Table of Contents

Introduction 2

What’s New 3

Software

EntraPass Software
Special Edition 4
Corporate Edition 6
Global Edition 8
EntraPass Go Mobile App 10
EntraPass Web Application 11
Kantech Advantage Program 12
Video Vault 13
Redundancy Server 14
SQL Database Access 15
SmartLink 15
Card Gateway 15

Hardware

Integrated Security Platforms
Intevo 16

Door Controllers
KT-400 Four-Door Controller 18
KT-1 Single door IP controller 20
KT-300 Two-Door Controller 22
KT-100 One-Door Controller 24
KT-NDC Network Communication Controller 25
KT-400 Demo Kit 26
ioPass SA-550 Stand-Alone Door Controller 27

Access Control Kits
KT-1 Starter Access Control Kits 28
KT-1 Expansion Access Control Kits 29
Starter Access Control Kits 30
Expansion Access Control Kits 31
Door Hardware 32
Multi-Door Controller Kits 33

Telephone Entry Systems
KTES 34

Readers and Cards
ioProx Proximity Readers 35
ioProx Proximity Cards and Tags 36
Multi-Technology Proximity/Smart Card Readers 37
HID Proximity and multiCLASS Readers 38
HID Proximity Cards and Fobs 39
ShadowProx Proximity and multiCLASS Readers 40
ShadowProx Proximity Cards and Fobs 41
ioProx Receiver and Wireless Transmitter 42
Polaris Magnetic Stripe Readers and Cards 43
 Bioscrypt Fingerprint Readers 44
HandKey Hand Recognition Readers 45
Specialty Readers and Keypads 46

Card Printing Solutions
Badge Printers and Accessories 47

Exit Detection
T.Rex Request-To-Exit Detector 49

Door Hardware
Exit Control Devices and Locks 51

Networking
KT-IP: Kantech IP Link 52
USB-485: USB to RS-485 Converter 52
VC-485: RS-232 to RS-485 Converter 52

Alarm Panel Integration
DSC PowerSeries/PowerSeries NEO/MAXSYS 53

Access Control Cables
Reference Table 54

Services
Cloud Security Services 55
hattrix 55
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:

- **KT-1 Controller**
  “Single door PoE Controller”
  With its elegant design and innovative single touch-sensitive button enrollment, KT-1 offers users and integrators the ultimate experience in access control installation.
  ONE DOOR. ONE TOUCH. SECURITY SIMPLIFIED
  See page 10

- **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 25
EntraPass Special Edition

EntraPass Special Edition is a single workstation security software. It controls up to 64 Kantech door controllers (consisting of the KT-100/KT-300, KT-400 and the KT-1 controller). 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 full integration with Exacq video management systems, American Dynamics DVRs/NVRs (HDVR, ADTVR and Intelix) and DSC PowerSeries, PowerSeries NEO and MAXSYS intrusion alarm panels.

Features:
- Fast user-friendly installation/operation
- Integrates with Kantech telephone entry system
- Built-in e-mail reporting capability
- Integrates with Exacq video management systems and American Dynamics DVRs/NVRs (HDVR, ADTVR, Intelix and the INTEVO integrated platform) *Integrates with DSC PowerSeries, PowerSeries NEO and MAXSYS intrusion alarm panels
- Double and triple swipe card at reader (with KT-1 & KT-400 controller) to activate such features as: activate relay, arm alarm system and lock/unlock doors

Model Numbers:
- E-SPE-V6-UC: EntraPass Special Edition software license
- E-SPE-UPG-V6-UC: EntraPass Special Edition software upgrade license

Kantech Advantage Program (KAP) Token:
- E-SPE-KTK-1: 1 Kantech Token

User Manual:

---

Related Products:
- ioProx Readers
- KT-100 One-Door Controller
- DSC Alarm Panels
- Intellex Digital Video Management

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EntraPass Corporate Edition

EntraPass Corporate Edition is a proven platform that offers the ultimate balance between power and affordability in a network environment. EntraPass software is compatible with Kantech IP devices such as KT-400/KT-1 controllers and Kantech IP Link (KT-IP) which all utilize highly secure 128-bit AES encryption to ensure communication is not compromised. EntraPass Corporate Edition supports the intuitive, state-of-the-art EntraPass Web and EntraPass Go mobile applications which offer customers an unparalleled feature rich access control experience via PC, tablet or smart phone.

