

KANTECH

From Tyco Security Products

North America PRODUCT CATALOG 2014



KANTECH



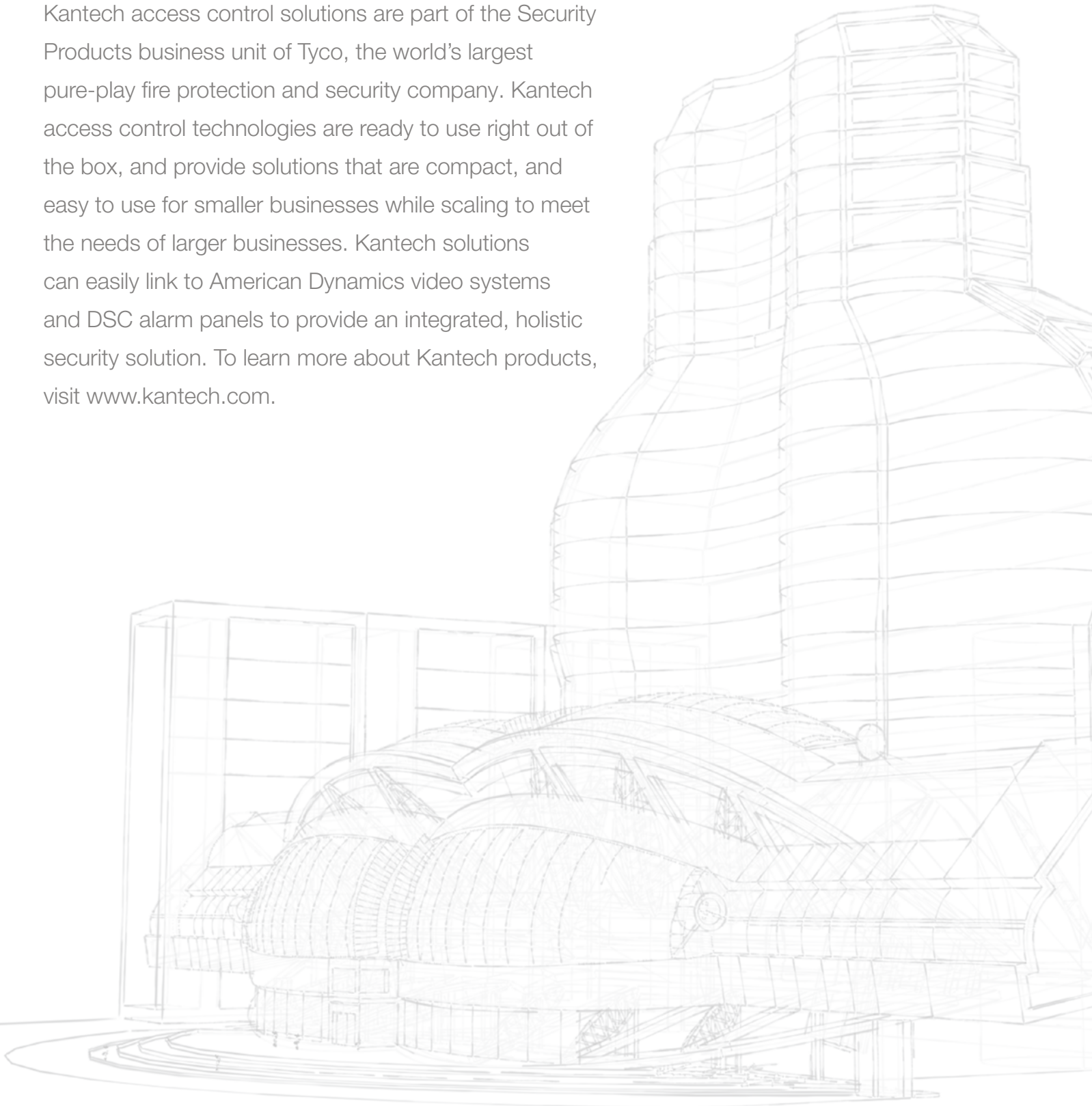
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Kantech Introduction

Kantech access control solutions are part of the Security Products business unit of Tyco, the world's largest pure-play fire protection and security company. Kantech access control technologies are ready to use right out of the box, and provide solutions that are compact, and easy to use for smaller businesses while scaling to meet the needs of larger businesses. Kantech solutions can easily link to American Dynamics video systems and DSC alarm panels to provide an integrated, holistic security solution. To learn more about Kantech products, visit www.kantech.com.



What's New from Kantech

We have highlighted below some of Kantech's new solutions that improve the user experience:



EntraPass Go

“Be in the know even when you are on the go”

EntraPass Go puts you in control of your security. It enables you to interact with the EntraPass security management software using only a few taps on your mobile device.

See page 10



EntraPass Web

“Keeping security at your fingertips”

The EntraPass Web platform enhances the user experience by delivering remote and convenient real-time access to manage common security tasks and reports from any computer connected to the internet.

See page 11



Intevo

“Intuitive, all-in-one security platform”

Intevo integrates access control, IP video and intrusion into one common and powerful platform that simplifies and streamlines all security procedures, minimizing setup time.

See page 16



ioPass Controller

“Stand-alone proximity access control”

Stand-alone single door solution that is perfect for smaller applications such as convenience stores, storage rooms or parking lots.

See page 25

EntraPass Special Edition

Security Management Software



EntraPass Special Edition is a single workstation security software. It controls up to 128 doors with KT-100/KT-300 and up to 256 doors with KT-400 door controllers. The software is comprehensive and menu-driven. It is easy to learn and operate. Administrators can define or modify parameters such as schedules or access levels, generate reports and activate controlled devices (i.e. locking/unlocking doors, or activating relays for lighting or air conditioning). EntraPass offers integration with Exacq video management systems, American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR and Intellex) and DSC PowerSeries and MAXSYS intrusion alarm panels.

Features:

- Fast/user-friendly installation/operation
- Integrates with telephone entry systems
- Embedded Sybase SQL database engine
- Built-in e-mail reporting capability
- Double and triple swipe card at reader (KT-400 controller) to activate relay, arm alarm system, lock/unlock doors and more
- Integrates with Exacq video management systems, American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR and Intellex) and DSC PowerSeries and MAXSYS intrusion alarm panels



“Single Workstation Security Management Software”

Model Numbers:

E-SPE-EN-V6	EntraPass Special Edition software and English user manual
E-SPE-FR-V6	EntraPass Special Edition software and French user manual
E-SPE-V6-LIC	EntraPass Special Edition software license
E-SPE-V6	EntraPass Special Edition software
E-SPE-UPG-V6	EntraPass Special Edition software upgrade from v3.xx to v6.xx
E-SPE-UPG-V6-LIC	EntraPass Special Edition software upgrade license

Kantech Advantage Program (KAP) Token:

E-SPE-KTK-1	1 Kantech Token
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User Manual:

E-SPE-MAN-EN	EntraPass Special Edition English user manual
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Related Products



ioProx Readers



KT-100 One-Door Controller



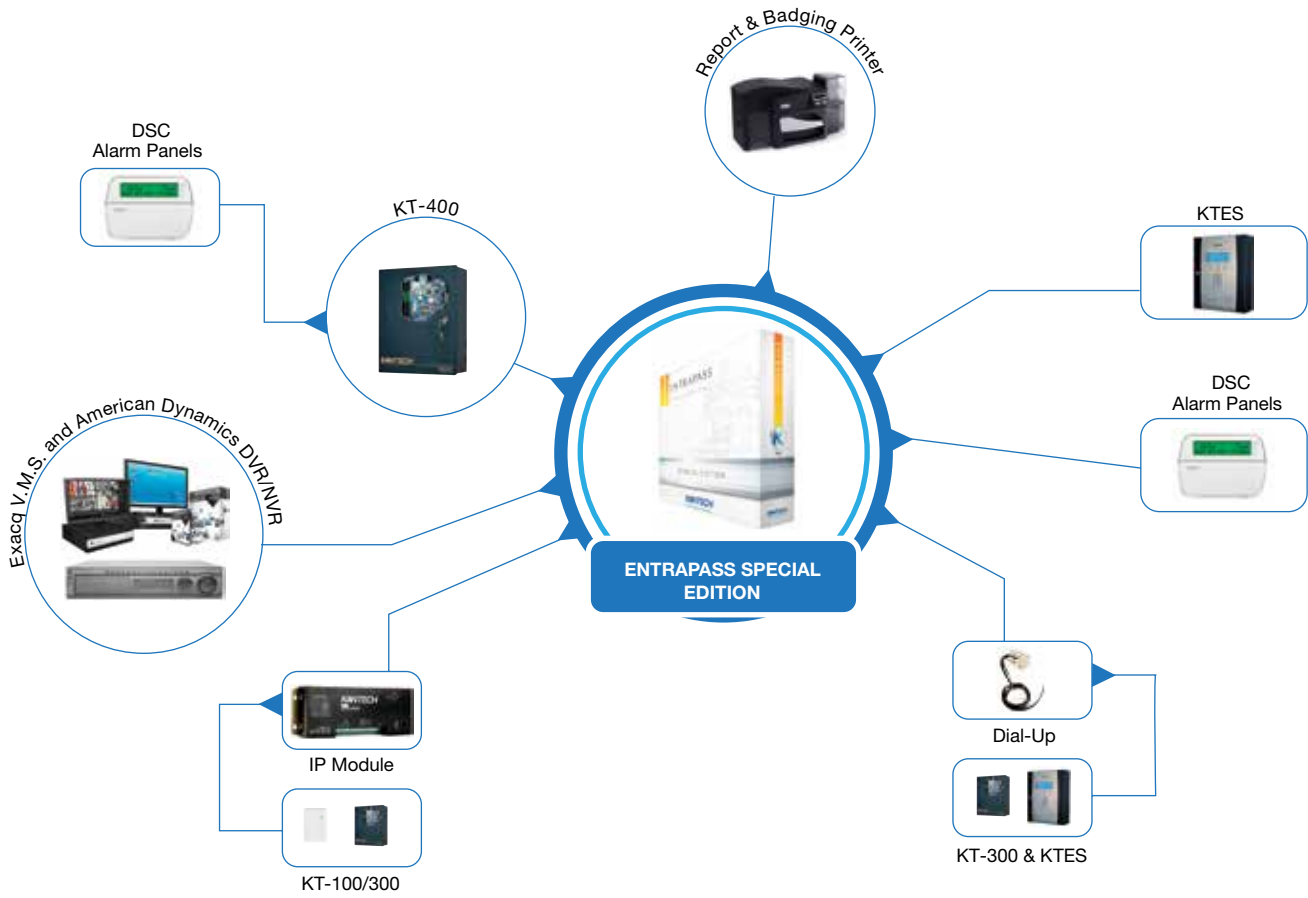
DSC Alarm Panels



Intellex Digital Video Management

EntraPass Special Edition

Security Management Software





EntraPass Corporate Edition is a proven platform that offers the ultimate balance between power and affordability in a network environment. It supports Kantech IP Link which provides a secure and affordable way to manage an access control system over a network using KT-100 or KT-300 controllers. The software integrates advanced security features such as EntraPass Go mobile app and EntraPass Web platform that deliver remote and convenient access to common security tasks and reporting. The enhanced user experience makes navigation and operation easy and intuitive.

Features:

- Supports up to 20 workstations and controls hundreds of thousands of doors
- Embedded Sybase SQL database engine
- Supports up to 50 concurrent logins of EntraPass Web and/or EntraPass Go
- Integrates with Exacq video management systems, American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR and Intellex) and DSC PowerSeries and MAXSYS intrusion alarm panels
- Double and triple swipe card at reader (KT-400 controller) to activate relay, arm alarm system, lock/unlock doors and more



“Multiple workstation security software”

Model Numbers:

E-COR-EN-V6	EntraPass Corporate Edition software and English user manual
E-COR-FR-V6	EntraPass Corporate Edition software and French user manual
E-COR-V6-LIC	EntraPass Corporate Edition software license
E-COR-V6	EntraPass Corporate Edition software
E-COR-UPG-V6-EN	EntraPass Corporate Edition software upgrade from v3.xx to v6.xx and English user manual
E-COR-UPG-V6-FR	EntraPass Corporate Edition software upgrade from v3.xx to v6.xx and French user manual
E-COR-UPG-V6-LIC	EntraPass Corporate Edition software upgrade license

Additional Workstation and Gateway Licenses:

E-COR-WS1	License for 1 Workstation (v3.xx and higher)
E-COR-WS6	License for 6 Workstations (v3.xx and higher)
E-COR-COM	License for 40 Multi-Site Gateways (v3.xx and higher)

Options:

E-COR-RDN	License for 1 Redundancy Server (v3.xx and higher)
E-COR-SQL	License for 1 Card Gateway - MS SQL Database Interface (v3.xx and higher)
E-COR-VVM	License for 1 EntraPass Video Vault (v3.xx and higher)
E-COR-WEB-1	License for 1 concurrent WebStation login (v4.xx and higher)

Related Products



KTES
Telephone Entry System



KT-300
Two-Door Controller



DSC
Alarm Panels



Intellex
Digital Video Management

EntraPass Corporate Edition

Security Management Software

Options (Continued)	
E-COR-WEB-3	License for 3 concurrent WebStation logins (v4.xx and higher)
E-COR-WEB-10	License for 10 concurrent WebStation logins (v6.01 and higher)
E-COR-WEB-25	License for 25 concurrent WebStation logins (v6.01 and higher)
E-COR-DVR-1	License for single 3rd party DVR (v5.02 and higher)
Kantech Advantage Program (KAP) Tokens:	
E-COR-KTK-1	1 Kantech Token
E-COR-KTK-2	2 Kantech Tokens
E-COR-KTK-3	3 Kantech Tokens
E-COR-KTK-5	5 Kantech Tokens
E-COR-KTK-10	10 Kantech Tokens
User Manual:	
E-COR-MAN-EN	EntraPass Corporate Edition English user manual





EntraPass Global Edition is a powerful, network-ready enterprise level security management software that accommodates widely-dispersed applications with an unlimited number of users, controls thousands of doors and allows you to simultaneously access the system from up to 128 workstations connected to the network. Global Edition software integrates advanced security features such as EntraPass Go mobile app and EntraPass Web platform that deliver remote and convenient access to common security tasks and reporting. The enhanced user experience makes navigation and operation easy and intuitive.

