

Entrapass Corporate Edition High-Performance Access Control Solution

Features That Make a Difference¹:

- Supports up to 20 workstations and controls thousands of doors
- Operates securely over a network using either Kantech IP Link with KT-100 and KT-300 controllers or the Ethernet-ready KT-400 controller
- Create multiple cards per user for more efficient card management
- Entrapass workspaces let you control what operators can see based on user privileges
- Manage your system remotely with Entrapass WebStation
- Embed DVRs, IP cameras, web pages, or network files into Entrapass using WebViews
- Eight operator-configurable desktops with unlimited interactive floor plans provide a highly customized experience for each workstation
- Interface with paging systems, HVAC systems, and more with innovative SmartLink feature
- SmartLink Task Commander automates system tasks
- Integrated badging solution
- Elevator control for up to 64 floors per elevator
- Optional redundancy server ensures that critical data is available even in the event of server communication failure
- Card Gateway allows for real-time card management with third party databases (Oracle/MS SQL)
- Full integration with DSC PowerSeries alarm panels
- Time and attendance and roll call reporting
- Integrates with Kantech Telephone Entry System
- Integrates with American Dynamics HDVR and Intellex Digital Video Management Systems

Kantech Entrapass Corporate Edition is a powerful, multi-user access control system that adapts easily to meet the needs of growing businesses, allowing you to manage one building or access multiple remote sites from a network.

Entrapass Corporate Edition is extremely easy to install. Express Setup automatically defines all the necessary system components which reduces the time required to configure the system and eliminates programming errors.

Entrapass Corporate Edition's distributed architecture supports connections to remote sites using direct connections, dial-up modems, and TCP/IP communication. TCP/IP communication is accomplished using KT-100, KT-200, and KT-300 controllers using Kantech IP Link, or KT-400 Ethernet-ready four-door controller with an onboard Ethernet port. Both Kantech IP Link and KT-400 provide secure communication to the Entrapass

system via 128-bit AES-encryption. All communication is sent over the network only when required, keeping network traffic down to a minimum.

Integration with American Dynamics HDVR and Intellex digital video management systems dramatically increases security by allowing visual observations of monitored areas. It also allows security personnel to link an access control event to a video clip directly from their access control application.

Entrapass Corporate Edition also integrates with the Kantech Telephone Entry System to bring you an access control solution with telephone entry access capabilities. A simplified version of the Entrapass software is included which allows for fast configuration and firmware upgrades, live transaction monitoring, and system backup. For more information, refer to the Kantech Telephone Entry System data sheet.

Note:
(1) All of the features of Entrapass listed on this data sheet are available with software version 4.04 and higher

features

Network Ready

EntraPass Corporate Edition supports Kantech IP Link, which provides a secure and affordable way to manage your access control system over a network using KT-100 and KT-300 door controllers. Kantech IP link manages polling of these door controllers and communicates with EntraPass Corporate Edition only when an event has occurred. This significantly reduces the amount of bandwidth required. Kantech IP Link uses 128-bit AES encryption to communicate with EntraPass to ensure secure communication when used over the Internet.

In addition, EntraPass supports the KT-400 Ethernet-ready four-door controller that provides 128-bit AES-encrypted communication. With an onboard Ethernet port, you do not need to purchase an external IP device to connect to the network.

Simplified and Improved System Management

EntraPass workspaces provide customized views of the EntraPass system based on an operator's access privileges. Each workspace is created and defined in terms of devices – gateways, sites, doors, relays, etc. – and is configured to identify what areas of the EntraPass system the operator can access and view, such as desktop display, card fields, etc. Workspaces let you create different views of the EntraPass system that can be saved and applied to any operator.

An operator can further create and refine views to filter additional components that are not necessary for day-to-day operation. The operator can create, save, and reuse temporary workspaces. This is useful whenever a recurring operation is needed on the system such as creating reports.

You can assign up to five cards to any employee to avoid having to create five different entries in EntraPass. Access levels can also be applied at this time to ensure cardholders have access only to authorized areas.

Manage Your System Remotely

Easily manage your system over the Internet using the EntraPass WebStation. The web interface provides remote access to create, modify, and delete cardholders; and to export cardholder lists without the use of additional workstations. You can assign an access level to cardholders, manage access levels and schedules, manually operate doors, relays, and inputs, view last card transactions, receive reports securely by email, view live events in real-time or export in csv format and integrate and display live video from IP cameras, DVRs, etc. using WebViews.