Features:
- Supports up to 20 workstations and controls hundreds of thousands of doors
- Supports up to 50* concurrent logins of EntraPass Web and/or EntraPass Go *First login provided as standard
- Integrates with Exacq video management systems, American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR, intellex and INTEVO)
- Integrates with DSC PowerSeries, PowerSeries NEO and MAXSYS intrusion alarm panels
- Double and triple swipe card reader at reader (with KT-1/KT-400 controller) to activate such features as: activate relay, arm alarm system and 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-WL-UC EntraPass Corporate Edition software license
- E-COR-UPG-V6-UC EntraPass Corporate Edition software upgrade license

Additional Workstation and Gateway Licenses:
- E-COR-RSW1 License for 1 Workstation (v3.xx and higher)
- E-COR-RSW6 License for 6 Workstations (v3.xx and higher)
- E-COR-COM License for 40 Multi-Site Gateways (v3.xx and higher)
- 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-VWEB-1 License for 1 concurrent WebStation login (v4.xx and higher)

Options:
- E-COR-VWEB-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 3 Kantech Tokens
- E-COR-KTK-3 5 Kantech Tokens
- E-COR-KTK-5 10 Kantech Tokens
- E-COR-KTK-10 10 Kantech Tokens

User Manual:
- E-COR-MAN-EN EntraPass Corporate Edition English user manual

User Manuals:
- E-COR-WEB-1E English User Manual
- E-COR-WEB-5F French User Manual
EntraPass Global Edition

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. EntraPass Corporate Edition supports the intuitive, state-of-the-art EntraPass Web and EntraPass Go mobile applications which offer customers an unparalleled feature-rich access control experience via PC, tablet or smart phone.

Features:
- Supports up to 128 workstations and controls hundreds of thousands of doors
- Global virtual alarm system, anti-passback, guard tours and muster reporting
- Supports up to 200* concurrent logins of EntraPass Web and/or EntraPass Go
*First login is provided as standard
- Integrates with Evolv video management systems, American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR and Intellex) and DSC PowerSeries, PowerSeries NEO and MAXSYS intrusion alarm panels
- Double and triple swipe card at reader (with KT-1KT-400 controller) to activate such features as: activate relay, arm alarm system and lock/unlock doors

"Network-ready, enterprise level software"

Model Numbers:
- E-GLO-VE-LIC EntraPass Global Edition software license
- E-GLO-VE-V6 EntraPass Global Edition software
- E-GLO-LIC-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-WS2 License for 2 [v3.xx and higher]
- E-GLO-WS4 License for 4 [v3.xx and higher]
- E-GLO-WS8 License for 8 (v3.xx and higher)
- E-GLO-COM-WIN License for 16 Global Gateways - Windows NCC - (v3.xx and higher)
- E-GLO-COM-WIN License for 40 Multi-Site Gateways (v3.xx and higher)

Options:
- E-GLO-REDN 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-MM 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)

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-INFV License for EntraPass InfraView - 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:

Security Management Software

Features:
• Supports up to 128 workstations and controls hundreds of thousands of doors
• Global virtual alarm system, anti-passback, guard tours and muster reporting
• Supports up to 200* concurrent logins of EntraPass Web and/or EntraPass Go
*First login is provided as standard
• Integrates with Evolv video management systems, American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR and Intellex) and DSC PowerSeries, PowerSeries NEO and MAXSYS intrusion alarm panels
• Double and triple swipe card at reader (with KT-1KT-400 controller) to activate such features as: activate relay, arm alarm system and lock/unlock doors

Related Products
- Request-To-Exit Detector
- Kantech Door Controller Family
- DSC Alarm Panels
- Intellex Digital Video Management

Software   Hardware  Services
EntraPass Go

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.

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”

EntraPass Web

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!

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.x and higher)
- E-COR-WEB-3: EntraPass Corporate Edition license for 3 concurrent WebStation logins (v4.x 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.x and higher)
- E-GLO-WEB-3: EntraPass Global Edition license for 3 concurrent WebStation logins (v4.x 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)
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)

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.

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)

Software      Hardware      Services

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.

**EntraPass Update/Upgrade Activations**

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.

**Related Products**


**Kantech Advantage (KAP)**

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

**Video Archive Management**

Features:
- Preserve, store and retrieve video

**Kantech Advantage (KAP)**

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**Related Products**

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

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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.

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)

Software      Hardware      Services

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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)
EntraPass Software

Advanced Security Features

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 switches, 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 Evacq and American Dynamics Digital Video Management Systems (see data sheet for more information)
- Windows 7 embedded

**Model Numbers:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTEVO-ADV-3TB</td>
<td>Intevo (Advanced model) with single IP camera channel license, 3 TB hard drive</td>
</tr>
<tr>
<td>INTEVO-CMP-1TB</td>
<td>Intevo (Compact model) with single IP camera channel license, 1 TB hard drive</td>
</tr>
<tr>
<td>INTEVO-ADV-FLEX</td>
<td>Intevo (Advanced model) with single IP camera channel license, 3 TB hard drive &amp; 1 Illustra FLEX camera</td>
</tr>
<tr>
<td>INTEVO-CMP-FLEX</td>
<td>Intevo (Compact model) with single IP camera channel license, 1 TB hard drive &amp; 1 Illustra FLEX camera</td>
</tr>
</tbody>
</table>