Features:

- Supports up to 128 workstations and controls hundreds of thousands of doors
- Embedded Sybase SQL database engine
- Global virtual alarm system, anti-passback, guard tours and muster reporting
- Supports up to 200 concurrent logins of EntraPass Web and/or EntraPass Go
- Integrates with Exacq video management systems, American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR and Intellex) and DSC PowerSeries and MAXSYS intrusion alarm panels



“Network-ready, enterprise level software”

Model Numbers:

E-GLO-EN-V6	EntraPass Global Edition software and English user manual
E-GLO-FR-V6	EntraPass Global Edition software and French user manual
E-GLO-V6-LIC	EntraPass Global Edition software license
E-GLO-V6	EntraPass Global Edition software
E-GLO-UPG-V6-EN	EntraPass Global Edition software upgrade from v3.xx to v6.xx and English user manual
E-GLO-UPG-V6 -FR	EntraPass Global Edition software upgrade from v3.xx to v6.xx and French user manual
E-GLO-UPG-V6-LIC	EntraPass Global Edition software upgrade license

Additional Workstation and Gateway Licenses:

E-GLO-WS1	License for 1 (v3.xx and higher)
E-GLO-WS8	License for 8 Workstations (v3.xx and higher)
E-GLO-COM-WIN	License for 16 Global Gateways - Windows NCC - (v3.xx and higher)
E-GLO-CORCOM	License for 40 Multi-Site Gateways (v3.xx and higher)

Options:

E-GLO-RDN	License for 1 Redundancy Server (v3.xx and higher)
E-GLO-SQL	License for 1 Card Gateway - MS SQL Database Interface (v3.xx and higher)
E-GLO-VVM	License for 1 EntraPass Video Vault (v3.xx and higher)
E-GLO-WEB-1	License for 1 concurrent WebStation login (v4.xx and higher)
E-GLO-WEB-3	License for 3 concurrent WebStation logins (v4.xx and higher)

Related Products



T.Rex
Request-To-Exit Detector



Kantech
Door Controller Family



DSC
Alarm Panels



Intellex
Digital Video Management

EntraPass Global Edition

Security Management Software

Options (Continued)	
E-GLO-WEB-10	License for 10 concurrent WebStation logins (v6.01 and higher)
E-GLO-WEB-25	License for 25 concurrent WebStation logins (v6.01 and higher)
E-GLO-WEB-50	License for 50 concurrent WebStation logins (v6.01 and higher)
E-GLO-INFVID	License for EntraPass InfiniView - 128 additional video servers (v5.01 and higher)
E-GLO-DVR-1	License for single 3rd party DVR (v5.02 and higher)
E-GLO-DVR-UNL	License for unlimited 3rd party DVR (v5.02 and higher)
Kantech Advantage Program (KAP) Tokens:	
E-GLO-KTK-1	1 Kantech Token
E-GLO-KTK-2	2 Kantech Tokens
E-GLO-KTK-3	3 Kantech Tokens
E-GLO-KTK-5	5 Kantech Tokens
E-GLO-KTK-10	10 Kantech Tokens
E-GLO-KTK-20	20 Kantech Tokens
User Manual:	
E-GLO-MAN-EN	EntraPass Global Edition English user manual



EntraPass Go

Mobile Security Platform



EntraPass Go allows you to remotely control your security system from anywhere without being tied to a workstation. EntraPass Go puts you in control of your security. It enables you to interact with EntraPass security management software using only a few taps on your mobile device. The easy-to-use mobile app offers anytime, anywhere real-time management of over 20 security tasks. Manage/create cards, lock/unlock doors, request reports and more. EntraPass Go is available for download on the App Store and Google Play.

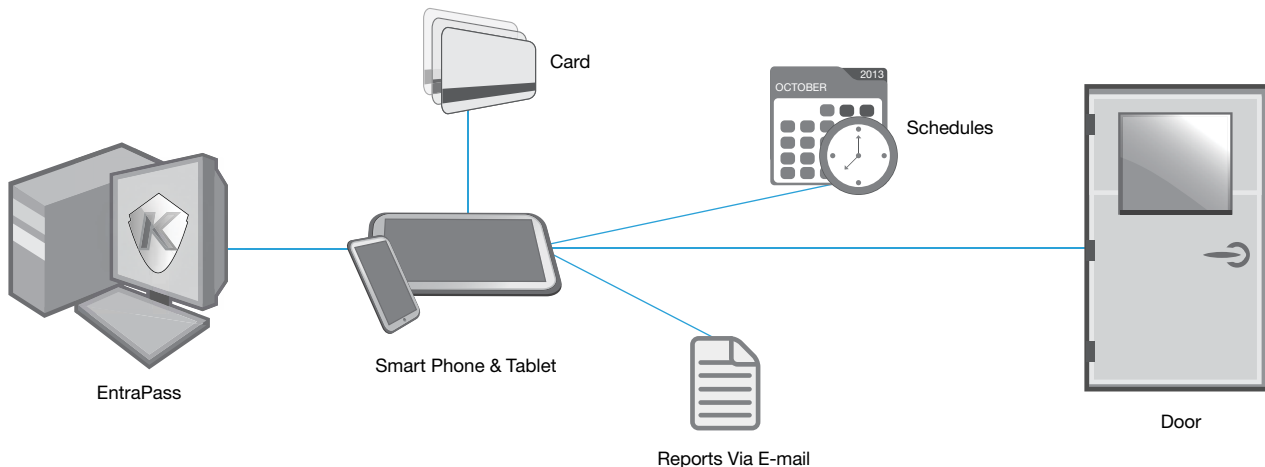
EntraPass Go requires EntraPass Corporate Edition or Global Edition v6.0 and higher.

Features:

- Convenient and intuitive interface
- Manage cards and take user's photos
- Integrates with EntraPass software
- Control over 20 security tasks in real-time
- Apple and Android compatible



"Security on the go"



Related Products



EntraPass Web

Remote User Platform



The EntraPass Web platform enhances the user experience by delivering remote and convenient real-time access to manage common security tasks and reports from any computer connected to the internet. Security managers on the go can perform a host of functions via EntraPass Web, including locking/unlocking doors, managing cards and schedules, requesting reports, viewing live video, monitoring events by floor plan and so much more. Simply download the EntraPass Web application from any Windows PC web browser and stay connected even when on the go!

EntraPass Web requires EntraPass Corporate Edition or Global Edition v6.0 and higher.

Features:

- Intuitive design
- Monitor, manage and maintain security system without on-site personnel
- One interface for viewing video, operating DSC virtual keypad and managing doors
- Configurable to your specific needs for higher productivity
- Connect multiple monitors



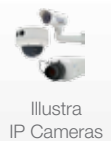
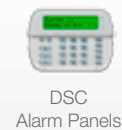
“Security at your fingertips”

Model Numbers

E-COR-WEB-1	EntraPass Corporate Edition license for 1 concurrent WebStation login (v4.xx and higher)
E-COR-WEB-3	EntraPass Corporate Edition license for 3 concurrent WebStation logins (v4.xx and higher)
E-COR-WEB-10	EntraPass Corporate Edition license for 10 concurrent WebStation logins (v6.01 and higher)
E-COR-WEB-25	EntraPass Corporate Edition license for 25 concurrent WebStation logins (v6.01 and higher)
E-GLO-WEB-1	EntraPass Global Edition license for 1 concurrent WebStation login (v4.xx and higher)
E-GLO-WEB-3	EntraPass Global Edition license for 3 concurrent WebStation logins (v4.xx and higher)
E-GLO-WEB-10	EntraPass Global Edition license for 10 concurrent WebStation logins (v6.01 and higher)
E-GLO-WEB-25	EntraPass Global Edition license for 25 concurrent WebStation logins (v6.01 and higher)
E-GLO-WEB-50	EntraPass Global Edition license for 50 concurrent WebStation logins (v6.01 and higher)



Related Products





As EntraPass security management software continues to deliver new features and enhancements, it is important to have the productivity tools and training support to effectively use this solution. The Kantech Advantage Program (KAP) allows you to stay current with your EntraPass software installation using tokens. The number of tokens required is based on the EntraPass options activated per the chart below.

Features:

- Gain access to additional 12 months of software updates/upgrades
- Stay current with EntraPass software
- Access end user online training



“Newest features available when needed”

Number of Tokens Required Per EntraPass Option			
EntraPass Options	EntraPass Special Edition	EntraPass Corporate Edition	EntraPass Global Edition
Base EntraPass System (Without WebStation)	1	1	3
Per 3 Concurrent WebStation logins	-	1	1
Per Video Vault	-	1	1
Per Card Gateway	-	1	1
Per Redundant Server	-	1	1
Per 4 or 5 Workstations	-	1*	1+
Model Numbers			
Number of Tokens	EntraPass Special Edition	EntraPass Corporate Edition	EntraPass Global Edition
1	E-SPE-KTK-1	E-COR-KTK-1	E-GLO-KTK-1
2	-	E-COR-KTK-2	E-GLO-KTK-2
3	-	E-COR-KTK-3	E-GLO-KTK-3
5	-	E-COR-KTK-5	E-GLO-KTK-5
10	-	E-COR-KTK-10	E-GLO-KTK-10
20	-	-	E-GLO-KTK-20

- Feature or model is not available, *1 token required for every 4 active EntraPass Corporate Edition workstations, +1 token required for every 5 active EntraPass Global Edition workstations

Related Products



EntraPass Global Edition Security Management Software



EntraPass Corporate Edition Security Management Software



EntraPass Special Edition Security Management Software

Video Vault

Video Archive Management



Video Vault offers an alternative to manually saving each video clip one-by one. Simply pre-define groups for the video clips such as door forced open or access denied. Video Vault then saves the clips to the appropriate group based on whatever schedules are chosen. Video clips can also be organized as .bmp images in lieu of icons. It can connect up to 128 Exacq and/or American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR and Intellex) via integration with EntraPass software and can archive the imported video to as many as 24 digital storage devices.

Video Vault requires EntraPass Corporate Edition or Global Edition v3.xx and higher.

Features:

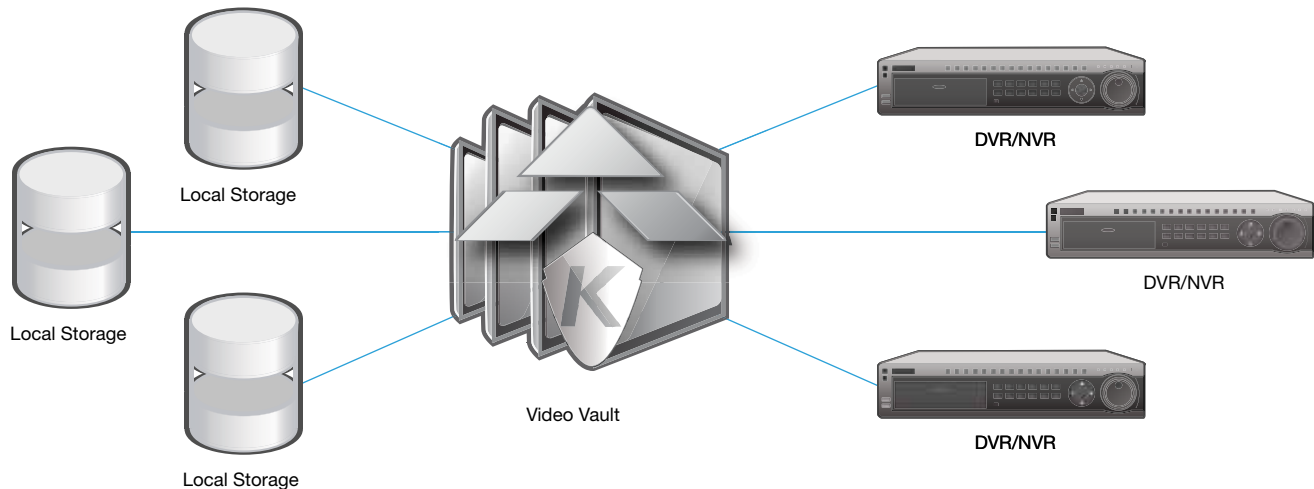
- Organize video clips by event category for future reference
- Thumbnail images can be created on the first frame of each video clip
- Stores unlimited amount of video clips
- Automatically associate .bmp image with each video clip
- Connect up to 128 Exacq and/or American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR and Intellex)



“Preserve, store and retrieve video”

Model Numbers:

E-COR-VVM	License for 1 EntraPass Video Vault (Corporate Edition v3.xx and higher)
E-GLO-VVM	License for 1 EntraPass Video Vault (Global Edition v3.xx and higher)



Related Products

- EntraPass Security Management Software
- VideoEdge Network Video Recorder
- HDVR Hybrid Video Recorder
- Intellex Digital Video Management

Redundancy Server

Mirror Database



Redundancy server protects the EntraPass database against unexpected failures and is an option available with Corporate and Global Edition software. It features real-time data transfer, creating fully functional redundancy at low cost. In the event of primary server failure, the mirror database automatically launches the redundancy server which supports all the features and functionality of the primary server. Best of all, the redundancy server is easy-to-implement and configure. Multiple redundant servers with mirror database can be used to provide local redundancy in an enterprise environment.

Features:

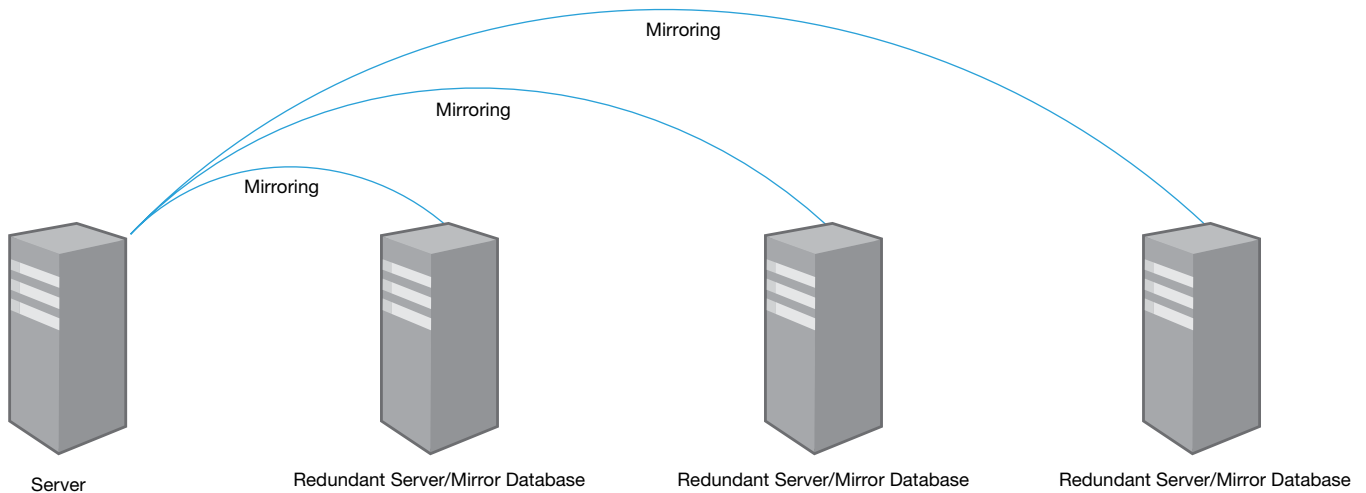
- Easy-to-implement and to configure
- Connect up to 128 redundant servers
- Fast and reliable data transfer
- Hardware and software redundancy
- Automatic switchover to redundant server
- Real-time data synch – achieve accurate and consistent data across the platform



“Safeguard against data loss and downtime”

Model Numbers:

E-COR-RDN	License for 1 Redundancy Server (EntraPass Corporate Edition v3.xx and higher)
E-GLO-RDN	License for 1 Redundancy Server (EntraPass Global Edition v3.xx and higher)



Related Products





SQL Database Access

EntraPass Global Edition Software offers an embedded high-performance SQL database engine to allow administrators to generate custom reports from the EntraPass database. Use the powerful ODBC protocol to connect to third party reporting tools and to create your own reports.



SmartLink Advanced System Integration and Automation

The SmartLink application enables operators to integrate EntraPass Corporate or Global Edition Software with most intelligent devices such as video multiplexers, HVAC systems, LCD panels, video matrix switchers, etc. SmartLink uses an RS-232, API or network connection between EntraPass and the external device. With the SmartLink Task Builder, EntraPass reaches new levels in task automation. A series of tasks, similar to macros, can be created and triggered on any event and component in the system. When an event occurs, the tasks are then executed by the system.



Card Gateway Credential Management

The Card Gateway is an external interface where the customer will be able to make additions, modifications and deletions to the card database through the use of SQL queries. The Card Gateway also creates a real-time, mirror copy of the EntraPass card databases (card, card group, card type and badge tables) in order to be used for Human Resource/personnel and card management.



