Kg
Gate Length	550-600mm
Flow Rates	10-40 persons/min
Power Supply	220V AC 50/60Hz
Busy Mode	Keep gate open, alarm and closed without swipe valid card
Input Port	Dry Contact Signal
Working environment	Indoor, Outdoor Temperature: -30°C~ 60°C Humidity: 5%~90%



Features

1. Fault detection and alarm functions, easy to use and maintenance
2. The running status can be programmed and controlled with the built-in keyboard on the main board
3. Mechanical antipinch function. If the gate meets resistance in the reset process, motors will stop working automatically within the prescribed time and reset again after the default delay (till fully reset)
4. Anti-breakthrough function. The gate is locked automatically until opening signal received
5. Synchronization functions (for dual gate equipments)
6. Automatic reset function. Should the user fail to pass within the prescribed time (default time is 5 seconds), the system will cancel the authority of the current user automatically
7. Gate can be set as normally open or normally closed
8. Can be used with variety of card readers: IC / ID card readers, bar codes, fingerprints, etc. (Access controller needed)
9. Direction can be set as single-direction or bi-direction
10. LED direction indicator
11. Gate auto opens when power off and auto close when power on, complying with fire safety requirements
12. Alarm function, in case of illegal intrusion and reverse intrusion, etc.
13. Counter function (optional)
14. Support infrared photocell for anti-pinch and reset function (optional)



Electronic Locks



Model: CB-5015
Cathode Lock (Standard)
Dimension:
150*40*31mm
Power: 12VDC
Current: 300ma
Security lock: Fail Security



Model: CB-5014
Cathode Lock (Horns Type,
Short Lock Plate)
Dimension: 150*25*31mm
Power: 12VDC
Current: 300ma
Security lock: Fail Security
Color: Silver/Grey



Model: CB-5014HZ
Cathode Lock (Europe and
US, Long Latch Plate)
Dimension: 300*25*31mm
Power: 12VDC
Current: 300ma
Security lock: Fail Security



Model: CB-5634
Door Folder Lock (Frameless
Glass door)
Dimension: 150*28*31mm
Power: 12VDC
Current: 300ma
Glass Thickness: 10-12mm
Safety type: Fail Safe

Model: ML205
Drop Bolt (Glass Door)
Dimension: 205*34*42mm
Voltage: 12VDC
Static current: 300ma
Start current: 900ma
Automatic Lock: 0-5 seconds
Safety type: Fail Safe
Door Sensor: NC dry contact



Model: MLSH01
Magnetic Lock
Dimension: 250*30*48mm
Power: 12VDC
Current: 600ma
Pulling force: 300 KG
Safety type: Fail Safe
Lock Status: NC/NO dry contact

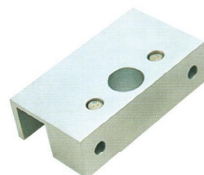


Model: MLSH01*2
Double doors Magnetic Lock
Dimension: 500*30*48mm
Power: 12VDC
Current: 1200ma
Pulling force: 300 KG
Safety type: Fail Safe
Lock Status: NC/NO dry contact



ML2016

Underpart Bracket for ML205
Dimension: 90*25*46.5mm
Application: Glass Door



ML205UU

Bracket for ML205
Dimension: 210*58*47mm
Application: Glass wall and Door



Z/L Bracket 01

Magnetic lock bracket
Dimension: L Shape: 250*30*47mm
Z: 185*30*50mm
Bracket for MLSH01



Z/L Bracket 02

Magnetic lock bracket
Dimension: L Shape: 350*40*50mm
Z: 250*40*50mm
Bracket for MLSH02



Accessories

Demo Case: DS-TC3XY-D



SMPS1260MT
Switch Mode Power Supply
with Charger
Dimension: 220*160*80mm
Output voltage: 12V, 6A
Input voltage: 100-250VAC
Battery type: 3-7A



GXQ-1308 Power Transfer Loop



Door Sensor



SG12 Sound & Light Alarm

Exit Button



BT50



BT86

TouchPad Exit Button



BT5002



BT6609



BTRF8602



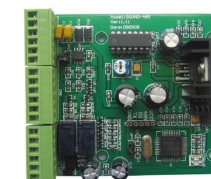
1011



Emergency Button



Remote Controller



Sound-485 Sound Module



GS86 (Break Glass Emergency Button)

PROJECTS

Israel

Biological Institute- RT
 Israel Police head quarters- RT
 Chile embassy- IDP
 TAAS – Taassia Tsvaet- RT
 Bazan Batei Hazikuk- RT
 Kupat Holim Klalit- RT
 Partner Orange Cellular- OR
 Migdal Insurance Company- HASH
 Dash Finance- RT
 Prisma Finance- MC
 Analyst Finance- RT
 Meniv Rishon Letzion- AF
 Hever Organization- RT
 San Disc- AF
 Tara Company- RT
 Alcatel Company-RT
 Materna Company- MC
 Alcatel.Lucent

Chile

France official post office – Paris
 PUERTO TERRESTRE
 INTERNACIONAL DE CHILE
 IMPRESORES ROENSA