**Accessories:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTEVO-IPCAM01</td>
<td>1 IP camera channel license</td>
</tr>
<tr>
<td>INTEVO-IPCAM04</td>
<td>4 IP camera channel license</td>
</tr>
<tr>
<td>INTEVO-IPCAM08</td>
<td>8 IP camera channel license</td>
</tr>
<tr>
<td>INTEVO-IPCAM16</td>
<td>16 IP camera channel license</td>
</tr>
<tr>
<td>INTEVO-ADV-RM</td>
<td>Rack mount kit for Intevo Advanced model</td>
</tr>
<tr>
<td>INTEVO-ADV-PS</td>
<td>Intevo Advanced and Compact models external power supply</td>
</tr>
<tr>
<td>INTEVO-ADV-SSA</td>
<td>(Advanced model) one year Software Support Agreement (SSA)</td>
</tr>
<tr>
<td>INTEVO-CMP-SSA</td>
<td>(Compact model) one year Software Support Agreement (SSA)</td>
</tr>
</tbody>
</table>

“The synergy of one”
### KT-400

**Four-Door Controller**

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, PowerSeries NEO and MAXSYS intrusion alarm panels
- Double and triple swipe card at reader to activate relay, arm alarm system, lock/unlock doors and more
- 8 reader support (4 doors each with IN/OUT control), using ioProx XSF readers

### Related Products

#### 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

#### 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 CBUL-IT100 cable kit
- **CBUL-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
- **CBU1K-4401VK**: DSC MAXSYS Cable Kit: 1.8 m (6 ft) RS-232 connector cable set and EPROM set

### KT-400

<table>
<thead>
<tr>
<th>Model Numbers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KT-100</td>
<td>KT-300, KT-400, KT-1 &amp; KTES</td>
</tr>
<tr>
<td>KT-100-VID</td>
<td>8-port video switch for monitoring access control points</td>
</tr>
<tr>
<td>KT-ACPW-LED</td>
<td>AC power LED indicator</td>
</tr>
<tr>
<td>KT-3LED-PLATE</td>
<td>Alarm (3 LED) indicator</td>
</tr>
<tr>
<td>KT-IT100</td>
<td>DSC PowerSeries Integration Kit: IT-100 integration module and CBUL-IT100 cable kit</td>
</tr>
<tr>
<td>CBUL-IT100</td>
<td>DSC PowerSeries Cable Kit: 3 m (10 ft) RS-232 connector cable set</td>
</tr>
<tr>
<td>KT-4401VK</td>
<td>DSC MAXSYS Integration Kit: integration module and 1.8 m (6 ft) RS-232 connector cable set</td>
</tr>
<tr>
<td>CBU1K-4401VK</td>
<td>DSC MAXSYS Cable Kit: 1.8 m (6 ft) RS-232 connector cable set and EPROM set</td>
</tr>
</tbody>
</table>

### EntraPass Software

- **Simple, scalable, secure door controllers**
KT-1 is an innovative, Ethernet ready one door controller that has been designed to simplify and enhance the access control installation experience. It is based on Kantech's existing and highly proven KT-400 controller firmware. Simply provide an IP connection, push a single touch-sensitive button and KT-1 is automatically detected and programmed on the EntraPass security management system, making it quick and intuitive to install in minutes. The one button is also used to enroll additional secondary controllers, to display controller status LED’s and can enable direct integration to intrusion alarm panels. KT-1 also features an onboard Ethernet port for Power over Ethernet (PoE+) capabilities.

“Simple, scalable, secure door controllers”

Model Numbers:
- KT-1: Ethernet-ready, one door controller, single gang mount
- KT-1-M: Ethernet-ready one door controller (KT-1-PCB) and metal cabinet (KT-1-CAB-M)
- KT-1-PCB: Ethernet-ready, one door controller, cabinet mount

Accessories:
- KT-1-CVR: Black plastic replacement cover, fits KT-1 and KT-1-PCB
- KT-1-CAB-M: Black metal cabinet, fits KT-1-PCB

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

Features:
- Supports 2 readers (entry and exit)
- Single touch-sensitive button for fast controller enrollment
- Plug & play Installation
- Interchangeable connections for easy install or replacement
- Flexible power input – Power over Ethernet (PoE), PoE+ or 12 VDC
- Choose from single gang mount (model KT-1) or cabinet mount (KT-1-PCB) installation options
- Highly secure 128-bit AES encryption
- DSC Intrusion integration
- Compatible with EntraPass Security Management Software v6.02 or higher

Related Products:
- EntraPass
- ioProx readers
- DSC Alarm Panels
- DSC Alarm Panel integration available with KT-1-PCB model only

KT-1, KT-300, KT-400 & KTES Request-To-Exit Detector

Door Locking Devices
**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

**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 1KΩ, 10x 5.6KΩ, 2x 120Ω 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
- KT-LCD: LCD time and date keypad

**Related Products**:

- Kantech IP Link
- IP Module, Dial-Up & RS-485 Converters
- EntraPass Security Management Software
- ioProx Readers
- ioKit TCP/IP Interface
- DSC Alarm Panels
### KT-NCC

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

#### Model Numbers:
- KT-NCC
- KT-NCC-PCB, accessory kit, metal cabinet with lock, tamper switch
- KT-NCC-ACC, accessory kit
- KT-TAMPER, Tamper switch
- KT-LOCK, Cabinet lock and 2 keys