Intevo integrates access control, IP video and intrusion into one common and powerful platform to deliver a holistic security solution. It's pre-loaded with Kantech's EntraPass Corporate Edition software, American Dynamics IP video software, and includes support for DSC PowerSeries and MAXSYS intrusion alarm panel integration. It is pre-configured to support EntraPass Go mobile app and EntraPass Web remote user platform. Intevo is easy to configure and includes a customized dashboard for easy system management.

Features:

- Plug and play capability
- Pre-configured for EntraPass Go mobile app and EntraPass Web platform
- Connect up to 32 IP cameras (Advanced model) or 16 IP cameras (Compact model)
- Integrates with Exacq and American Dynamics Digital Video Management Systems (see data sheet for more information)
- Windows 7 embedded



"The synergy of one"

Model Numbers:

INTEVO-ADV-3TB	Intevo (Advanced model) with single IP camera channel license, 3 TB hard drive
INTEVO-CMP-1TB	Intevo (Compact model) with single IP camera channel license, 1 TB hard drive

Accessories:

INTEVO-IPCAM01	1 IP camera channel license
INTEVO-IPCAM04	4 IP camera channel license
INTEVO-IPCAM08	8 IP camera channel license
INTEVO-IPCAM16	16 IP camera channel license
INTEVO-ADV-RM	Rack mount kit for Intevo Advanced model
INTEVO-ADV-PS	Intevo Advanced and Compact models external power supply
INTEVO-ADV-SSA	(Advanced model) one year Software Support Agreement (SSA)
INTEVO-CMP-SSA	(Compact model) one year Software Support Agreement (SSA)

Related Products



KTES
Telephone Entry System



EK-400
Access Control Expansion Kit



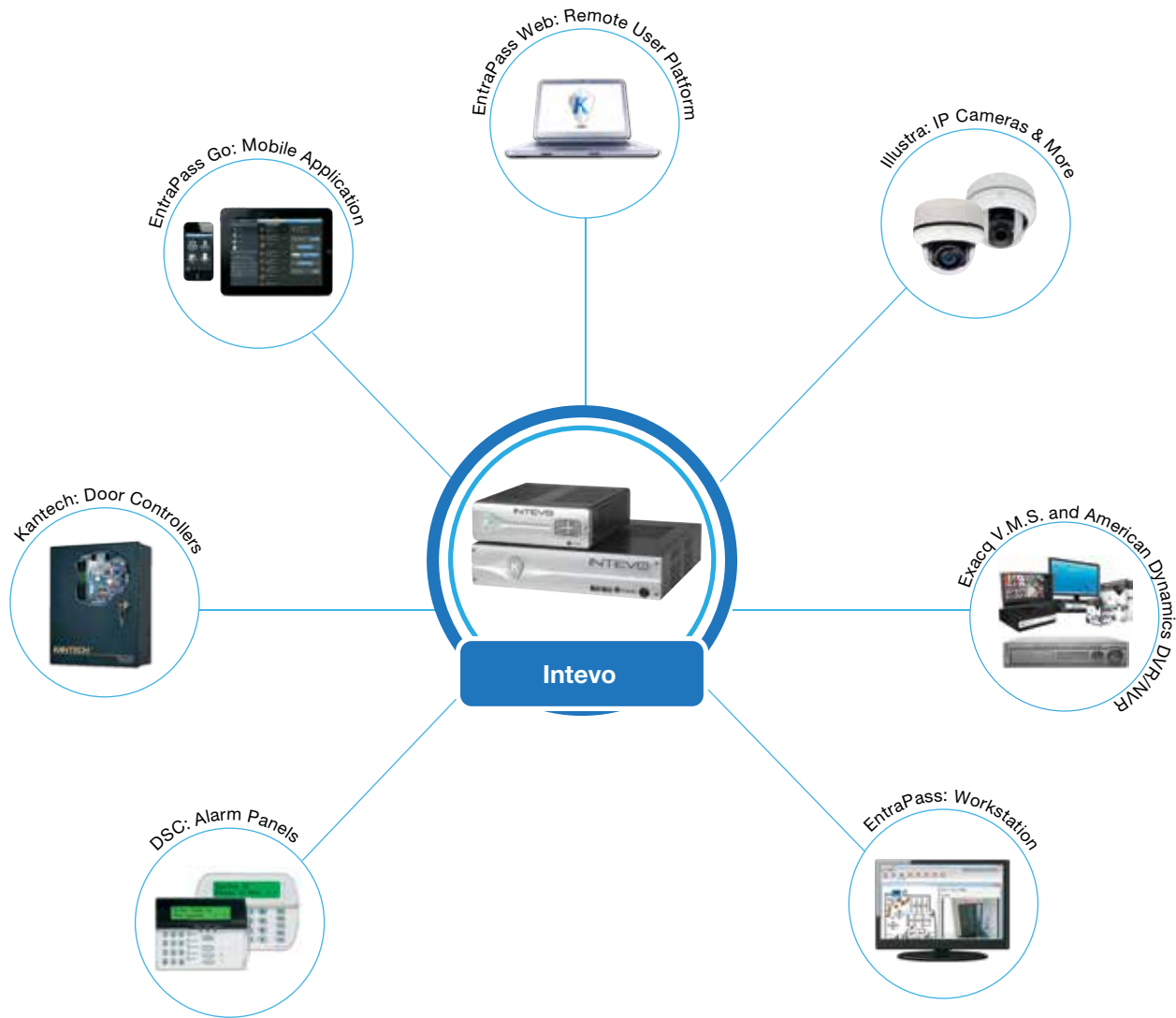
Illustra
IP Cameras



DSC
Alarm Panels

Intevo

Intuitive All-In-One Security Platform





The KT-400 four-door controller is a secure and easy-to-use networked access control solution. The KT-400 has an on-board Ethernet port that connects to existing network infrastructure and leverages the benefits of IP-based systems. Combine KT-400 with EntraPass security management software to create a highly scalable solution that can be deployed within one building or across multiple locations. The system easily scales from controlling four doors to a million doors and managing millions of cards at multiple locations.

Features:

- Secure 128-bit AES encryption solution
- 100,000 cards and 20,000 stored events in stand-alone mode
- Ethernet port for easy connectivity
- Data integration with DSC PowerSeries and MAXSYS intrusion alarm panels
- Double and triple swipe card at reader to activate relay, arm alarm system, lock/unlock doors and more



“Simple, scalable, secure door controllers”

Model Numbers:

KT-400	KT-400 PCB, accessory kit and metal cabinet with lock and keys
KT-400-PCB	KT-400 PCB and accessory kit

Expansion Modules:

KT-MOD-INP16	16-zone input module with 41 cm (16 in) SPI cable
KT-MOD-REL8	8-relay outputs module with 41 cm (16 in) SPI cable
KT-MOD-OUT16	16-zone output module with 41 cm (16 in) SPI cable

Integration Modules:

KT-IT100	DSC PowerSeries Integration Kit: IT-100 integration module and CBLK-IT100 cable kit
CBLK-IT100	DSC PowerSeries Cable Kit: 3 m (10 ft) RS-232 connector cable set
KT-4401VK	DSC MAXSYS Integration Kit: integration module and 1.8 m (6 ft) RS-232 connector cable set
CBLK-4401VK	DSC MAXSYS Cable Kit: 1.8 m (6 ft) RS-232 connector cable set and EPROM set

Related Products



EntraPass
Security Management Software



Intevo
Integrated Security Platform



T.Rex
Request-To-Exit Detector

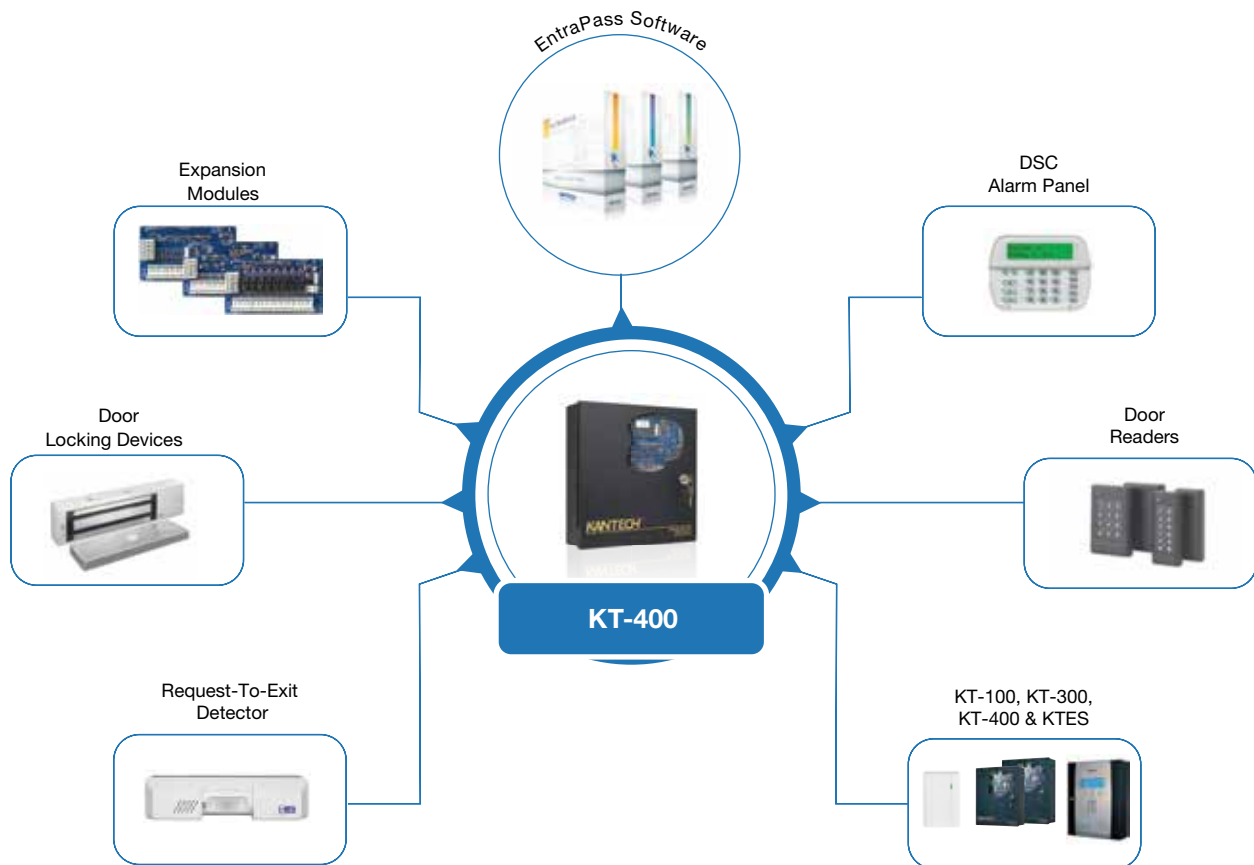


DSC
Alarm Panels

KT-400

Four-Door Controller

Accessories:	
KT-MOD-SPI-16	SPI cable 41 cm (16 in)
KT-MOD-SPI-36	SPI cable 92 cm (36 in)
KT-400-ACC	Accessory Kit: resistors (4x 1K Ω , 32x 5.6K Ω), ground wire, battery connector and screwdriver
KT-400-CAB	Black metal cabinet with lock and keys
KT-MOD-CAB	Cabinet for up to 6 expansion modules, including lock, keys and 92 cm (36 in) SPI cable
KT-TAMPER	Tamper switch
KT-LOCK	Cabinet lock and 2 keys
KT-400-CON	Removable terminal block
KT-ACPW-LED	AC power LED indicator
KT-3LED-PLATE	Alarm (3 LED) indicator



KT-300

Two-Door Controller



KT-300 can control two doors or can control both in and out access at a single door. Controllers can be linked to a network using Kantech IP Link, an RS-232 to TCP/IP interface. KT-300 supports RS-485 communications interface, allowing multiple controllers to be linked together to provide control for up to a million doors. Stand-alone mode protects against power or system failure. The system stores cardholder and event data which is automatically transferred to the EntraPass system when network connection is restored.

Features:

- Update firmware from system workstation
- Fast operation, up to 115,200 baud
- No DIP switches or jumpers to set
- Interfaces with an external alarm system
- Choice of 128K or 512K memory
- KT-300/128K: 8,000 cards and 5,000 stored events in stand-alone mode
- KT-300/512K: 56,000 cards and 18,000 stored events in stand-alone mode



“Flexible, scalable two-door controller”

Model Numbers:

KT-300/128K	KT-300 PCB (128K memory), accessory kit, metal cabinet with lock and keys
KT-300/512K	KT-300 PCB (512K memory), accessory kit, metal cabinet with lock and keys
KT-300PCB128	KT-300 PCB (128K memory), accessory kit
KT-300PCB512	KT-300 PCB (512K memory), accessory kit

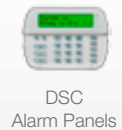
Expansion Modules:

KT-PC4108	8-zone programmable input expansion module
KT-PC4204	4-relay output and Combus power supply module
KT-PC4216	16-zone programmable output expansion module

Accessories:

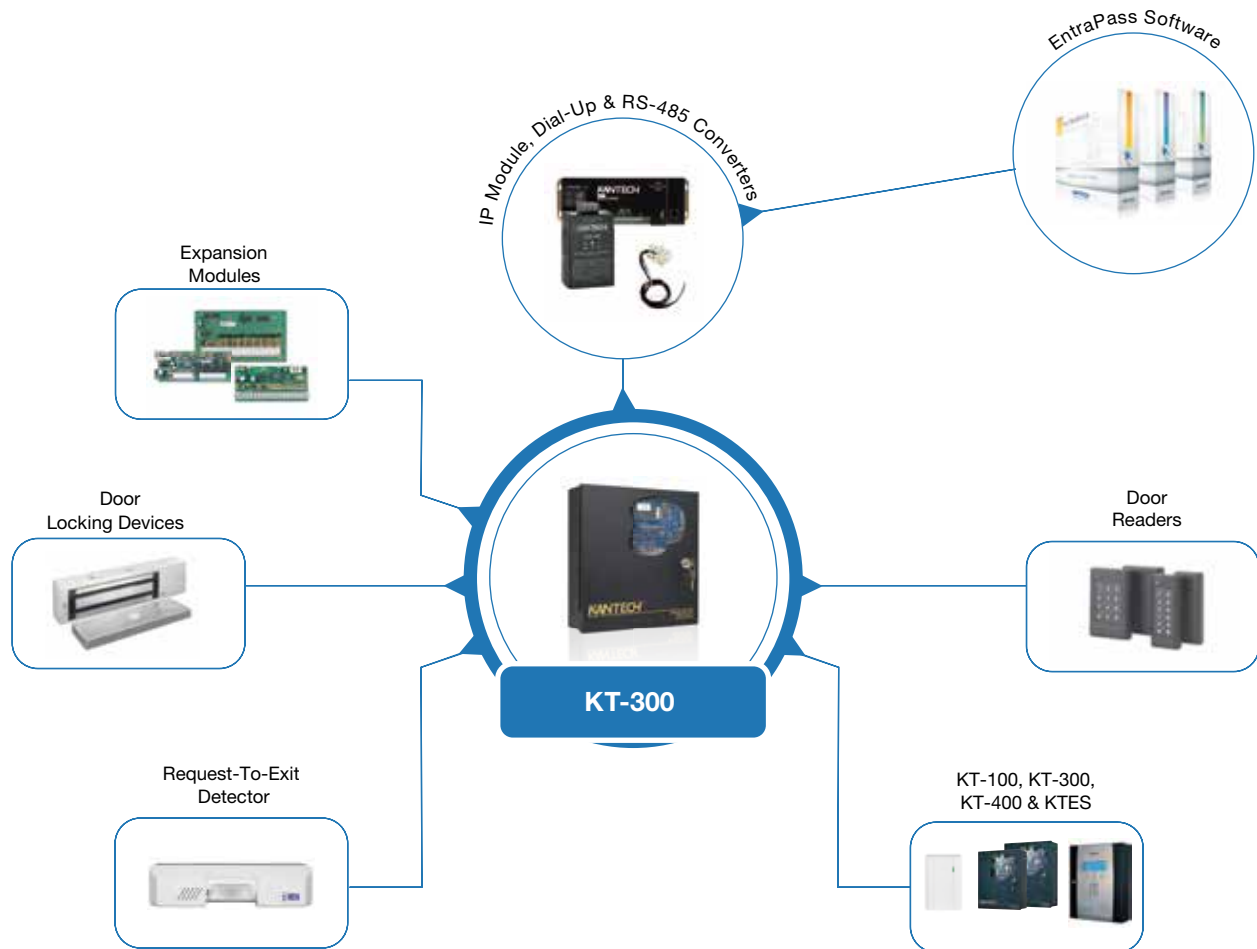
KT-300-ACC	Accessory Kit: resistors (2x 1K Ω , 10x 5.6K Ω , 2x 120 Ω EOL), ground wire, battery connector & screwdriver
KT-300CAB	Black metal cabinet with lock and keys
KT-4051CAB	Black metal cabinet - for KT-300 expansion modules
KT-LOCK	Cabinet lock and 2 keys
KT-TAMPER	Tamper switch
KT-300FLASH	Replacement firmware (flash memory chip)
KT-RM1	External single pole, double throw (SPDT) isolation relay
KT3-LCD	LCD time and date keypad

Related Products



KT-300

Two-Door Controller



KT-100

One-Door Controller



Compact and versatile with a space-saving design, the KT-100 incorporates all the components and equipment found in much larger controllers. Choose it for installations near a door, within a ceiling, involving turnstiles and parking gates. The KT-100 contains all the intelligence and necessary inputs/outputs to manage two readers on one door. Or link to other controllers (via RS-485 connection) to control thousands of doors. KT-100 features flash memory for easy firmware updates. The KT-100 can also interface with an external intrusion alarm system.