In addition, using the EntraPass vocabulary editor, you can translate the WebStation into any foreign language. For convenience, EntraPass WebStation defaults to English and French.

SmartLink for Advanced System Integration and Automation

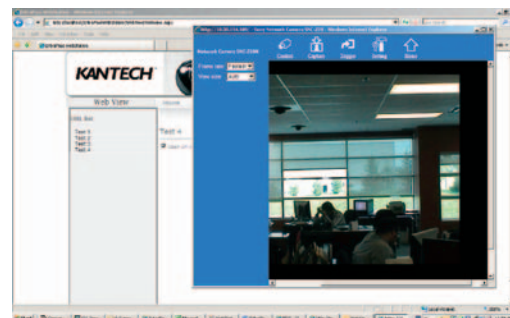
SmartLink allows you to integrate any third party application or database with EntraPass. SmartLink uses built-in macros to help you design the most commonly requested integrated applications such as CCTV multiplexers, paging systems, HVAC systems, etc., by using an RS-232 or network connection between the system and the third-party device. For advanced system integration, SmartLink enables communication with software applications such as time and attendance, badging, human resource management, student registration, and more through Ethernet, TCP/IP, an RS-232 port, API, or with DLLs. This allows complete and real-time data exchange between systems, eliminating duplicate data entry.

With the addition of the SmartLink Task Commander, EntraPass reaches new levels in task automation. Using the powerful functionality of the task builder, a series of tasks, similar to macros, are created and can be triggered on any event and component in the system. When an event occurs, the tasks are then executed by the system. You can even manually activate these specific tasks directly from the interactive floor plans in EntraPass.

The SmartLink Task Commander with the addition of the toggle functionality can be used to create a task that can turn on/shut off lights and lock/unlock doors, relays, or inputs and perform other specific actions based on the identity of the cardholder. For example, a customer operating a storage facility can open specific storage room doors when they swipe a card at the main entrance door. Furthermore multiple cards can be expired, enabled and disabled on any event.

WebViews Provide An Enhanced Operator Experience

Graphical layouts can enhance your EntraPass experience. You can integrate embedded DVRs, IP cameras, web pages, or network files into the desktop. For example, add a IP camera view or a geographical map with objects, such as doors and cameras, directly onto the map for a visual representation of objects in various locations across the world. This gives you the ability to combine multiple technologies into one consolidated view.



take a closer look

The Benefits of Video Integration

Integration with an American Dynamics Intellex digital video management system or HDVR provides real-time video monitoring as well as video playback of critical access events. Video can be linked to access control events and recorded from different Intellex systems simultaneously. Presets, sequences, dome control, and 1x1, 2x2, 3x3, and 4x4 views are available through the EntraPass software. View up to 48 cameras simultaneously using 3 WebViews. All cameras can be called up directly from a floor plan simply by double-clicking on the camera or dome icon.

EntraPass Video Vault

Installed on your network, the optional EntraPass Video Vault offers an alternative to manually saving each video clip one by one. Simply pre-define groups for your video clips (such as door forced or rejected card) and EntraPass Video Vault saves them to the appropriate group based on whatever schedules you choose.