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### KT-100

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

#### Model Numbers:
- KT-100
- KT-100 Controller
- MUSB-1WHT, Surface mounting box (white)

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### Related Products

- ioProx Readers
- KTIP TCP/IP Interface
- DSC Alarm Panels
- KT-1, KT-100, KT-300 & KT-400
- KT-IP, RS485-RS232
- Expansion Modules
- Request-To-Exit Detector
- Door Locking Device

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### Services

- Software
- Hardware
- Related Products
- KT-NCC
- KT-1, KT-100, KT-300 & KT-400
- KT-IP, RS485-RS232
- Expansion Modules
- Request-To-Exit Detector
- Door Locking Device
SA-550

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

Accessory:
SA-RM56: Replacement Relay Module

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

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.

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

KT-400 Demo Kit

KT-400 Demo Kit with EntraPass software and request-to-exit detector.
KT-1 Starter

KT-1 Starter Access Control Kits include all the essentials needed to get up and running quickly and easily, at an affordable price. Available in different mounting configurations – single gang mount (KT-1) or cabinet mount options (KT-1-PCB), the KT-1 kits are an ideal way to experience the rich user features that Kantech brings to single door installations. Included in the kits is the KT-1 hardware, Kantech ioProx reader (P225XSF), EntraPass security management software (v6.02 and higher), as well as all the peripherals and credentials in between; making the starter kits an all-inclusive access control offering.

Features:
• Everything needed to start a new access control system
• Cost-efficient, yet feature rich
• KT-1 hardware, card reader, security software and accessories all in a box
• Plug & play installation – designed with installers in mind
• Utilises the user-friendly EntraPass security management software (v6.02 and higher)

“Affordable, easy to implement access control”

Model Numbers:
- **SK-CE-1-RDR**: Starter Kit includes; EntraPass Corporate Edition Software USB Key (v6.02 & higher), KT-1 Controller (single gang mount option), 1 P225XSF Reader & 5 P40KEY Keyfobs/credentials.
- **SK-CE-1M-RDR**: Starter kit includes; EntraPass Corporate Edition Software USB Key (v6.02 & higher), KT-1-M Controller (KT-1-PCB with metal cabinet), 1 P225XSF Reader, 16 VAC/40 VA Transformer, 12 VDC Power supply, KT-BATT-12 12V 7 AH Battery & 5 P40KEY Keyfobs/credentials.
- **SK-SE-1-RDR**: Starter kit includes; EntraPass Special Edition Software USB Key (v6.02 & higher), KT-1 Controller (single gang mount option), 1 P225XSF Reader & 5 P40KEY Keyfobs/credentials.
- **SK-SE-1M-RDR**: Starter kit includes; EntraPass Special Edition Software USB Key (v6.02 & higher), KT-1-M Controller (KT-1-PCB with metal cabinet), 1 P225XSF Reader, 16 VAC/40 VA Transformer, 12 VDC Power supply, KT-BATT-12 12V 7 AH Battery & 5 P40KEY Keyfobs/credentials.

KT-1 Expansion

KT-1 Expansion Kits offer a comprehensive and easy-to-install solution for businesses to expand the size and scope of their existing access control system. Larger enterprises can also use the kits to seamlessly scale their system and secure remote sites. KT-1 expansion kits are ideal for existing customers that wish to expand security and don’t require extra EntraPass software licenses or further credentials.

Features:
• Everything needed to start expand an existing access control system
• Cost-efficient, yet feature rich
• KT-1 hardware, card reader and accessories all in a box
• Plug & play installation – designed with installers in mind
• Utilises the user-friendly EntraPass security management software (v6.02 and higher)

“Easily add doors to your network”

Model Numbers:
- **EK-1-RDR**: Expansion Kit includes; KT-1 Controller (single gang mount option) & 1 P225XSF Reader
- **EK-1M-RDR**: Expansion kit includes; KT-1-M Controller (KT-1-PCB with metal cabinet), 1 P225XSF Reader, 16 VAC/40 VA Transformer, 12 VDC Power supply & KT-BATT-12 12V 7 AH Battery.
- **EK-1M**: KT-1-M Controller (KT-1-PCB with metal cabinet), 16 VAC/40 VA Transformer, 12 VDC Power supply & KT-BATT-12 12V 7 AH Battery.