Features:

- Easy firmware updates
- Communication speed up to 115,200 baud
- Trouble supervision
- Fast and easy installation
- Interfaces with an external alarm system
- 6,144 cards and 4,000 stored events in stand-alone mode



“Compact and versatile single door controller”

Model Numbers:

KT-100	KT-100 Controller
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Accessories:

MUSB-1WHT	Surface mounting box (white)
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Related Products				
	EntraPass Security Management Software	ioProx Readers	KT-IP TCP/IP Interface	DSC Alarm Panels

KT-NCC

Kantech Network Communication Controller



The KT-NCC manages communication from the EntraPass Global Edition security management software to the door controllers. It also controls features/functions such as areas, alarm systems, global i/o, guard tours, and secondary access levels. It makes the access control system easier to manage, easier to expand, and much more reliable. The KT-NCC is in control instead of relying on a PC for controller-server communication.

Features:

- Panel architecture gives better reliability & requires less maintenance
- On-board TCP/IP
- Supports up to 128 door controllers
- Embedded redundancy
- Seven LED modes provide system status
- Flash memory allows firmware to be updated quickly and conveniently



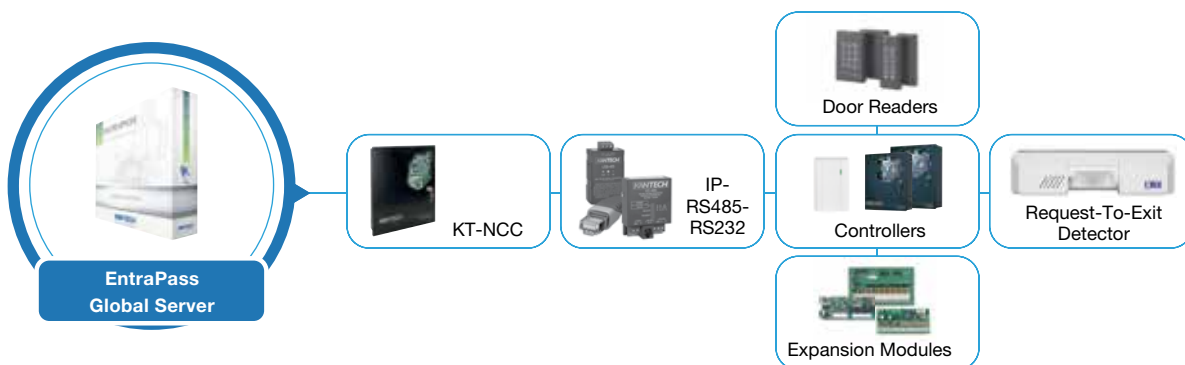
“Manages controllers for enterprise solutions”

Model Numbers:

KT-NCC	KT-NCC PCB, accessory kit, metal cabinet with lock, tamper switch
KT-NCC-PCB	KT-NCC PCB, accessory kit

Accessories:

KT-NCC-ACC	Accessory Kit: RS-232 to VC-485 flat cable with RJ-12 connectors and screwdriver
KT-NCC-CAB	Black metal cabinet with lock and keys
KT-TAMPER	Tamper switch
KT-LOCK	Cabinet lock and 2 keys



Related Products

<p>EntraPass Global Edition Security Management Software</p>	<p>ioProx Readers</p>	<p>T.Rex Request-To-Exit Detector</p>	<p>KT-400 Four-Door Controller</p>
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KT-400 Demo Kit

Four-Door Access Control Demo Kit



The access control demo kit contains everything needed to demonstrate the features and capabilities of an IP-based Kantech access control solution. Based around a KT-400 four-door controller, the kit also includes ioProx cards and readers, request-to-exit/door status input devices, as well as trigger and alarm indication devices. LEDs light up to indicate various access control events. EntraPass demo software is available for download from our website (Kantech.com) to improve the quality of the demonstration and training.

Features:

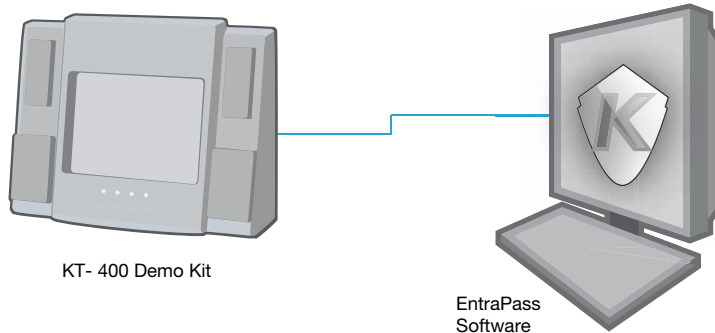
- Portable, easy to set-up
- Durable and attractive plastic enclosure
- Pays for itself in better sales and training
- IP or USB ready - plug and play



“Demonstrate a working door simulation”

Model Numbers:

DU4-120V-PLC	KT-400 Demo Kit with pelican case: KT-400 PCB, integrated ioProx Readers, USB-to-RS-485 Converter USB cable, 5x ioProx Keytags, 3x ioProx Cards, Transformer
DU4-120V	Same as DU4-120V-PLC except no pelican case



Related Products



SA-550

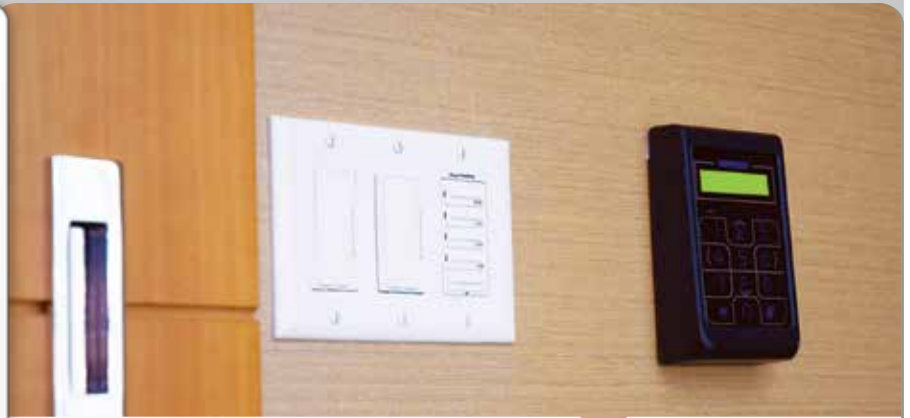
ioPass Stand-Alone Door Controller



Perfect for smaller applications such as convenience stores, storage rooms or parking lots, the SA-550 is a self-contained stand-alone controller with an integrated 26-bit Wiegand ioProx proximity card reader. It can store up to 1,000 users and is programmed directly from the keypad. All commands are displayed on the 16-character, 2-line LCD. It supports up to 8 different door configurations (door access schedules, unlock schedules, etc.). Door configuration data can be transferred to any number of SA-550 controllers via USB key.

Features:

- Simple and convenient
- Save up to 8 door configurations on a USB to load on other ioPass SA-550 units
- Use card, PIN or both
- Program controller from the keypad
- Integrates with an external ioProx reader
- Store up to 1,000 users
- Audit trail on last 3,500 transactions with time stamp



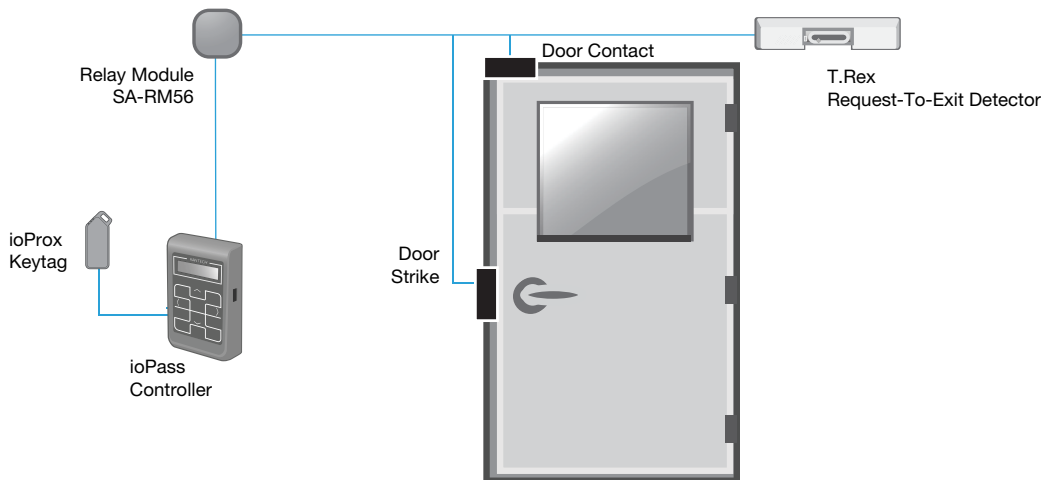
“Stand-alone proximity access control system”

Model Number:

SA-550	ioPass Controller, 10x ioProx Keytags, Relay Module
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Accessory:

SA-RM56	Replacement Relay Module
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Related Products

 ioProx Readers	 T.Rex Request-To-Exit Detector	 PB-EXIT Button	 Electric Door Strike
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Kantech's Access Control Kits include the essentials needed to get up and running quickly and easily. Available in different configurations depending on number of doors, the kits are an ideal way to experience the value that Kantech brings to an integrated security solution. Kantech's starter kits include the essential parts needed to create a complete (two or four-door) access control solution. These kits include everything from the powerful EntraPass security management software and KT-300 or KT-400 door controllers to the peripherals in between.

Features:

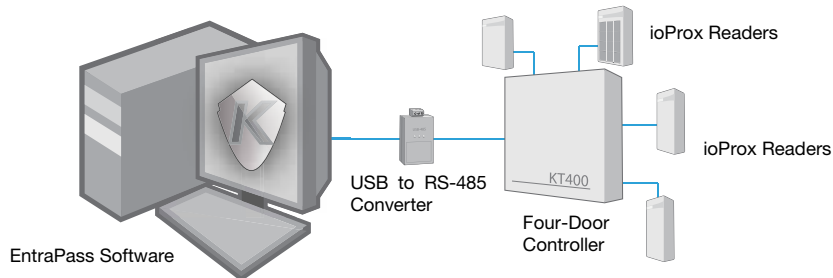
- Essentials for a new access control system
- Includes EntraPass security software
- Easy-to-install and easy-to-use
- Convenient and time saving



"Affordable, easy to implement access control"

Model Numbers:

SK-CE402	Four-Door Starter Kit: EntraPass Corporate Edition Software USB Key, KT-400 Controller, 3x P225XSF Readers, 1x P225KPXSF Reader, 5x ioProx Keytags, USB to RS-485 Converter, Transformer, Battery
SK-CE403	Four-Door Starter Kit: EntraPass Corporate Edition Software USB Key, KT-400 Controller, 3x P325XSF Readers, 1x P325KPXSF Reader, 5x ioProx Keytags, USB to RS-485 Converter, Transformer, Battery
SK-SE402	Four-Door Starter Kit: EntraPass Special Edition Software USB Key, KT-400 Controller, 3x P225XSF Readers, 1x P225KPXSF Reader, 5x ioProx Keytags, USB to RS-485 Converter, Transformer, Battery
SK-SE403	Four-Door Starter Kit: EntraPass Special Edition Software USB Key, KT-400 Controller, 3x P325XSF Readers, 1x P325KPXSF Reader, 5x ioProx Keytags, USB to RS-485 Converter, Transformer, Battery
SK-SE302	Two-Door Starter Kit: EntraPass Special Edition Software USB Key, KT-300 Controller, 2x P225XSF Readers, 5x ioProx Keytags, USB to RS-485 Converter, 2x Relays, Transformer, Battery



Note: SK-CE402 installation shown

Related Products

 <p>DK-1 Door Hardware Kit</p>	 <p>Illustra IP Cameras</p>	 <p>Intrusion Alarm Panel Integration Kits</p>	 <p>DSC Alarm Panels</p>
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Expansion

Access Control Kits



Our access control expansion kits make adding doors to your network easy. These kits come with a variety of options including door controllers, proximity readers and TCP/IP interfaces to suit your application needs. Other items and options from Kantech’s product line - including EntraPass software - may be added to complete and enhance the system. You can add as many doors as you need. See the chart below to choose the kit that’s right for you.

