

## EntraPass Global Edition Powerful Multi-User Access Control System

### Features That Make a Difference:

- Supports up to 128 workstations and controls thousands of doors
- Supports KT-NCC for extremely reliable global functionality when used with the KT-100, KT-300, and KT-400 door controllers<sup>1</sup>
- Supports 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
- 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
- Integrates with American Dynamics Intellex® digital video management systems to display live video, play back recorded video, dispatch, log, and locally save recorded event video<sup>2</sup>
- Integrates with the Kantech Telephone Entry System for an access control system with telephone entry capabilities
- Interfaces with paging systems, HVAC systems, and more with innovative SmartLink feature
- SmartLink Task Commander automates system tasks
- 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)
- Virtual keypad to configure and operate DSC® PowerSeries alarm panels
- Time and attendance and roll call reporting

Kantech EntraPass Global Edition is a powerful, network-ready system that accommodates widely-dispersed applications with an unlimited number of users, controls thousands of card readers, and allows you to simultaneously access the system from up to 128 workstations connected to the network.

EntraPass Global Edition supports the Kantech KT-NCC<sup>3</sup> network communication controller which improves system reliability by removing a layer of computers from the decision-making process. KT-NCC manages communication from EntraPass to any of the Kantech controllers as well as administers global features such as anti-passback, alarm systems, guard tours, and secondary access levels.

EntraPass Global Edition's distributed architecture supports connections to remote sites using direct connections, dial-up modems, and TCP/IP communication with KT-100, KT-200, and KT-300 controllers (with Corporate Gateway) using Kantech IP Link, or KT-400 Ethernet-ready four-door controller

with an onboard Ethernet port. Both 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.

Video integration between EntraPass and American Dynamics Intellex digital video management systems dramatically increases security by linking access control events, such as "door forced open", to a video clip directly from the access control application.

EntraPass Global 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 with each Kantech Telephone Entry System 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: Features available with v4.02

(1) Windows® NCC Gateway compatible

(2) Requires software v3.1 or higher for Intellex Ultra, Ultra, DVMS, and IP; v2.6 or higher for Intellex LT

(3) Compatible with EntraPass Global v3.17 and higher

# features

## Powerful and Reliable Global Security

EntraPass Global Edition supports the extremely dependable KT-NCC when used with the KT-100, KT-300, and KT-400 door controllers, making your access control system easier to manage, easier to expand, and much more reliable. Now, instead of relying on a computer for communication between the controllers and EntraPass server, KT-NCC is in control, storing all events from the controllers.

The IT-friendly KT-NCC easily connects to your existing network with an onboard Ethernet port and communicates with any of the Kantech controllers, making it a very powerful way to expand an EntraPass Global Edition system. KT-NCC supports 128 controllers in the following ways:

- One RS-232 loop with 32 controllers
- Two RS-485 loops with 32 controllers each (total 64)
- Four IP loops using Lantronix with eight controllers per loop (total 32)

KT-NCC provides seven LED modes for quick assessment of system status, such as loss of communication, start up, etc. A battery backup eliminates the need for a universal power supply (UPS) and ensures continual operation. New functionality can be flashed directly from the EntraPass server to each KT-NCC. For more information on KT-NCC, refer to the KT-NCC data sheet.

## Global Security Features

EntraPass Global Edition is ideal for widely-dispersed applications that require a higher level of security. For example, global anti-passback helps you prevent a cardholder from passing back his or her card to a second person to gain entry into a secured area, regardless of whether those areas are in close proximity or far apart. In addition, powerful alarm partitioning lets you divide an area protected by the EntraPass system into as many as 100 partitions per gateway and individualize the alarm parameters for each.

EntraPass Global Edition and KT-NCC also enable you to control clearances globally. For example, a worker with temporary access to one part of the building or campus will lose access once the authorized clearance duration has passed.

EntraPass also provides greater security and protection using muster reports. Mustering is critical for emergency situations where it is crucial to evacuate a building as quickly as possible. You can print a list of personnel in a predefined group of areas to determine who is present and if the area is secure when an alarm or event is triggered. Mustering also includes a parking management function which notifies users when a parking area is exceeding its capacity and restricts access to the area.

## Simplified and Improved System Management

EntraPass Global Edition workspaces provide customized views of the 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 enable you to create different views of the EntraPass system that can be saved and applied to any user.

You can assign up to five cards to any single 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. This function is also available when using EntraPass WebStation.

## Manage Your System Remotely

Easily manage your system over the Internet using the EntraPass WebStation. The optional web interface provides remote access to create, modify, and delete cardholders without installing and maintaining additional workstations. You can assign primary and secondary access levels to cardholders, manually operate doors, relays, and inputs, view last card transactions, receive reports securely by email, and integrate and display live video from IP cameras, DVRs, etc. using WebViews.