Related Products
- Door Hardware Kit
- IP Cameras
- Intrusion Alarm Panel Integration Kits
- DSC Alarm Panels

Related Products
- EntraPass Security Management Software
- Request-To-Exit Detector
- IP Cameras
- Door Hardware Kit
**Starter Access Control Kits**

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

**Model Numbers:**

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SK-CE402</td>
<td>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</td>
</tr>
<tr>
<td>SK-CE403</td>
<td>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</td>
</tr>
<tr>
<td>SK-SE402</td>
<td>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</td>
</tr>
<tr>
<td>SK-SE403</td>
<td>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</td>
</tr>
<tr>
<td>SK-SE302</td>
<td>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</td>
</tr>
</tbody>
</table>

**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

**Model Numbers:**

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EK-400</td>
<td>Four-Door Expansion Kit: KT-400 Controller, Transformer, Battery</td>
</tr>
<tr>
<td>EK-402</td>
<td>Four-Door Expansion Kit: KT-400 Controller, 4x P225XSF Readers, Transformer, Battery</td>
</tr>
<tr>
<td>EK-403</td>
<td>Four-Door Expansion Kit: KT-400 Controller, 4x P225XSF Readers, Transformer, Battery</td>
</tr>
<tr>
<td>EK-302</td>
<td>Two-Door Expansion Kit: KT-300 Controller, 2x P225XSF Readers, 2x Relays, Transformer, Battery</td>
</tr>
<tr>
<td>EK-IP302</td>
<td>Two-Door Expansion Kit: KT-300 Controller, 2x P225XSF Readers, RS-232 to RS-485 Converter, 2x Relays, TCP/IP Interface, Transformer, Battery</td>
</tr>
<tr>
<td>EK-IP300</td>
<td>Two-Door Expansion Kit: KT-300 Controller, RS-232 to RS-485 Converter, 2x Relays, TCP/IP Interface, Transformer, Battery</td>
</tr>
</tbody>
</table>

**Related Products**

- Door Hardware Kit
- Bullet IP Cameras
- Intrusion Alarm Panel Integration Kits
- DSC Alarm Panels

- EntraPass Security Management Software
- Request-To-Exit Detector
- Bullet IP Cameras
- Door Hardware Kit
Related Products

- Access Control Starter Kits
- Access Control Expansion Kits
- Multi-Door Controller Kits
- iProx Readers
- Request-To-Exit Detectors

**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 Numbers:**
- DK-1: Door Hardware Kit: T.Rex LT Request-To-Exit Detector, GR Magnetic Door Contact, RCI-41U69 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

Multi-Door Controller Kits

**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

**Model Numbers:**
- *EK-4DR-8: Multi-Door Controller Kit: 28 inch enclosure with door cover, 2x KT-300PCB128 (PCB) controllers, 4x iProx 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-4DR-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-4DR-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 in or 6 x 4 in) for 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-PC404 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 that save space, time and money"

Access Control Kits

**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

**Model Numbers:**
- *EK-4DR-8: Multi-Door Controller Kit: 28 inch enclosure with door cover, 2x KT-300PCB128 (PCB) controllers, 4x iProx 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-4DR-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-4DR-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 in or 6 x 4 in) for 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-PC404 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

"Complete your access control installation"
Kantech Telephone Entry System

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-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-ININDEX-F - LED illuminated directory index paper
- KTES-MPLATE - Mounting plate for goose-neck installation
- DU-MODM-HOS - Host computer dial-up modem

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

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

“Robust and affordable card access solution”

Model Numbers:
- P225SF, P225W26 - Mullion Mount
- P225KPXSF, P225KPW26 - Mullion Mount with Keypad
- P325XSF, P325W26 - Single Gang Mount
- P325KPXSF, P325KPW26 - Single Gang Mount & Keypad
- P600 - Long Range Reader

Related Products:
- Entrapass Security Management Software
- KT-400 Four Door Controller
- T-Ree Request-To-Exit Detector
- IoProx Readers

Related Products:
- IoProx Cards and Tags
- KT-400 Four Door Controller
- KTES Telephone Entry System
- SA-550 IoProx Stand-Alone Controller
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.

“Mix and match multiple 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

### ioProx Proximity Cards and Tags

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.

“Seamlessly integrates with ioProx readers”

<table>
<thead>
<tr>
<th>Model Number/Description</th>
<th>Dimensions (h x w x d)</th>
<th>Read Range/ Linear Power Supply</th>
<th>Compatible Card Formats</th>
</tr>
</thead>
</table>
| 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 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®RISCO® 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 |  

### Multi-Technology

**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

**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

**Related Products**
- ioProx Readers
- Badge Printers
- EntraPass Security Management Software
- KT-400 Four-Door Controller

**Related Products**
- ioProx Cards and Tags
- EntraPass Security Management Software
- KT-400 Four-Door Controller
- Request-To-Exit Detector
Proximity and multiCLASS Readers