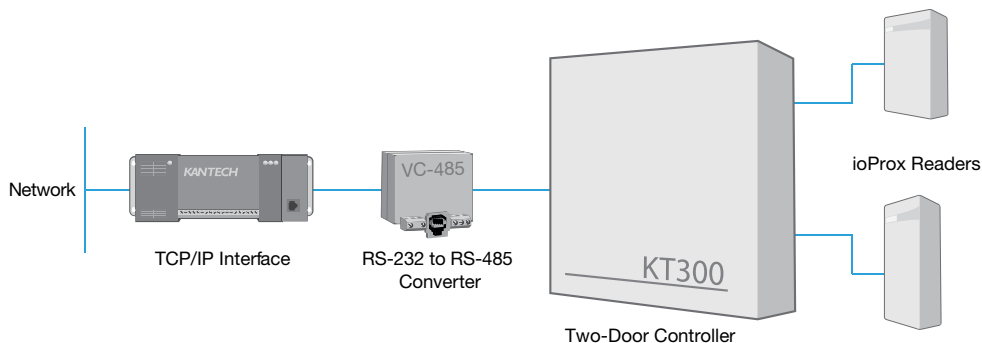
Features:

- Essentials to expand an existing access control system
- Integrates with EntraPass software
- Easy-to-install and easy-to-use
- Convenient and time saving



“Easily add doors to your network”

EK-400	Four-Door Expansion Kit: KT-400 Controller, Transformer, Battery
EK-402	Four-Door Expansion Kit: KT-400 Controller, 4x P225XSF Readers, Transformer, Battery
EK-403	Four-Door Expansion Kit: KT-400 Controller, 4x P325XSF Readers, Transformer, Battery
EK-302	Two-Door Expansion Kit: KT-300 Controller, 2x P225XSF Readers, 2x Relays, Transformer, Battery
EK-IP302	Two-Door Expansion Kit: KT-300 Controller, 2x P225XSF Readers, RS-232 to RS-485 Converter, 2x Relays, TCP/IP Interface, Transformer, Battery
EK-IP300	Two-Door Expansion Kit: KT-300 Controller, RS-232 to RS-485 Converter, 2x Relays, TCP/IP Interface, Transformer, Battery



Note: EK-IP302 installation shown

Related Products



Door Hardware

Access Control Kits



The Door Hardware Kit is the perfect way to complete your access control starter or expansion kit installation. This kit includes the essential door hardware accessories in one box including: T.Rex request-to-exit detector, door contact, electric door strike and 3 polished stainless steel door latch faceplates for aluminum and wood door frames.

Features:

- Essentials needed to complete an access control system
- Electric door strikes compatible with and powered by door controllers
- All-in-one solution
- Convenient and time saving

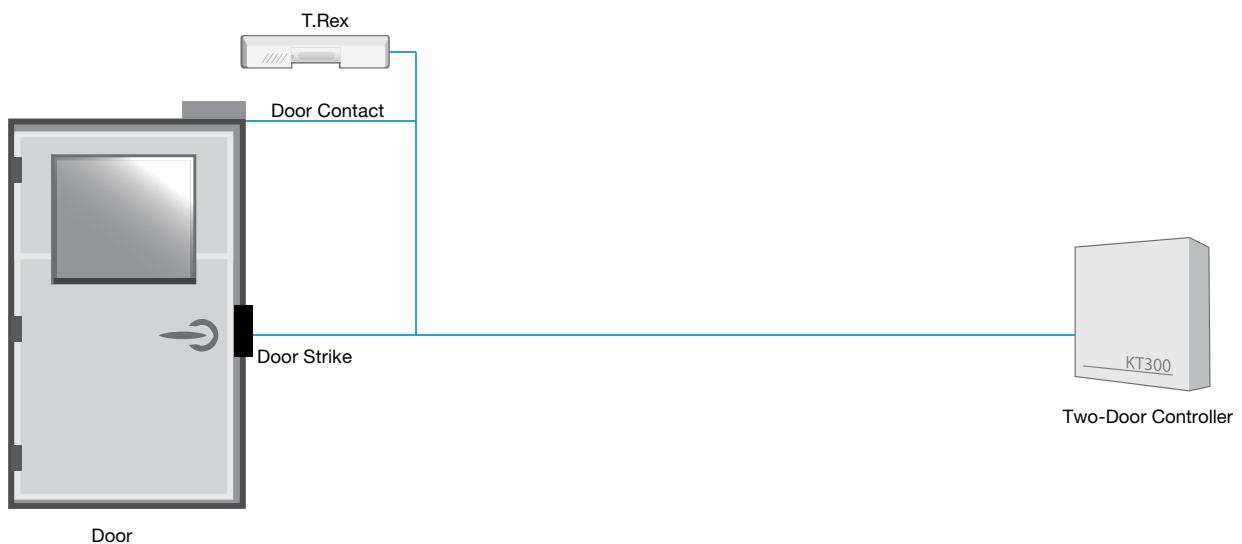


“Complete your access control installation”

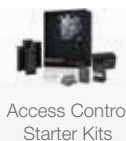
Model Number:

DK-1

Door Hardware Kit: T.Rex LT Request-To-Exit-Detector, GRI Magnetic Door Contact, RCI-41U59 Electric Door Strike, 3 Stainless Steel. Faceplates: 1 1/4 x 4 7/8 in. square corner, 1 1/4 x 4 7/8 in. round corner, 1 7/16 x 7 15/16 in. square corner



Related Products



Multi-Door Controller

Access Control Kits



Multi-Door Controller Kits provide all the necessary hardware components in one box to complete or extend an access control system. From powerful KT-300PCB controllers to readers and keytags, our kits have you covered. These kits are ideal for large applications where space, time, and budget are important considerations. Rather than having to install separate enclosures for each controller, the kits enable you to mount multiple controllers inside a single enclosure. Multi-Door Expansion Kits are also available to expand the system in 4-door increments.

Features:

- Controls up to 8 or 12 doors from one enclosure (depending on model size enclosure)
- Cost-effectively consolidate multiple controllers in a single enclosure
- Integrates with EntraPass software
- Expand system in 4-door increments using the Multi-Door Expansion Kit
- Convenient, time and space saving



“Kits that save space, time and money”

Model Numbers:

* EK-4RDR-8	Multi-Door Controller Kit: 28 inch enclosure with door cover, 2x KT-300PCB128 (PCB) controllers, 4x P225XSF Readers, 25x ioProx Keytags. Fits up to 4 KT-300 PCB controllers.
* EK-4D-8	Multi-Door Controller Kit: 28 inch enclosure with door cover, 2x KT-300PCB128 (PCB) controllers. Fits up to 4 KT-300 PCB controllers.
* EK-4RDR-12	Multi-Door Controller Kit: 42 inch enclosure with door cover, 2x KT-300PCB128 (PCB) controllers, 4x P225XSF Readers, 25x ioProx Keytags. Fits up to 6 KT-300 PCB controllers.
* EK-4D-12	Multi-Door Controller Kit: 42 inch enclosure with door cover, 2x KT-300PCB128 (PCB) controllers. Fits up to 6 KT-300 PCB controllers.
* EK-4RDR-ADD	Multi-Door Expansion Kit: 2x KT-300PCB128 (PCB) controllers, 4x P225XSF Readers
* EK-4D-ADD	Multi-Door Expansion Kit: 2x KT-300PCB128 (PCB) controllers

Accessories:

KT-CAB3000LDR	28-inch enclosure with door cover, fits up to 4x KT-300 PCB controllers or 3x KT-400 PCB controllers
KT-CAB4000LDR	42-inch enclosure with door cover, fits up to 6x KT-300 PCB controllers or 4x KT-400 PCB controllers
** KT-MP200	4 mounting plates (15.25 x 10 cm or 6 x 4 in): KT-PC4108, KT-PC4216 &/or all KT-400 expansion modules
** KT-MP300	2 mounting plates (15.25 x 20 cm or 6 x 8 in) for KT-300 PCB and/or KT-PC4204 expansion module
** KT-MP400	1 Mounting plate (15.5 x 30 cm or 6 x 11 3/4 in) for KT-400-PCB and/or KT-NCC-PCB
** KT-MP500	1 Mounting plate (35 x 35 cm or 13 3/4 x 13 3/4 in) for KT-400-PCB and/or KT-NCC-PCB
KT-BB100 (Right) KT-BB101 (Left)	Battery bracket - 1 right hand side or 1 left hand side

* Kits include: 2x KT-300 Accessory Kits, 4x KT-RM1 Relays, 2x Battery Brackets, 2x KT-MP300 Mounting Plates, Cabinet Lock/Keys, Tamper Switch, 2x Transformers, 2x Battery

** All mounting plate accessories fit both 28 inch and 42 inch enclosures

Related Products



EntraPass
Security Management Software



Intevo
Integrated Security Platform



ioProx
Readers



T.Rex
Request-To-Exit Detector



Apartment, condominium and office buildings are just a few of the applications where security and communications are required for controlling resident and visitor traffic. The Kantech Telephone Entry System (KTES) delivers a fully integrated telephone entry and access control solution. The KTES provides visitor/resident entry, tracking and reporting. It uses a touch-tone phone style keypad that offers both familiarity and ease of use. Two-way audio is built-in. Video verification can be integrated to enhance the solution.

Features:

- Stand-alone or integrates with an access control system
- Electronic directory - up to 3,000 tenants
- Four-line, 20-character high contrast LCD
- Easily programmable from the keypad
- Vandal and weather-resistant housing
- "No phone bill system kits" also available



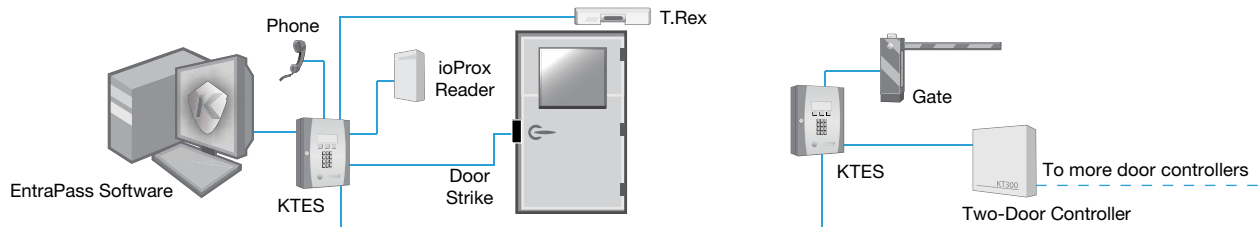
"Resident and visitor entry system"

Model Numbers:


KTES-US, KTES-CDN	Kantech Telephone Entry System: 250 tenant capacity, EntraPass software, Postal Lock, Accessory Kit and Transformer. "No phone bill system kits" also available. See data sheet for details
E-KTES-3000	License option to increase capacity to 3,000 tenants

Accessories:


KTES-FBOX	Flush mount enclosure with black trim ring
KTES-HEAT	Cold weather heater kit (for temperatures below 0°C/32°F)
KTES-CAM-N	Covert color (NTSC standard) camera
KTES-INDEX-F	LED illuminated directory index paper
KTES-INDEX-R	Trim ring for directory index paper
KTES-MPLATE	Mounting plate for goose-neck installation
DU-MODEM-HOS	Host computer dial-up modem




Related Products




EntraPass
Security Management Software



KT-400
Four-Door Controller



T.Rex
Request-To-Exit Detector



ioProx
Readers

ioProx

Proximity Readers



ioProx readers easily meet the demands of any application. They are a secure and easy-to-install solution to manage and control access all the while ensuring the safety of people and property. Attractive, compact, weatherized, and vandal-resistant, they are suitable for installation in a variety of environments. Compatible with ioProx 125 kHz proximity cards, these readers seamlessly integrate with access control systems including Kantech door controllers, Kantech Telephone Entry System (KTES) and EntraPass software.

Features:

- Compatible with dual-encoded ioProx 26-bit Wiegand and Kantech Extended Secure Format (XSF) proximity cards
- Digital Signal Processing (DSP) ensures quick and reliable card reading
- Weatherproof, vandal-resistant design for indoor and outdoor applications
- Two-factor verification (card plus PIN) reader models available
- Bicolor LED and piezoelectric buzzer



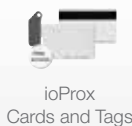
“Robust and affordable card access solution”

Common Reader Specifications:
Compatible Card Formats: XSF and 26-bit Wiegand
Bicolor (Red, Green) LED

Integrated Piezoelectric Buzzer
Operating Temperature Range: -35° to 65°C (-30° to 150° F)
Color: Black

Model Number/Description	Dimensions (h x w x d)	Read Range	Power Supply	Maximum Cable Distance
P225XSF, P225W26 Mullion Mount	11.4 x 4.4 x 2.1 cm (4.5 x 1.75 x 0.84 in)	Up to 16.5 cm (6.5 in)	4.5 to 14 VDC, max. 45 mA	137 m (450 ft) @ 5 VDC 300 m (1000 ft) @ 12 VDC
P225KPXSF, P225KPW26 Mullion Mount with Keypad	11.4 x 4.4 x 2.1 cm (4.5 x 1.75 x 0.84 in)	Up to 16.5 cm (6.5 in)	4.5 to 14 VDC, max. 45 mA	137 m (450 ft) @ 5 VDC 300 m (1000 ft) @ 12 VDC
P325XSF, P325W26 Single Gang Mount	11.5 x 7.1 x 2.1 cm (4.6 x 2.8 x 0.84 in)	Up to 20.5 cm (8 in)	4.5 to 14 VDC, max. 45 mA	150 m (500 ft) @ 5 VDC 300 m (1000 ft) @ 12 VDC
P325KPXSF, P325KPW26 Single Gang Mount & Keypad	11.5 x 7.1 x 2.1 cm (4.6 x 2.8 x 0.84 in)	Up to 20.5 cm (8 in)	4.5 to 14 VDC, max. 45 mA	150 m (500 ft) @ 5 VDC 300 m (1000 ft) @ 12 VDC
P600 Long Range Reader	28.5 x 28.5 x 3.2 cm (11.25 x 11.25 x 1.25 in)	Up to 73 cm (29 in)	12 to 28 VDC, max. 1.5 A	137 m (450 ft) @ 5 VDC 300 m (1000 ft) @ 12 VDC

Related Products





ioProx cards and tags feature proven, reliable technology that seamlessly integrates with ioProx readers. Cards are available in a variety of shapes/materials and can be attached to a key ring, badge clip or lanyard. Disk shaped prox tags are also available and can be attached to any non-metallic surface. ioProx cards are dual encoded with both 26-bit Wiegand and Kantech Extended Secure Format (XSF) and are compatible with ioProx readers.

Features:

- Dual encoded with 26-bit Wiegand and Kantech Extended Secure Format (XSF)
- High security XSF offers over 4 billion unique code combinations
- Dye sublimation (photo ID) printable cards also available
- Keytag is resistant to cracking/breaking
- Attach the adhesive-backed tag to any non-metallic card or device to create a proximity card



“Seamlessly integrates with ioProx readers”

Model Number	Description	Dimensions (h x w x t)	Printable	Slot Punch
P10SHL	Clamshell Card	8.5 x 5.4 x 0.1 cm (3.4 x 2.1 x 0.07 in)	No	Vertical
P20DYE	ISO-Thin Card	8.5 x 5.4 x 0.07 cm (3.4 x 2.1 x 0.03 in)	Both Sides	Vertical or Horizontal
P30DMG	ISO-Thin Card with Unencoded Magnetic Stripe	8.5 x 5.4 x 0.07 cm (3.4 x 2.1 x 0.03 in)	Both Sides	Vertical or Horizontal
P40KEY	Key Tag	5.0 x 2.0 x 0.5 cm (1.9 x 0.9 x 0.55 in)	No	Key Ring Hole
P50TAG	Self-Adhesive Round Tag	2.5 cm diameter (1 in. diameter)	No	No

Related Products



ioProx Readers



Badge Printers



EntraPass Security Management Software



KT-400 Four-Door Controller

Multi-Technology

Proximity/Smart Card Readers



Kantech multi-technology readers offer a flexible approach for supporting a range of proximity and smart card technologies on the same access control system. It's an ideal solution for transitioning to secure smart cards over time. These multi-frequency, multi-modulation and multi-protocol readers are also suitable for a mixed environment where smart and proximity cards are in use at the same building. This is a future-proof solution whereby firmware updates will ensure that today's reader is ready for tomorrow's card technologies.