Redundancy Server

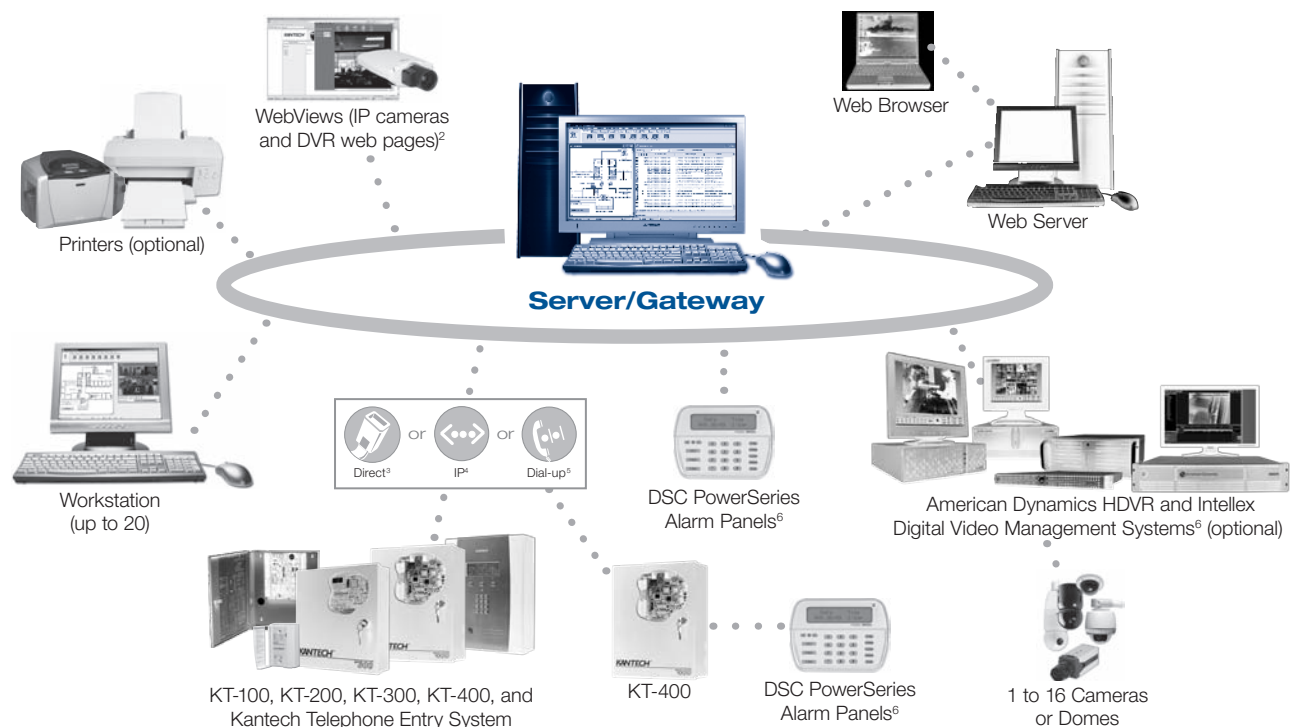
EntraPass Corporate Edition offers an optional redundancy server with a mirror database to monitor all data activity on your primary EntraPass server and creates a real-time copy of the system database. In the event of primary server failure, the mirror database automatically launches the redundancy server which supports all the features and functionality of the primary server. Once the primary server returns online, all archives are merged and/or the entire database is copied from the redundancy server, without interrupting system operation.

Full Integration With DSC PowerSeries Alarm Panels



Connect your KT-400 controller or corporate gateway to DSC PowerSeries alarm panel to receive intrusion events, view the status of zones, and manage partitions and user codes. In addition you can arm/disarm single/multiple partitions via reader (KT-400 only) or manual operation.

Basic System Diagram



(2) A variety of video products have been tested successfully using WebViews. For a complete list, contact Kantech sales
(3) Direct: using RS-232 or RS-485 with USB-485 or VC-485 converter, KT-100 using RS-485 with converter
(4) IP using Kantech IP Link or KT-400 Ethernet controller
(5) Dial-up: KT-300 only, using RS-232 serial modem at remote site (KT-100 must be connected to KT-300 or KT-400)
(6) See Integration Capabilities (in the "Specifications" section below) for more information

Recommended Computer Requirements for EntraPass Server

| | |
|--|---|
| Processor (without video integration) | Dual Core. Compatible with Windows 7 in 32 and 64-bit Versions |
| Processor (with video integration) | Intel Core™2 Quad Processor Q9400 (6M Cache, 2.66 GHz, 1333 MHz FSB) |
| RAM | 2 GB |
| Free Hard Disk Space for Software | 20 GB (30 GB with video integration) |
| Color Depth | 24-bit (16 million colors), required for video integration only |
| Screen Resolution | 1024 x 768 |
| Graphic Adapter Card (without video integration) | AGP or PCI Express 8X graphics card with 64 MB memory and DirectX 9.0 support |
| Graphic Adapter Card (with video integration) | NVS 295 or equivalent |
| DVD/CD-ROM Drive | 48x |
| Network Interface Card | 10/100Base-T (Gigabit or greater with video integration) |
| Operating System Compatibility | Windows XP Pro, Server 2003, Server 2008, Vista and Windows 7 Pro 32 and 64-bit with their latest Service Packs |