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

Common Reader Specifications:
- Multi-color LED
- Integrated Beeper

<table>
<thead>
<tr>
<th>Model Number/Description</th>
<th>Dimensions (h x w x d)</th>
<th>Read Range/Linear Power Supply</th>
<th>Compatible Card Formats</th>
</tr>
</thead>
<tbody>
<tr>
<td>HID-PP6055B Mini Mullion Mount (Gray)</td>
<td>8.0 x 4.4 x 1.7 cm</td>
<td>5-16 VDC</td>
<td>Proximity KSF/HID</td>
</tr>
<tr>
<td>HID-PP6055RF Wall Mount with Keypad (Gray)</td>
<td>10.0 x 5.0 x 1.0 cm</td>
<td>10-28.5 VDC</td>
<td>Proximity KSF/HID</td>
</tr>
<tr>
<td>HID-PR5355 Single Gang Box Mount</td>
<td>11.9 x 7.6 x 1.7 cm</td>
<td>5-16 VDC</td>
<td>Proximity KSF/HID</td>
</tr>
<tr>
<td>HID-MR6375 Long Range Reader (Gray)</td>
<td>30.5 x 30.5 x 2.54 cm</td>
<td>12/24 VDC</td>
<td>Proximity KSF/HID</td>
</tr>
<tr>
<td>HID-RP40-SE Single Gang Box Mount (Black)</td>
<td>12.2 x 8.4 x 2.4 cm</td>
<td>5-16 VDC</td>
<td>Proximity KSF/HID and Smart Cards</td>
</tr>
<tr>
<td>HID-RPK40-SE Single Gang Box Mount (Black)</td>
<td>12.2 x 8.4 x 2.7 cm</td>
<td>5-16 VDC</td>
<td>Proximity KSF/HID and Smart Cards</td>
</tr>
</tbody>
</table>

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

Common Reader Specifications:
- Multi-color LED
- Integrated Beeper

Access intelligence with HID readers

“Access intelligence with HID readers”

“Inherent security and flexible design”

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).
ShadowProx

Proximity and multiCLASS Readers

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

Common Reader Specifications:
- Multicolor LED, Integrated Buzzer, Temperature Range -35˚ to 65˚C (-30˚ to 150˚F), Maximum Cable Distance 150 m (500 ft)
- All readers available in black except SH-Y1BEI, SH-Y2BEI and SH-2KP which are beige

Related Products

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

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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
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

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”

**ioProx Receiver and Wireless Transmitter**

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”

**ioProx Receiver**

**ioProx Transmitter**

**Gate**

**Two-Door Controller**

**Software**

**Hardware**

**Services**

**ioProx**

**Transmitter**

**ioProx Receiver**

**Polaris**

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

**Model Numbers:**
- POL-2
- POL-25M
- POL-2KP
- POL-2KP-5M
- POL-2ATM
- POL-C1CN
- POL-C5CN
- POL-C6CN

**Accessories:**
- P-WLS-A1 Standard whip antenna
- P-WLS-A2 Dipole antenna

**ioProx Readers**

**ioProx Security Management Software**

**KT-100 Four-Door Controller**

**ioProx Request-To-Exit Detector**

**T-Rex Request-To-Exit Detector**

**One-Door Controller**

**Security Management Software**

**EntraPass**

**KT-400 Four-Door Controller**

**T-Rex Request-To-Exit Detector**

**ioProx Readers**

**ioProx Security Management Software**

**KT-100 Four-Door Controller**

**ioProx Request-To-Exit Detector**

**T-Rex Request-To-Exit Detector**

**One-Door Controller**

**Security Management Software**
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:
- Multi- 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 Numbers

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Proximity Card Reader/Output Format</th>
<th>Internal Template Capacity</th>
<th>Dimensions (h x w x d)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KT-4GF-XS</td>
<td>Optional External Proximity Reader</td>
<td>1:N - 10,000</td>
<td>15.9 x 9.6 x 6.5 cm</td>
</tr>
<tr>
<td>KT-4GF-XS-ID-XSF</td>
<td>Integrated ioProx Proximity Reader</td>
<td>1:1 - 500,000</td>
<td>(6.3 x 3.8 x 2.6 in)</td>
</tr>
<tr>
<td>KT-4GF-XS-ID-W26</td>
<td>Integrated ioProx Proximity Reader</td>
<td>26-bit Wiegand</td>
<td></td>
</tr>
<tr>
<td>KT-4GF-XSP</td>
<td>Integrated ioProx Proximity Reader</td>
<td>1:N - 5,000</td>
<td>17.2 x 6.2 x 5.1 cm</td>
</tr>
<tr>
<td>KT-4GF-XLS</td>
<td>Optional External Proximity Reader</td>
<td>1:1 - 25,000</td>
<td>(6.7 x 2 x 2 in)</td>
</tr>
</tbody>
</table>

**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.”

Bioscrypt fingerprint 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.

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

“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.”

**Related Products:**
- ioProx Cards and Tags
- ioProx Readers
- KT-400 Four-Door Controller
- EntraPass Security Management Software
Card Printing Solutions

DTC-4250e 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.

Other Access Control

Specialty Readers and Keypads

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°C to 70°C (-20°F 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.