Features:

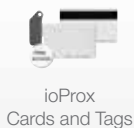
- Reads more than 12 different types of proximity card/smart card formats
- Secure card data transmission
- Future-proof solution
- Optional keypad for two-factor verification



“Mix and match multiple card technologies”

Model Number/Description	Dimensions (h x w x d)	Read Range/ Linear Power Supply	Compatible Card Formats
P345MTR Single Gang Mount (Black)	11.1 x 8.4 x 2.8 cm (4.4 x 3.3 x 1.1 in)	Up to 10.2 cm (4 in) 9.6 to 16 VDC	Kantech ioProx KSF proximity HID KSF Proximity HID 26 bit Wiegand HID 36/37 bit Wiegand HID Corporate 1000 Deister proximity MIFARE serial number MIFARE sectors DESFire serial number ISO 14443A, 14443B, and 15693 serial number iCLASS® serial number CASI-RUSCO® Prox Lite
P345KPMTR Single Gang Mount with Keypad (Black)	11.1 x 8.4 x 2.8 cm (4.4 x 3.3 x 1.1 in)	Up to 10.2 cm (4 in) 9.6 to 16 VDC	

Related Products





HID readers are compatible with HID 26-bit Wiegand and HID Kantech Secure Format (KSF) credentials. The readers are available in different shapes, sizes and read ranges. Kantech also offers multiCLASS card readers that are designed for customers upgrading their current card system from 125 kHz proximity technologies to iCLASS 13.56 MHz contactless smart card credentials. The customer has the ability to transition to smart cards over time while incorporating the use of multiple card technologies within a single building or across multiple facilities.

Features:

- Compatible with Kantech Secure Format (KSF) and HID proximity cards
- Two-factor verification (card plus PIN) reader models available
- Weatherproof, secure enclosure suitable for indoor or outdoor use
- Multicolor LED and beeper
- Migrate to iCLASS credentials using HID multiCLASS readers



“Access intelligence with HID readers”

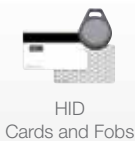
Common Reader Specifications:
Multicolor LED
Integrated Beeper

Operating Temperature Range: -30° to 65° C (-22° to 150°F)
Maximum Cable Distance to Host: 150 m (500 ft)

Model Number/Description	Dimensions (h x w x d)	Read Range/Linear Power Supply	Compatible Card Formats
HID-PP6005B Mini Mullion Mount (Gray)	8.0 x 4.4 x 1.7 cm (3.1 x 1.7 x 0.7 in)	Up to 7.5 cm (3 in) 5-16 VDC	Proximity KSF/HID
HID-MP5365 Mullion Mount (Gray)	15.2 x 4.3 x 2.54 cm (6.0 x 1.7 x 1.0 in)	Up to 14 cm (5.5 in) 5-16 VDC	Proximity KSF/HID
HID-PR5355 Wall Mount (Gray)	12.7 x 12.7 x 2.54 cm (5.0 x 5.0 x 1.0 in)	Up to 20 cm (8 in) 10-28.5 VDC	Proximity KSF/HID
HID-PR5355KP Wall Mount with Keypad (Gray)	12.7 x 12.7 x 2.54 cm (5.0 x 5.0 x 1.0 in)	Up to 20 cm (8 in) 10-28.5 VDC	Proximity KSF/HID
*HID-TL5395BE/BL/WH Single Gang Box Mount	11.9 x 7.6 x 1.7 cm (4.7 x 3.0 x 0.7 in)	Up to 14 cm (5.5 in) 5-16 VDC	Proximity KSF/HID
HID-MX5375 Long Range Reader (Gray)	30.5 x 30.5 x 2.54 cm (12.0 x 12.0 x 1.0 in)	Up to 61 cm (24 in) 12/24 VDC	Proximity KSF/HID
HID-RP40-SE Single Gang Box Mount (Black)	12.2 x 8.4 x 2.4 cm (4.8 x 3.3 x .95 in)	Up to 11 cm (4.25 in) 5-16 VDC	Proximity KSF/HID and Smart Cards
HID-RPK40-SE Single Gang Mount with Keypad (Black)	12.2 x 8.4 x 2.7 cm (4.8 x 3.3 x 1.1 in)	Up to 10 cm (4 in) 5-16 VDC	Proximity KSF/HID and Smart Cards

* Model numbers vary by color. HID-TL5395BE (Beige), HID-TL5395BL (Black), HID-TL5395WH (White)

Related Products



HID

Proximity Cards and Fobs



HID proximity cards and fobs are available in a wide variety of styles suitable for every application. They are compatible with all HID readers and available with either HID 26-bit Wiegand or Kantech Secure Format (KSF).

Features:

- Available with either HID 26-bit Wiegand or Kantech Secure Format (KSF)
- KSF offers 16.7 million unique code combinations
- Dye sublimation (photo ID) printable cards also available
- Keyfob easily attaches to a key ring, badge clip or lanyard



“Inherent security and flexible design”

Model Number	Description	Dimensions (h x w x t)	Printable	Slot Punch
Kantech Secure Format (KSF) Card Format				
HID-C1326KSF	Clamshell Card	8.6 x 5.4 x 0.19 cm (3.4 x 2.1 x 0.075 in)	With PVC overlay	Vertical
* HID-C1336KSF	ISO-Thin Card with Magnetic Stripe	8.6 x 5.4 x 0.076 cm (3.4 x 2.1 x 0.030 in)	Front Side	Vertical or Horizontal
HID-C1346KSF	Keyfob	3.95 x 3.2 x 0.60 cm (1.55 x 1.25 x 0.235 in)	No	Key Ring Hole
HID-C1386KSF	ISO-Thin Card	8.6 x 5.4 x 0.076 cm (3.4 x 2.1 x 0.030 in)	Front Side	Vertical or Horizontal
HID-C1386K/G	ISO-Thin Card	8.6 x 5.4 x 0.076 cm (3.4 x 2.1 x 0.030 in)	Both Sides	Vertical or Horizontal
26-bit Wiegand Card Format				
HID-C1326	Clamshell Card	8.6 x 5.4 x 0.19 cm (3.4 x 2.1 x 0.075 in)	With PVC overlay	Vertical
* HID-C1336/GG	ISO-Thin Card with Magnetic Stripe	8.6 x 5.4 x 0.076 cm (3.4 x 2.1 x 0.030 in)	Both Sides	Vertical or Horizontal
HID-C1346	Keyfob	3.95 x 3.2 x 0.60 cm (1.55 x 1.25 x 0.235 in)	No	Key Ring Hole
HID-C1351	(Vehicle) Active Tag	9.3 x 6.8 x 0.76 cm (3.6 x 2.7 x 0.30 in)	No	No
HID-C1386	ISO-Thin Card	8.6 x 5.4 x 0.076 cm (3.4 x 2.1 x 0.030 in)	Front Side	Vertical or Horizontal
HID-C1386/GG	ISO-Thin Card	8.6 x 5.4 x 0.076 cm (3.4 x 2.1 x 0.030 in)	Both Sides	Vertical or Horizontal

* Magnetic stripe is not encoded

Related Products



HID Readers



Badge Printers



EntraPass Security Management Software



EK-400 Access Control Expansion Kit



ShadowProx readers deliver outstanding and consistent performance with intelligent programming technology and design. The ShadowProx portfolio includes mullion/slim, wall switch, mid-range, long range and heavy-duty keypad readers. multiCLASS card readers are also available. Designed for customers upgrading their access control system from 125 kHz proximity technologies to iCLASS 13.56 MHz contactless smart card credentials. multiCLASS readers permit the use of multiple card technologies across single/multiple facilities.

Features:

- Compatible with ShadowProx KSF (Kantech Secure Format) proximity cards
- Some models have two-factor verification (PIN plus card)
- Weatherproof, secure enclosure suitable for indoor or outdoor use
- Stylish arch bezel designs
- Migrate to iCLASS credentials using ShadowProx multiCLASS readers



“Outstanding and consistent card reading”

Common Reader Specifications:
Multicolor LED, Integrated Beeper, Temperature Range -35° to 65°C (-30° to 150°F), Maximum Cable Distance 150 m (500 ft)

Model Number/Description	Dimensions (h x w x d)	Read Range/Power Supply	Compatible Card Formats
SH-Y1BEI/SH-Y1BLK Mullion Mount	11.4 x 4.3 x 2.0 cm (4.5 x 1.7 x 0.8 in)	Up to 12.7 cm (5 in) 4 - 16 VDC	Proximity ShadowProx KSF
SH-Y2BEI Single Gang Box Mount	11.4 x 7.6 x 2.0 cm (4.5 x 3 x 0.8 in)	Up to 12.7 cm (5 in) 4 - 16 VDC	Proximity ShadowProx KSF
SH-Y2BLK Single Gang Box Mount	11.4 x 7.6 x 2.0 cm (4.5 x 3 x 0.8 in)	Up to 12.7 cm (5 in) 4 - 16 VDC	Proximity ShadowProx KSF
SH-Y4BLK Single/Double Gang Mount	13.0 x 15.5 x 2.8 cm (5.1 x 6.1 x 1.1 in)	Up to 30 cm (12 in) 4 - 14 VDC	Proximity ShadowProx KSF
SH-2KP Single Gang Mount With Keypad	11.6 x 7.6 x 1.7 cm (4.5 x 3 x 0.7 in)	Up to 10 cm (4 in) 4 - 16 VDC	Proximity ShadowProx KSF
SH-2KPBLK Single Gang Mount With Keypad	11.6 x 7.6 x 1.7 cm (4.5 x 3 x 0.7 in)	Up to 10 cm (4 in) 4 - 16 VDC	Proximity ShadowProx KSF
SH-X5 Long Range Reader	28.4 x 28.4 x 4.6 cm (11.2 x 11.2 x 1.8 in)	Up to 61 cm (24 in) 12/24 VDC	Proximity ShadowProx KSF
SH-RP40 Single Gang Box Mount	12.2 x 8.4 x 2.4 cm (4.8 x 3.3 x .95 in)	Up to 11 cm (4.25 in) 5 - 16 VDC Linear	Proximity ShadowProx KSF and Smart Cards
SH-RPK40 Single Gang Mount with Keypad	12.2 x 8.4 x 2.7 cm (4.8 x 3.3 x 1.05 in)	Up to 10 cm (4 in) 5 - 16 VDC Linear	Proximity ShadowProx KSF and Smart Cards

Note: All readers available in black except SH-Y1BEI, SH-Y2BEI and SH-2KP which are beige

Related Products



ShadowProx

Proximity Cards and Keytags



ShadowProx proximity credentials are available in a wide variety of styles suitable for every application. All ShadowProx credentials are encoded with ShadowProx KSF (Kantech Secure Format) and are compatible with all ShadowProx readers.

Features:

- Encoded with ShadowProx KSF (Kantech Secure Format) which offers 16.7 million unique code combinations
- Dye sublimation (photo ID) printable cards also available
- Keytag easily attaches to a key ring, badge clip or lanyard



“Advanced authentication solution”

Model Number	Description	Dimensions (h x w x t)	Printable	Slot Punch
SH-C1	Clamshell Card	8.6 x 5.4 x 0.18 cm (3.4 x 2.1 x 0.065 in)	No	Vertical
SH-CMG3/GG	ISO-Thin Card	8.6 x 5.4 x 0.076 cm (3.4 x 2.1 x 0.03 in)	Both Sides	Vertical or Horizontal
SH-CMG4/GG	ISO-Thin Card With Unencoded Magnetic Stripe	8.6 x 5.4 x 0.076 cm (3.4 x 2.1 x 0.03 in)	Both Sides	Vertical or Horizontal
SH-K1	Keytag	4.4 x 3.0 x 0.55 cm (1.7 x 1.2 x 0.21 in)	No	Key Ring Hole

Related Products



ShadowProx Readers



Badge Printers



EntraPass Security Management Software



EK-400 Access Control Expansion Kit



The ioProx Transmitter is ideal for long-range (up to 45 m/150 ft) applications such as opening parking gates. The transmitter is available with an optional integrated ioProx tag, which can be read by an ioProx card reader, making it an ideal solution to access both a parking facility and an office building without searching for multiple access cards. The ioProx transmitter uses radio-frequency (RF) technology secured with encrypted coding. The ioProx Receiver is field selectable for either 26-bit Wiegand format or for Kantech Extended Secure Format (XSF).

Features:

- Four-channel receiver can be matched to a button on the transmitter
- Long read range - up to 45 m (150 ft)
- Encrypted code ensures high level of security
- Two or four-button transmitter with optional integrated ioProx tag
- Indoor/outdoor use



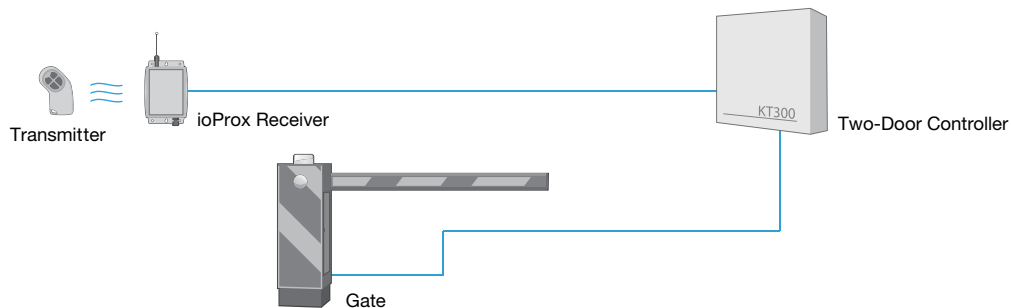
“Long-range secure transmission”

Model Numbers:

P700WLS	Four-channel receiver, standard whip antenna
P72WLS	Two-button transmitter
P72WLS-TAG	Two-button transmitter, integrated ioProx tag
P74WLS	Four-button transmitter
P74WLS-TAG	Four-button transmitter, integrated ioProx tag

Accessories:

P-WLS-A1	Standard whip antenna
P-WLS-A2	Dipole antenna



Related Products



ioProx Readers



EntraPass Security Management Software



KT-400 Four-Door Controller



T-Rex Request-To-Exit Detector

Polaris

Magnetic Stripe Readers and Cards



Polaris magnetic stripe readers and cards combine quality, reliability and installation flexibility. Rugged and affordable, the readers mount on a wall or door mullion. A simple motion through the card slot (in either direction) reads a card. A bi-color LED flashes to confirm that a card has been read. The LED changes color when the door unlocks. Polaris integrates with an access control system using either 26-bit/34-bit/ABA) Wiegand or ABA-Clock-and-Data input. Integrated keypad model available for dual authentication.

Features:

- Weatherproof reader for indoors/outdoors
- Long life read head - 1,000,000 swipes
- Fast bi-directional card reading
- High coercivity magnetic stripe card
- Card lasts for over 25,000 swipes
- All cards are pre-programmed



“Cost-effective and easy-to-use”

Model Numbers:

POL-2	Magnetic stripe reader
POL-25M	Magnetic stripe reader with 5 m (16 ft) cable
POL-2KP	Magnetic stripe reader with integrated keypad
POL-2KP-5M	Magnetic stripe reader with integrated keypad and 5 m (16 ft) cable
POL-2ATM	ATM card reader kit: POL-2 reader and programmable timer
POL-C1CN	Magnetic stripe card, pre-printed bar code
POL-C5CN	Magnetic stripe card, pre-printed bar code, glossy front for dye-sublimation printing
POL-C6CN	Magnetic stripe card, glossy front for dye-sublimation printing

Related Products



T.Rex
Request-To-Exit Detector



Badge
Printers



KT-100
One-Door Controller



EntraPass
Security Management Software



4G V-Flex

4G V-Flex Lite

Bioscrypt fingerprint readers protect and secure identities and assets by helping customers address demanding access control and identity authentication requirements with innovative and reliable systems. Available in two compact, powerful and flexible models, the 4G V-Flex and 4G V-Flex Lite are ideal for small and large applications. Bioscrypt readers feature powerful on-board processing for rapid and accurate authentication. Some models feature an integrated ioProx proximity reader for two-factor authentication.