Dominican Republic

Editora J.L
 Casino de hotel Palma Real Bávaro
 Tropigas
 Worldlink

Greece

Ministry of Education, Athens
 Nokia H.O., Athens
 Puplic Library Eleftheroupoli, Kavala
 Epom, Athens
 Petropoulakis, Athens
 Alfa Kritis, Iraklio
 Flying Security, Athens
 Sprinder Stores H.O., Athens
 Bus termanial, Athens
 KTEO, Athens



PROJECTS

Spain

ESTABLECIMIENTOS MIRÓ, All over Spain
 TUIMAR, S.L, Vigo
 MUSEO MARQ, Barcelona

Belgium

CHARENTON
 ST-MAUR
 ALENCON
 THIONVILLE HOSPITAL
 VAN CLEEF & ARPELS

Latvia

Triangula Bastions – Riga
 Magnat – Riga
 RVR - Riga
 Dunkerk- Riga
 Digital Minds

Serbia

PARAČINKA
 STRONG
 DDS
 STERN
 ITSC

Peru

Ulma Company - Lima
 Iron Mountain Factory - Lima

USA

High Security
 Bakery
 Government Buildings
 Private Offices
 Metrolina
 The Base

Thailand

The City of Edition Parkland
 Chana Design
 Parkland Ratchada Thapra
 Progress Apartment
 Phuket Villa Patong Beach
 Piyathip Service Apartment
 Be You Condo
 Bundid Apartment



PROJECTS

Spain

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MUSEO MARQ, Barcelona

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Dunker- Riga
Digital Minds

Serbia

PARAĆINKA
STRONG
DDS
STERN
ITSC

Peru

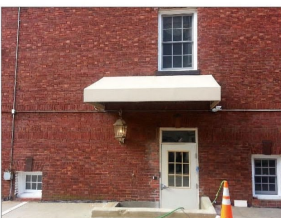
Ulma Company - Lima
Iron Mountain Factory - Lima

USA

High Security
Bakery
Government Buildings
Private Offices
Metrolina
The Base

Thailand

The City of Edition Parkland
Chana Design
Parkland Ratchada Thapra
Progress Apartment
Phuket Villa Patong Beach
Piyathip Service Apartment
Be You Condo
Bundid Apartment



PROJECTS

Philippines

Philippine Bureau of Immigration
Pacific Strategies Inc (American
Security Assessment Company)
CDO Food Sphere (One of the largest
food processing plants in the Philippines)
MKP Manufacturing (Japanese
Electronics Manufacturing)
Platinum Plans (One of the largest
Insurance Companies in the Philippines)

Singapore

Ikea Tampines
HDB HUB
Marina Bay Financial Centre
Whlister & Wine
Novatis
Tong Joo Shipping
Pemac
UOB Building
CPA House
Centre for Public Accountants
Pierce Bungalow
Dormitories for Foreign Workers

France

France official post office – Paris
NRJ Europe radio station

Ecuador

MARESA
BANCO RUMIÑAHUI
NABORS
IISA CIA LTDA
CORPORACION MYL
PINTULAC
BANCO INTERAMERICANO DE
DESARROLLO
TEVCOL
PETRO PRODUCCION
AECONAG (NUEVO AEROPUERTO QUITO)
MACOSA
CONDADO SHOPPING
ALMACENES JAPON
EBEL PARIS
PAGUE YA
EMBAJADA DE COLOMBIA



PROJECTS

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 Security Assessment Company)
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 MKP Manufacturing (Japanese
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 Platinum Plans (One of the largest
 Insurance Companies in the Philippines)

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 HDB HUB
 Marina Bay Financial Centre
 Whlister & Wine
 Novatis
 Tong Joo Shipping
 Pemac
 UOB Building
 CPA House
 Centre for Public Accountants
 Pierce Bungalow
 Dormitories for Foreign Workers

France

France official post office – Paris
 NRJ Europe radio station

Ecuador

MARESA
 BANCO RUMIÑAHUI
 NABORS
 IISA CIA LTDA
 CORPORACION MYL
 PINTULAC
 BANCO INTERAMERICANO DE
 DESARROLLO
 TEVCOL
 PETRO PRODUCCION
 AECONAG (NUEVO AEROPUERTO QUITO)
 MACOSA
 CONDADO SHOPPING
 ALMACENES JAPON
 EBEL PARIS
 PAGUE YA
 EMBAJADA DE COLOMBIA



PROJECTS

China

Futian Prison-Shenzhen
 Luohu Prison-Shenzhen
 Baoan Prison-Shenzhen
 Police Bureau-Shenzhen
 Police Bureau-Shanghai
 Police Bureau-Hangzhou
 Qincheng Prison-Beijing
 Jingjiang Government Centre
 68067 Army
 66292 Army
 Power Station of Guangdong
 Bank of China
 China Construction Bank
 China Merchants Bank
 Agricultural Bank of China
 Bank of Communications
 ZTE Communication Ltd
 Beijing Film University
 Central University of Finance &
 Economics
 Tongji University
 Xi'an Conservatory of Music

Other Country

Raimon Land
 ACE Insurance
 MPA Office
 Sanofi Aventis
 New Zealand Trade
 New Zealand Embassy
 Luxemburge Embassy
 South African Embassy
 Ghana Embassy
 AB Foods
 Double Impact
 Siam Liberty
 X-Trem
 Meinhardt
 Qatrar Embassy
 Hassell
 Mermaid
 ASM