Software   Hardware  Services
### Card Printing Solutions

#### Badge Printers and Accessories

<table>
<thead>
<tr>
<th>Model Numbers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Badging Kits</strong></td>
<td></td>
</tr>
<tr>
<td>BK-1-A</td>
<td>FA-41020 single-sided printer, webcam, YMCKO* printer ribbon cartridge and cleaning rollers</td>
</tr>
<tr>
<td>BK-2-A</td>
<td>FA-41210 dual-sided printer, webcam, YMCKO* printer ribbon cartridge and cleaning rollers</td>
</tr>
<tr>
<td>BK-2B-C-A</td>
<td>FA-41210 dual-sided printer, webcam, YMCKO* printer ribbon cartridge and cleaning rollers</td>
</tr>
<tr>
<td>BK-2BCL-A</td>
<td>FA-49001 2-sided laminating printer, webcam, YMCKO* printer ribbon, cleaning rollers and overlaminate</td>
</tr>
<tr>
<td><strong>Printers</strong></td>
<td></td>
</tr>
<tr>
<td>FA-52000</td>
<td>DTC4250e single-sided printer, USB 2.0 and Ethernet with internal print server, 100 card input hopper. Ribbon cartridge sold separately</td>
</tr>
<tr>
<td>FA-52100</td>
<td>DTC4250e dual-sided printer, USB 2.0 and Ethernet with internal print server, 100 card input hopper. Ribbon cartridge sold separately</td>
</tr>
<tr>
<td>FA-55520</td>
<td>DTC4500e dual-sided printer, USB 2.0 and Ethernet with internal print server, 200 card dual-input hopper, lamination module, and bar code printer. Ribbon cartridge sold separately</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td></td>
</tr>
<tr>
<td>FA-47709</td>
<td>Magnetic stripe encoder for DTC4000 printer</td>
</tr>
<tr>
<td>ID-DIGCAM</td>
<td>Logitech QuickCam Orbit AF webcam with motorized tracking</td>
</tr>
</tbody>
</table>

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

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### 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

---

### Model Numbers:

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.REX-LT</td>
<td>T.REX request-to-exit detector with tamper and timer, white</td>
</tr>
<tr>
<td>T.REX-LT-NL</td>
<td>T.REX request-to-exit detector with tamper and timer, white (unbranded)</td>
</tr>
<tr>
<td>T.REX-LT2</td>
<td>T.REX request-to-exit detector with tamper, timer and 2 relays, white</td>
</tr>
<tr>
<td>T.REX-LT2-NL</td>
<td>T.REX request-to-exit detector with tamper, timer and 2 relays, white (unbranded)</td>
</tr>
<tr>
<td>T.REX-XL</td>
<td>T.REX request-to-exit detector with tamper, piezoelectric buzzer and timer, white</td>
</tr>
<tr>
<td>T.REX-XL-NL</td>
<td>T.REX request-to-exit detector with tamper, piezoelectric buzzer and timer, white (unbranded)</td>
</tr>
<tr>
<td>T.REX-XL2</td>
<td>T.REX request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, white</td>
</tr>
<tr>
<td>T.REX-XL2-NL</td>
<td>T.REX request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, white (unbranded)</td>
</tr>
<tr>
<td>T.REX-XL2BLK</td>
<td>T.REX request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, black</td>
</tr>
</tbody>
</table>

#### Accessories:
- T.REX-PLATE Single-gang box mounting back plate, white

---

**Related Products**

- ExtraPass Software
- ioProx Readers
- Door Hardware Kit
- Kantech Door Controller Family
Exit Control Devices and Locks

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 ¾" latch projection and have a 1 ½" 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.

Software   Hardware  Services

T.Rex

Infrared Detection Zone

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.

Recommended locations include door header, wall or ceiling. Ensure clear line of sight from detector to every part of detection area. Do not place detector directly across from a window.

Ensure clear line of sight from detector to every part of detection area. Do not place detector directly across from a window.

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Ensure clear line of sight from detector to every part of detection area. Do not place detector directly across from a window.
Acting as the security management system (SMS), EntraPass can enable alarms from DSC intrusion detection systems to be fully integrated via the access control system. The interface(s) enable inputs from intrusion panels to be placed as icons on the EntraPass graphical maps user interface. This provides a single, graphical representation of the physical layout of intruder sensors and allows for central alarm monitoring of both access control and intrusion alarms via EntraPass. Using graphical maps, system operators can quickly identify an intrusion alarm and its exact location on site, allowing for fast response time. Combined with available CCTV integration, intrusion alarms can also be used to enable recorded video clips, creating one single, powerful user interface for access, intrusion and video.

Alarm Panel Integration

Features:
- Integration of EntraPass access control system and DSC intrusion systems
- Multiple panels supported – PowerSeries, PowerSeries NEO, MAXSYS
- Integrated virtual DSC keypad used to remotely arm/disarm DSC panels
  *Not available on NEO interface
- DSC panels and sensor locations represented on graphical maps
- DSC intrusion alarms reported instantly on EntraPass
- Modify alarm panel user codes to/from EntraPass
- Intrusion events can trigger video recordings for fully integrated access, video and intrusion security management

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
CBLK-ITV2 DSC PowerSeries Kantech NEO cable kit. Requires a DSC communication module TL-280