Features:

- Mullion or single gang mount
- Flexible authentication: biometric or biometric plus proximity card
- Fast fingerprint enrolment
- Large template storage capacity
- IP connectivity

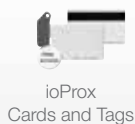


“As simple as the touch of a finger”

Model Number	Proximity Card Reader/Output Format	Internal Template Capacity	Dimensions (h x w x d)
KT-4GFXS (4G V-Flex)	Optional External Proximity Reader 26-bit Wiegand	1:N - 10,000 1:1 - 500,000	15.9 x 9.6 x 6.5 cm (6.3 x 3.8 x 2.6 in)
KT-4GFXS-IO-XSF (4G V-Flex)	Integrated ioProx Proximity Reader Kantech XSF		
KT-4GFXS-IO-W26 (4G V-Flex)	Integrated ioProx Proximity Reader 26-bit Wiegand		
KT-4GFXSP (4G V-Flex)	Integrated ioProx Proximity Reader 26-bit Wiegand	1:N - 5,000 1:1 - 25,000	17.2 x 5.2 x 5.1 cm (6.7 x 2 x 2 in)
KT-4GFXLS (4G V-Flex Lite)	Optional External Proximity Reader 26-bit Wiegand		
KT-4GFXLSP (4G V-Flex Lite)	Integrated ioProx Proximity Reader 26-bit Wiegand		

Note: 1:N (Identification): Only a biometric (fingerprint) is used, no card or PIN. A new fingerprint sample is taken from the user and compared to a database of existing registered or stored users. When a match is found, the user is "identified". 1:1 (Verification): Uses both a card and a fingerprint. The user pre-identifies themselves with a card credential. A new fingerprint sample is taken from the user and is then compared to the credential holder's previously registered fingerprint. If the fingerprint matches, the user is "verified".

Related Products



HandKey

Hand Recognition Readers



HandKey readers are ideal for applications where consistent and dependable security is important. They use hand geometry to verify the identity of the user and enhance security at any door. Adding and deleting users is easy and the system can be expanded to support more users as needs grow. The hand reader can be integrated with an external proximity card reader for dual authentication and can connect to an access control system. Base memory for 512 users stored on the unit - field upgradeable for up to 32,512 users.

Features:

- Reliable field proven technology
- Fast enrolment time (less than 15 seconds)
- High read success in difficult environments (e.g. dirt, cuts and abrasions on the hand)
- Optional memory expansion license available for up to 32,512 users



“The no-compromise security solution is at hand”

Model Numbers:

HK-CR	Hand recognition reader (512 user base memory) designed to connect to access control system
HK-2	Hand recognition reader (512 user base memory): stand-alone or connect to access control system

Accessories:

BB-200	Operational battery backup with power management board
EM-801-F3	Memory expansion license for up to 9,728 users (made in 2004 and later)
EM-803-F3	Memory expansion license for up to 32,512 users (made in 2004 and later)
HK-EN200	Internal Ethernet communications module for TCP/IP communications
HK-HN-2-T1	Handnet software for managing 5 HandKey units
PS-110	Power Supply, 120 VAC to 13.5 VDC with connector
DC-102	Data converter for 4 wire system, RS-232 to RS-422
DC-104	Data converter for 2 & 4 wire system, RS-232 to RS-422/RS-485

Related Products



ioProx
Cards and Tags



Electromagnetic
Lock



KT-400
Four-Door Controller



T.Rex
Request-To-Exit Detector



BC-301 Bar Code Reader

It is easy to create quality access control systems that benefit from the simplicity and cost savings of bar code technology. The Bar Code Reader decodes all common and many uncommon bar code formats. It is auto-discriminating and reads in both directions. The black surface mount reader has a tough carbon-filled polycarbonate shell. It is sealed against moisture, with all electronics completely encased in epoxy and rated for indoor/outdoor use from -30° to 70°C (-20° to 150°F). It outputs in 26-bit Wiegand format and connects to most access control systems with an industry standard five-wire interface.



ES-KTP/103SN Heavy Duty Keypad Reader

This virtually indestructible stainless steel keypad reader is designed to integrate into any access control system, using 26-bit Wiegand format. Solid state, piezoelectric switch technology assures superior performance in even the most extreme environment. The 3 x 4 style keypad features laser etched numbers for years of use. With overall dimensions of 13 cm h x 8.6 cm w x 1.1 cm d (5 1/8 x 3 3/8 x 7/16 in), it can be mounted to a single gang box or surface mount. Field selectable 5 V or 12 V input voltage.



KP-2500 Heavy Duty Keypad Reader

This virtually indestructible stainless steel keypad reader is designed to integrate with Kantech KT-200 controllers, using BCD format. Solid state, piezoelectric switch technology assures superior performance in even the most extreme environment. The 3 x 4 style keypad features laser etched numbers for years of use. With overall dimensions of 13 cm h x 8.6 cm w x 1.1 cm d (5 1/8 x 3 3/8 x 7/16 in), it can be mounted to a single gang box or surface mount. Field selectable 5 V or 12 V input voltage.

Card Printing Solutions

Badge Printers and Accessories

**DTC4000** Single/Dual-Sided Card Printer

Combining versatility with simplicity to easily print what you need. It is ideal for flexible, easy/reliable color printing and encoding. A graphical display with easy-to-follow prompts ensures you'll always know printer status. Inline card printing and card encoding is accomplished using USB or optional Ethernet connectivity. It also scales to meet future requirements with optional field-upgradeable modules such as a magnetic strip encoder.

**DTC4500** Dual-Sided Card/Bar Code Printer

Powered by a robust and highly-reliable print engine, this versatile high-volume printer delivers speed, power and versatility rolled into one. High-capacity ribbons enable it to print twice as many full-color cards as most printers. Easy integration into existing IT infrastructure through the built-in Ethernet and USB connection allows for centralized or remote ID card issuance.

**HDP5000** Dual-Sided Card Printer

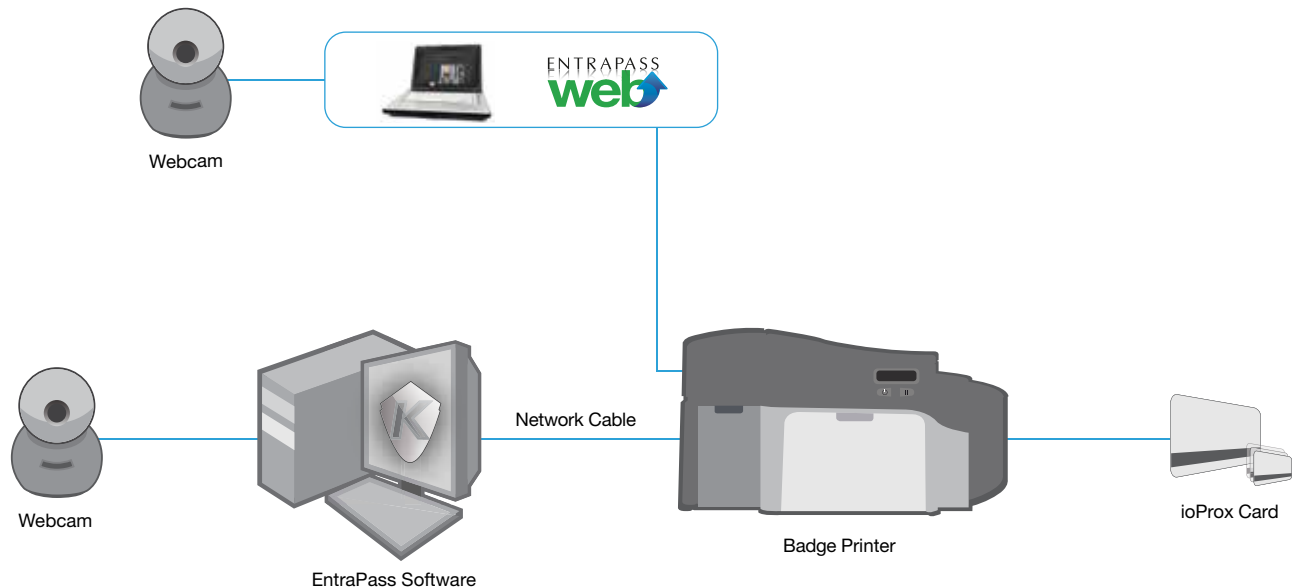
Our most versatile, easy-to-use and affordable printer delivers superior print quality. High reliability and durability lowers total cost of ownership, making High Definition Card Printing available to practically any business. Printing a reverse image on the underside of HDP Film, then fusing the film to the card surface creates an image quality that looks more like a sharp glossy photo than an ID badge. Versatile modular design permits change as business needs change. Minimal training is required because of its simple design and intuitive operation.

Card Printing Solutions

Badge Printers and Accessories

Model Numbers	
Badging Kits	
BK-1-A	FA-48020 single-sided printer, webcam, YMCKO* printer ribbon cartridge and cleaning rollers
BK-2-A	FA-48120 dual-sided printer, webcam, YMCKO* printer ribbon cartridge and cleaning rollers
BK-2BC-A	FA-48120 dual-sided printer, webcam, YMCKOK* printer ribbon cartridge and cleaning rollers
BK-2BCL-A	FA-49500 2-sided laminating printer, webcam, YMCKOK* printer ribbon, cleaning rollers and overlamine
Printers	
FA-48000	DTC4000 single-sided printer, USB 2.0, 100 card input hopper
FA-48100	DTC4000 dual-sided printer, USB 2.0, 100 card input hopper
FA-48020	DTC4000 single-sided printer, USB 2.0 and Ethernet with internal printer server, 100 card input hopper
FA-48120	DTC4000 dual-sided printer, USB 2.0 and Ethernet with internal printer server, 100 card input hopper
FA-49500	DTC4500 dual-sided printer, USB 2.0 and Ethernet with internal printer server, 200 card dual-input hopper, lamination module; and bar code printer
FA-89003	HDP5000 dual-sided printer, USB 2.0 and Ethernet with internal printer server, 100 card input hopper
Accessories	
FA-47709	Magnetic stripe encoder for DTC4000 printer
ID-DIGCAM	Logitech QuickCam Orbit AF webcam with motorized tracking

* Indicates the ribbon type and the number of ribbon panels printed
 Y = Yellow, M = Magenta, C = Cyan, K = Resin Black, O = Overlay



T.REX

Request-to-Exit Detector



T.Rex provides a complete solution to exit detection and door surveillance for access control applications. Outstanding innovations such as horizontal and vertical Detection Zone Targeting and DSP (Digital Signal Processing) make T.Rex the fastest and most reliable exit detector on the market today. Horizontal and vertical targeting adds an extra layer of security by adjusting the detection zone. Infrared detection coupled with DSP sampling that has been specifically designed for access control applications to prevent false “Door Forced Open” alarms.

Features:

- Accurate and adjustable detection zone
- Horizontal and vertical adjustment
- Unlocks or shunts door automatically
- Hands-free, no buttons to push



“The smart exit detector”

Model Numbers:

T.REX-LT	T.Rex request-to-exit detector with tamper and timer, white
T.REX-LT-NL	T.Rex request-to-exit detector with tamper and timer, white (unbranded)
TREX-LT2	T.Rex request-to-exit detector with tamper, timer and 2 relays, white
T.REX-LT2-NL	T.Rex request-to-exit detector with tamper, timer and 2 relays, white (unbranded)
T.REX-XL	T.Rex request-to-exit detector with tamper, piezoelectric buzzer and timer, white
T.REX-XL-NL	T.Rex request-to-exit detector with tamper, piezoelectric buzzer and timer, white (unbranded)
T.REX-XLBLK	T.Rex request-to-exit detector with tamper, piezoelectric buzzer and timer, black
TREX-XL2	T.Rex request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, white
T.REX-XL2-NL	T.Rex request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, white (unbranded)
T.REX-XL2BLK	T.Rex request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, black

Accessories:

T.REX-PLATE	Single-gang box mounting back plate, white
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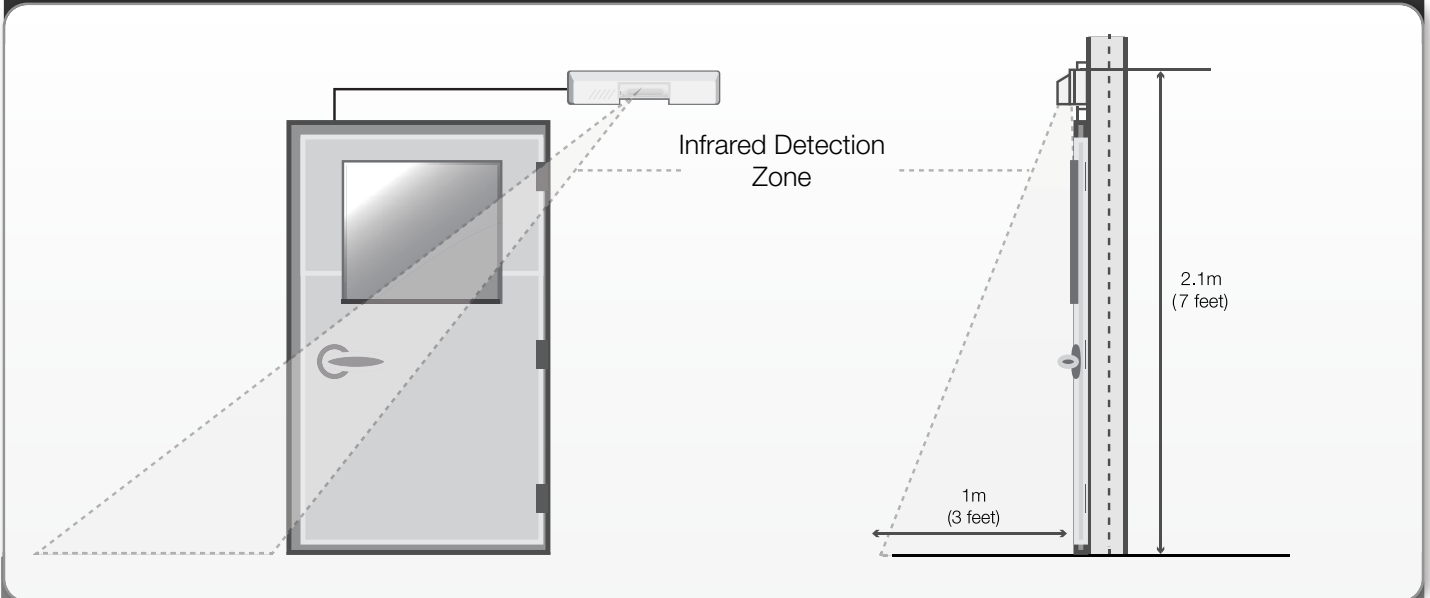
Related Products

EntraPass
Security Management Software

ioProx
Readers

DK-1
Door Hardware Kit

Kantech
Door Controller Family



Simple Two-Step Process:

1. Choose Location

- ▶ Recommended locations include door header, wall or ceiling.
- ▶ Keep in mind that the detection zone pattern is down and away from door (to inhibit tampering).
- ▶ Ensure clear line of sight from detector to every part of detection area.
- ▶ Do not place detector directly across from a window

2. Adjust

- ▶ Can be adjusted to detect an individual either in front of door or several steps away from door.
- ▶ Detection zone span and target direction is set by turning louver direction screws.

Exit Control Devices and Locks Door Hardware


PB-EXIT Push-To-Exit Button

The PB-EXIT is a spring loaded momentary 2" square exit button mounted on a stainless steel single gang outlet box cover. It is typically used as a request-to-exit device in access control applications where a quick and easy method of exiting a secure door is required. The green button is labelled "push to exit" and can be mounted next to a door.