EntraPass Corporate Edition System Capacities

| | |
|-----------------------------------|--|
| Cards | Unlimited |
| Card Families or Site Codes | Unlimited |
| Door Controllers | 17,408 per gateway |
| Card Readers/Keypad | |
| KT-300 | 34,816 per gateway |
| KT-400 | 69,632 per gateway |
| Monitored Points (Inputs) | |
| KT-300 | 278,528 per gateway |
| KT-400 | 4,456,448 per gateway |
| Auxiliary Outputs for Reader | |
| LEDs and Door Alarms | 69,632 (KT-300) |
| Elevator Floors per Cab | 64 |
| Card User Access Levels | 250 per site |
| Access Level Combinations | Unlimited |
| Schedules of Four Time Zones Each | 100/site |
| Holidays | 366 per system |
| Operator Workstations | 20 + 1 |
| Concurrent Webstation Logins | 4 |
| Gateways | 41 |
| System Operator Passwords | Unlimited |
| Operator Security Levels | Unlimited, pre-defined (3) |
| Concurrent System Languages | Two |
| Number of Printers | One log printer, one report printer, and one badge printer per workstation |
| Serial Port / USB | Max. 32 per gateway |
| Remote Sites | Max. 512 per gateway |

Integration Capabilities

| | |
|-----------|---|
| Intrusion | DSC Alarm Panels (PC1616, PC1832, PC1864) |
| Video | American Dynamics HDVR. American Dynamics Intellex Digital Video Management Systems. Intellex Ultra, DVMS and IP all require software v3.1 or higher, Intellex LT requires software v2.6 or higher. |

Model Numbers

Each EntraPass Corporate Edition software package includes: two additional workstation licenses, one server/workstation license, one gateway license and one WebStation license

Software

| | |
|-----------------|--|
| E-COR-XX-V4 | EntraPass Corporate Edition v4.xx software and manual only |
| E-COR-V4 | EntraPass Corporate Edition v4.xx software only |
| E-COR-UPG-XX-V4 | EntraPass Corporate Edition upgrade from v3.xx to v4.xx software and manual only |
| E-COR-UPG-V4 | EntraPass Corporate Edition upgrade from v3.xx to v4.xx software only |

Additional Gateway and Workstation Licenses

| | |
|-----------|---|
| E-COR-WS1 | EntraPass Corporate Edition, license for 1 additional workstations (v3.xx and higher) |
| E-COR-WS6 | EntraPass Corporate Edition, license for 6 additional workstations (v3.xx and higher) |
| E-COR-COM | EntraPass Corporate Edition, license for 40 additional gateways (v3.xx and higher) |

Options

| | |
|-------------|--|
| E-COR-RDN | EntraPass Corporate Edition option, license for 1 Redundancy Server (v3.xx and higher) |
| E-COR-SQL | EntraPass Corporate Edition option, license for 1 Card Gateway (Oracle/MS SQL HR interface) (v3.xx and higher) |
| E-COR-WM | EntraPass Corporate Edition option, license for 1 EntraPass Video Vault (v3.xx and higher) |
| E-COR-WEB-1 | EntraPass Corporate Edition option, license for 1 concurrent WebStation (v4.xx and higher) |
| E-COR-WEB-3 | EntraPass Corporate Edition option, license for 3 concurrent WebStations (v4.xx and higher) |

KAP (Kantech Advantage Program)

| | |
|--------------|--|
| E-COR-KTK-1 | Kantech token for EntraPass Corporate Edition (1) |
| E-COR-KTK-2 | Kantech token for EntraPass Corporate Edition (2) |
| E-COR-KTK-3 | Kantech token for EntraPass Corporate Edition (3) |
| E-COR-KTK-5 | Kantech token for EntraPass Corporate Edition (5) |
| E-COR-KTK-10 | Kantech token for EntraPass Corporate Edition (10) |

Manuals

| | |
|--------------|------------------------------------|
| E-COR-MAN-XX | EntraPass Corporate Edition manual |
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Note: XX in model number denotes language of manual: EN (English), FR (French), SP (Spanish)

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