Related Products

ENTRA PASS
Security Management Software

KT-400 Four-Door Controller

Intevo Integrated Security Platform

DSC Alarm Panels
**Access Control Cables**

Reference Table

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Max Length</th>
<th>Belden Ref.</th>
<th>Alpha Ref.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ioProx Readers 5205, 5206, 5206/5, 5305 &amp; 5325P</td>
<td>300 m (1,000 ft)</td>
<td>0742</td>
<td>104C</td>
<td>3 twisted pairs, #22AWG, unshielded</td>
<td></td>
</tr>
<tr>
<td>R-300 ioProx Reader</td>
<td>150 m (500 ft)</td>
<td>5304UE</td>
<td>N/A</td>
<td>6 wire, stranded, #18AWG, unshielded</td>
<td></td>
</tr>
<tr>
<td>Multi-Technology Readers FS452R7 &amp; FS452P3R7</td>
<td>150 m (500 ft)</td>
<td>0634UE</td>
<td>N/A</td>
<td>6 wire, stranded, #18AWG, unshielded</td>
<td></td>
</tr>
<tr>
<td>ioProx Receiver &amp; Transmitters</td>
<td>150 m (500 ft)</td>
<td>9553</td>
<td>6428</td>
<td>3 twisted pairs, #18AWG, unshielded</td>
<td></td>
</tr>
<tr>
<td>ioProx Receivers</td>
<td>150 m (500 ft)</td>
<td>9554</td>
<td>6429</td>
<td>4 pairs, stranded, #18AWG, shielded (6), drain wire</td>
<td></td>
</tr>
<tr>
<td>ShadowProx &amp; Wiegand Readers</td>
<td>150 m (500 ft)</td>
<td>9553</td>
<td>6428</td>
<td>3 pairs, stranded, #18AWG, shielded (6), drain wire</td>
<td></td>
</tr>
<tr>
<td>HID Readers</td>
<td>150 m (500 ft)</td>
<td>9553</td>
<td>6428</td>
<td>3 pairs, stranded, #18AWG, shielded (6), drain wire</td>
<td></td>
</tr>
<tr>
<td>Bar Code Readers</td>
<td>150 m (500 ft)</td>
<td>9553</td>
<td>6428</td>
<td>3 pairs, stranded, #18AWG, shielded (6), drain wire</td>
<td></td>
</tr>
<tr>
<td>KP-2500, ES-KTP100SN</td>
<td>150 m (500 ft)</td>
<td>8486</td>
<td>1808/12C</td>
<td>12 conductors, stranded, #18AWG, unshielded</td>
<td></td>
</tr>
<tr>
<td>Feed Thru Contact</td>
<td>600 m (2,000 ft)</td>
<td>0794</td>
<td>1204</td>
<td>4 conductors, solid, #22AWG, unshielded</td>
<td></td>
</tr>
<tr>
<td>OT/UT-2000</td>
<td>300 m (1,000 ft)</td>
<td>9794</td>
<td>1204</td>
<td>4 conductors, solid, #22AWG, unshielded</td>
<td></td>
</tr>
<tr>
<td>RS-232 from EntraPass system to KT-1000/2000/3000</td>
<td>30 m (100 ft)</td>
<td>N/A</td>
<td>N/A</td>
<td>6 conductors, #24AWG, stranded flat telephone cable</td>
<td></td>
</tr>
<tr>
<td>AC Transformers to Kantech Products</td>
<td>8 m (25 ft)</td>
<td>9571</td>
<td>6601</td>
<td>2 conductors, solid, #18AWG, unshielded</td>
<td></td>
</tr>
<tr>
<td>Door Lock Power from KT-1000/2000/3000/4000 &amp; KT-1000/2000/3000/4000 &amp; KT-NCC Grounding</td>
<td>150 m (500 ft)</td>
<td>9571</td>
<td>6601</td>
<td>2 conductors, solid, #18AWG, unshielded</td>
<td></td>
</tr>
<tr>
<td>KT-1000/2000/3000/4000 &amp; KT-NCC Grounding</td>
<td>8 m (25 ft)</td>
<td>N/A</td>
<td>N/A</td>
<td>1 conductor, solid, #18AWG</td>
<td></td>
</tr>
</tbody>
</table>

**Cloud Security Services**

Outsourcing security to a Managed Services Provider (MSP) has never been easier. hattrix allows businesses to overcome significant pain points within their organizations such as infrastructure expense, limited access control knowledge, maintenance inefficiencies and manpower expense. With hattrix, 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 hattrix will translate into significant advantages in flexibility and scalability, while reducing the infrastructure and training costs compared with traditional systems.

hattrix is a powerful cloud-based access control solution utilizing the industry renowned EntraPass security management software.

**Software**

**Hardware**

**Services**

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**hattrix**

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.

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.

The hattrix 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, hattrix can give businesses a significant competitive edge.
Top 4 Benefits of Outsourcing Security

1. Improved Infrastructure. hattrix 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 on behalf of the customer. This includes ongoing scheduled backups, full redundancy and data security.

4. Lower Manpower Expense. hattrix 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.
For more information on the products featured here or on any other Kantech products please call 1.800.507.6268 Toll-free in US & Canada

E-mail us at kantechsales@tycoint.com
Or contact your Kantech Account Representative

Please visit us at www.kantech.com

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