DS-4114-05 Electric Strike 12 VDC
DS-4114-08 Electric Strike 24 VDC

These fail-locked continuous duty electric strikes are a durable, reliable and economical means of controlling access. The strikes accommodate a 3/4" latch projection and have a 1 1/2" cut-out depth which accommodates most aluminum and wood frame profiles. They are non-handed, making the strikes suitable for left or right hand doors. They are UL listed for 450 kg (1,000 lbs) of static strength and UL 1034 burglary-resistant. A unique built-in anti-vibration feature provides tamper-resistance. Crossed wires are not a problem as the coil is not polarity sensitive.


ML831C28 Electromagnetic Lock
ML831SCSC28 Electromagnetic Lock with Security Sensor

These hard-working multi-purpose electromagnetic locks enhance building security and install quickly. Featuring a brushed anodized aluminum finish, these locks are ideal for single outswinging interior or perimeter doors and have a holding force of up to 680 kg (1,500 lbs). They also have a built-in, adjustable time delay with instant unlock and delayed relock (up to 110 seconds). Voltage is field selectable (12 V or 24 V), the locks have no residual magnetism and have lower power consumption. The ML831SCSC28 model also has a security condition sensor for remote and local LED indication of lock status (locked or unlocked), reduced holding force caused by materials between magnet and plate, and unlocked device due to current loss.



KT-IP Kantech IP Link



KT-IP is an RS-232 to TCP/IP interface that connects KT-100 or KT-300 door controllers to a network. It reduces cabling, and gives the controllers real-time access to information and enhanced functionality by leveraging the bi-directional communications capabilities of TCP/IP. KT-IP integrates seamlessly into an existing TCP/IP network and requires no changes to existing equipment, network, or systems. The KT-IP is compatible with EntraPass software and uses 128-bit AES encryption to ensure secure communication. It also acts as a polling device to ensure the controllers communicate with EntraPass only as required, reducing network traffic.

USB-485 USB to RS-485 Converter



The USB-485 unit is designed to connect to (and be powered by) the USB port of a host computer. It supplies the data at the required RS-485 communications protocol necessary for door controllers and enables the controllers to have plug and play capability. Up to 32 door controllers can be connected together on an RS-485 multi-drop network. Installed between the host and the door controllers, the USB-485 permits a “daisy-chain” configuration thus extending the maximum transmission distance to 1,200 m (4,000 ft).

VC-485 RS-232 to RS-485 Converter



VC-485 is an RS-232 to RS-485 protocol converter that acts as the interface between a host computer’s RS232 port and up to 32 door controllers connected together on an RS-485 multi-drop network. The maximum length for a RS485 data line is 1,200 m (4,000 ft). Powered by 5 or 12 VDC, VC-485 converters may be connected back-to-back to act as a repeater on the data line, allowing the transmission distance to be extended. Maximum of 5 VC-485 converters can be used on a single data line to achieve a transmission distance of 5,000 m (18,000 ft).

Alarm Panel Integration

DSC PowerSeries/MAXSYS



By integrating security assets such as intrusion detection, access control, video and telephone entry into one common platform, users can interface with just one system, for greater simplicity and optimum control. Integration kits connect a DSC intrusion alarm panel to a Kantech access control system to create a single unified solution. Data integration with DSC PowerSeries or MAXSYS intrusion alarm panels allows the access control system to receive intrusion events, view zone status and manage partitions/user codes.

Features:

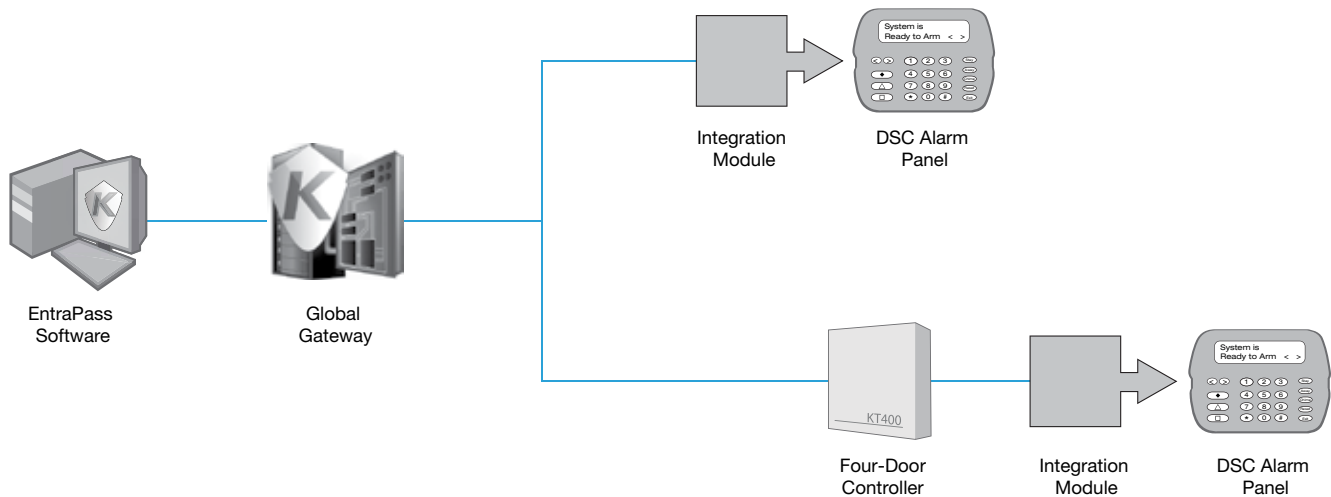
- Allows the EntraPass software to communicate with a DSC alarm panel
- Direct connection to KT-400 door controller
- Arm and disarm partitions with KT-400
- Remotely manage alarm system



“Integration to maximize the security solution”

Model Numbers:

KT-IT100	DSC PowerSeries Integration Kit: IT-100 integration module and CBLK-IT100 cable kit
CBLK-IT100	DSC PowerSeries Cable Kit: 3 m (10 ft) RS-232 connector cable set
KT-4401VK	DSC MAXSYS Integration Kit: integration module and 1.8 m (6 ft) RS-232 connector cable set
CBLK-4401VK	DSC MAXSYS Cable Kit: 1.8 m (6 ft) RS-232 connector set and EPROM set



Related Products

- EntraPass Security Management Software
- KT-400 Four-Door Controller
- Intevo Integrated Security Platform
- DSC Alarm Panels

Access Control Cables

Reference Table



This table lists a wide range of cables for security and access control applications, including security control panels, junction boxes, door control, lock power systems, REX and card reader systems. These cables provide fast, easy security installations.

Model Number	Max Length	Belden Ref. #	Alpha Ref. #	Description
Readers and Keypads				
ioProx Readers P225, P225KP, P325 & P325KP	300 m (1,000 ft)	8742	1304C	3 twisted pairs, solid, #22AWG, unshielded
P600 ioProx Reader	150 m (500 ft)	5304UE	N/A	6 wire, stranded, #18AWG, unshielded
Multi-Technology Readers P345MTR and P345KPMTR	150 m (500 ft)	5304UE	N/A	6 wire, stranded, #18AWG, unshielded
ioProx Receiver & Transmitters	150 m (500 ft)	9553	6428	3 twisted pairs, #18AWG, unshielded
Polaris-2 Readers	150 m (500 ft)	9554	6429	4 pairs, stranded, #18AWG, shielded (foil), drain wire
ShadowProx & Wiegand Readers	150 m (500 ft)	9553	6428	3 pairs, stranded, #18AWG, shielded (foil), drain wire
HID Readers	150 m (500 ft)	9553	6428	3 pairs, stranded, #18AWG, shielded (foil), drain wire
Bar Code Readers	150 m (500 ft)	9553	6428	3 pairs, stranded, #18AWG, shielded (foil), drain wire
KP-2500, ES-KTP/103SN	150 m (500 ft)	8466	1898/12C	12 conductors, stranded, #18AWG, unshielded
Auxiliary Devices				
KT-100 Inputs (zones 1-4) KT-200 Inputs (zones 1-16) KT-300 Inputs (zones 1-8) T.Rex Request to Exit Detector PB-EXIT Control Button	600 m (2,000 ft)	9794	1204	4 conductors, solid, #22AWG, unshielded
SPI (Serial Peripheral Interface)				
KT-MOD-INP16, KT-MOD-OUT16, KT-MOD-REL8	SPI cable 41 cm (16 in) for expansion modules, with connector at one end. Optional 92 cm (36 in) SPI cable with connector at one end is also available.			
Bus and Communications				
RS-485 Bus from VC-485/USB-485 to KT-100/200/300/400/ KTES to KT-100/200/300	1.1 km (4,000 ft)	1227A1	N/A	2 twisted pairs, #24AWG, unshielded, Ethernet Category 3 cable
RS-485 Bus, from KT-NCC to KT-100/200/300/400 to KT-100/200/300/400	1.1 km (4,000 ft)	1227A1	N/A	2 twisted pairs, #24AWG, unshielded, Ethernet Category 3 cable
RS-232 from EntraPass system to KT-200/300/400	30 m (100 ft)	N/A	N/A	6 conductors, #24AWG, stranded flat telephone cable
Power and Grounding				
AC Transformers to Kantech Products	8 m (25 ft)	9571	6501	2 conductors, solid, #18AWG, unshielded
Door Lock Power from KT-100/200/300/400	150 m (500 ft)	9571	6501	2 conductors, solid, #18AWG, unshielded
KT-100/200/300/400 & KT-NCC Grounding	8 m (25 ft)	N/A	N/A	1 conductor, solid, #18AWG

hatrix

Cloud Security Services



Outsourcing security to a Managed Services Provider (MSP) has never been easier. hatrix allows businesses to overcome significant pain points within their organizations such as infrastructure expense, limited access control knowledge, maintenance inefficiencies and manpower expense. With hatrix, Managed Services Providers (MSPs) can offer a full spectrum of security services to provide the solution that's just right for a specific application.

The level of innovation offered by hatrix will translate into significant advantages in flexibility and scalability, while reducing the infrastructure and training costs compared with traditional systems.

HOSTED



A Hosted solution empowers customers to remotely control their own security management tasks in real time over the web. The solution can scale from two-doors to enterprise level and offers low cost of service to a large community of users. As a web-based, hosted service, updates to the platform are made transparently to the user, and without any intervention or service disruption.

MANAGED



In a fully managed solution, the MSP hosts and manages the database and server infrastructure. All security needs are provided by the MSP. No investment in headcount is required by the customer since the MSP manages all system tasks and maintenance. It's the closest thing to worry-free security.

HYBRID

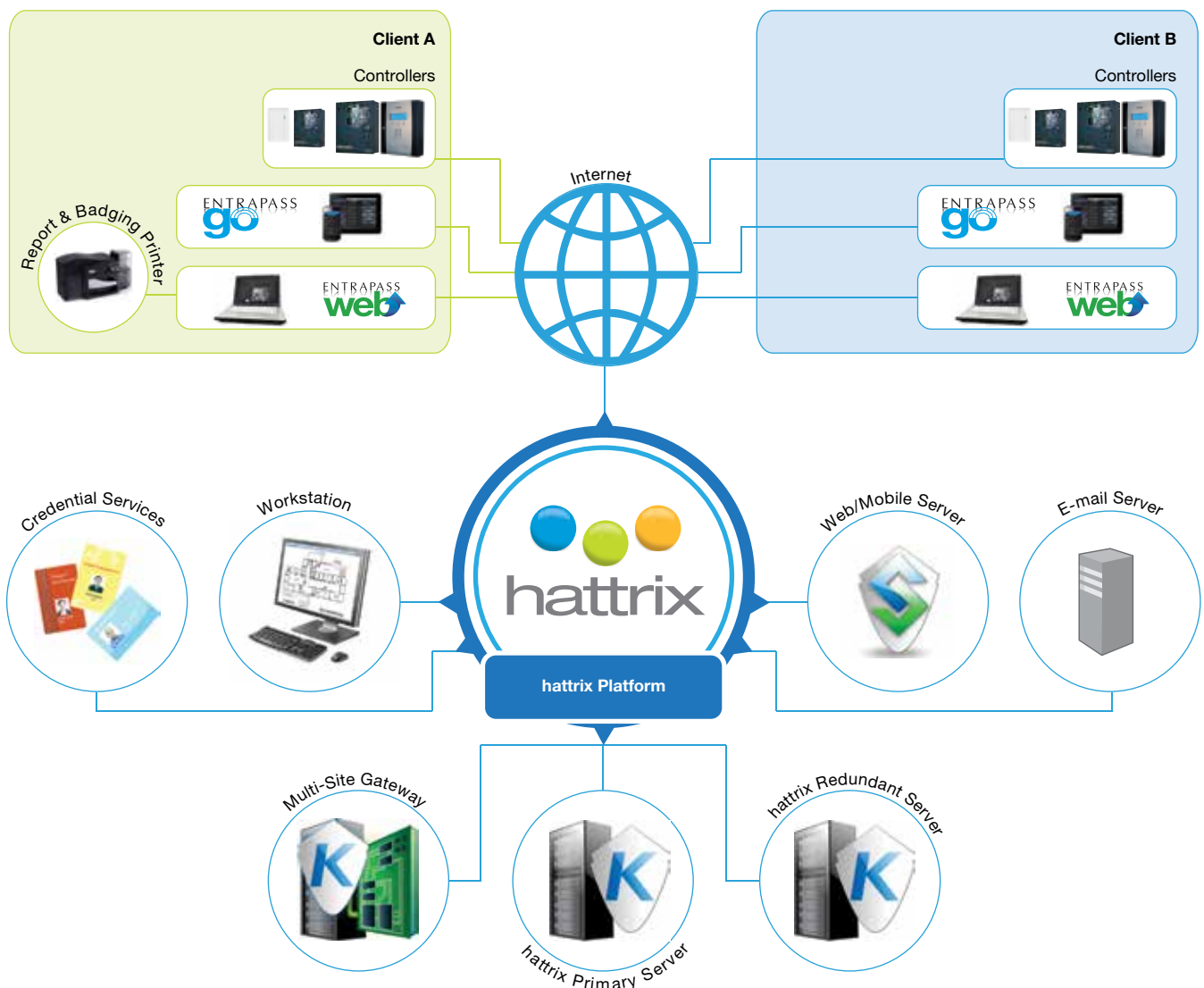


The hatrix solution also enables MSPs to provide a customizable service that could be a hybrid of both Hosted and Managed access control. A Hybrid solution can be tailored to those businesses that want to be hands-on with managing part of the system, but cannot manage the entire system on their own.

New technologies are opening the door for security administrators to leverage the benefits of managed security services. With the ability to maintain control, minimize capital investments, increase performance and reduce total cost of ownership, hatrix can give businesses a significant competitive edge.

Top 4 Benefits of Outsourcing Security

1. Improved Infrastructure. hatrix enables MSPs to virtually eliminate their customers' network and computing infrastructure capital costs and ongoing operational expenses such as database/operating system upgrades, hardware replacement and networking equipment.
2. No Access Control "Know-How" Required. The MSP knows and understands security, saving the customer an extensive investment in training and staffing costs.
3. A System that Works Right because it's Managed Right. The entire security system is professionally and properly maintained by the MSP by behalf of the customer. This includes ongoing scheduled backups, full redundancy and data security.
4. Lower Manpower Expense. hatrix significantly reduces the need for dedicated customer staff to administer the system. Customers will enjoy the peace of mind that comes with knowing that their security services are being professionally managed.



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