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

## SmartLink for Advanced System Integration and Automation

SmartLink is an application that enables any third party application or database to automatically interact with the EntraPass system. SmartLink uses built-in macros to help you integrate applications such as CCTV multiplexers, paging systems, automated e-mails, 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 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.

# take a closer look

## The Benefits of Video Integration

Integration with an American Dynamics Intellex digital video management system 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.

## EntraPass Video Vault

Installed on your network, the optional 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 Video Vault saves them to the appropriate group based on whatever schedules you choose.

## Redundancy Server

An optional redundancy server with a mirror database monitors 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 merged/copied from the redundancy server.

## Virtual Keypad for DSC PowerSeries Alarm Panels



As part of the EntraPass workstation, you can communicate with DSC PowerSeries alarm panels using a virtual keypad. The keypad makes it easy for you to arm and disarm the panels as well as configure in the same way as if it were an actual physical keypad - all from the EntraPass GUI.

## Model Numbers<sup>4</sup>

### EntraPass Global Edition package includes:

License for EntraPass Global Edition software enables one server workstation, four additional workstations, and one Global Gateway (Windows NCC) license.

- E-GLO-EN-V4 . . . . .EntraPass Global Edition v4.x software - English
- E-GLO-FR-V4 . . . . .EntraPass Global Edition v4.x software - French
- E-GLO-MAN-EN . . . . .EntraPass Global Edition v4.x English manual
- E-GLO-MAN-FR . . . . .EntraPass Global Edition v4.x French manual

### Accessories

- E-GLO-WS1 . . . . .One additional workstation license for EntraPass Global Edition v3.0 and higher
- E-GLO-WS8 . . . . .Eight additional workstation licenses for EntraPass Global Edition v3.0 and higher
- E-GLO-RDN . . . . .Redundancy server license for EntraPass Global Edition v3.0 and higher
- E-GLO-SQL . . . . .Card Gateway license for EntraPass Global Edition v3.0 and higher
- E-GLO-CORCOM . . . . .Forty Corporate Gateway licenses for EntraPass Global Edition v3.0 and higher
- E-GLO-COM-WIN . . . . .Sixteen additional Global Gateway licenses (Windows NCC) for EntraPass Global Edition v3.0 and higher
- E-GLO-UPG-EN-V4 . . . . .Upgrade for EntraPass Global Edition from v3.x to v4.x with English manual
- E-GLO-UPG-FR-V4 . . . . .Upgrade for EntraPass Global Edition from v3.x to v4.x with French manual
- E-GLO-VVM . . . . .Video Vault license for EntraPass Global Edition v3.0 and higher
- E-GLO-WEB-1 . . . . .One concurrent EntraPass WebStation connection license for EntraPass Global Edition v4.x
- E-GLO-WEB-3 . . . . .Three concurrent EntraPass WebStation connection licenses for EntraPass Global Edition v4.x
- E-GLO-KTK-1 . . . . .One Kantech token for EntraPass Global Edition
- E-GLO-KTK-2 . . . . .Two Kantech tokens for EntraPass Global Edition
- E-GLO-KTK-3 . . . . .Three Kantech tokens for EntraPass Global Edition
- E-GLO-KTK-5 . . . . .Five Kantech tokens for EntraPass Global Edition
- E-GLO-KTK-10 . . . . .Ten Kantech tokens for EntraPass Global Edition
- E-GLO-KTK-20 . . . . .Twenty Kantech tokens for EntraPass Global Edition

### KT-NCC

- KT-NCC . . . . .KT-NCC includes: black metal cabinet (KT-NCC-CAB) and accessory kit (KT-NCC-ACC) with lock (KT-LOCK) and tamper switch (KT-TAMPER), compatible with EntraPass Global Edition v3.18 and higher
- KT-NCC-PCB . . . . .KT-NCC PCB only, includes: accessory kit (KT-NCC-ACC), battery and ground cables, hardware to affix the wire and the PCB

### Accessories

- KT-NCC-ACC . . . . .Accessory kit for KT-NCC includes: four 120 ohms end-of-line resistors, RS-232 to VC-485 flat cable with RJ-12 male connectors, and screwdriver
- KT-NCC-CAB . . . . .Black metal cabinet for KT-NCC, includes KT-LOCK and ground cable
- KT-LOCK . . . . .Lock for KT-NCC-CAB, KT-300CAB and KT-4051CAB metal cabinets, and two keys
- KT-TAMPER . . . . .Tamper switch for KT-NCC-CAB, KT-300CAB and KT-4051CAB metal cabinets

(4) Contact Sales for the most current EntraPass version

### System Capacities

Cards per Gateway (Online)	Unlimited
Card Families or Site Codes	Unlimited
Global Gateways	128
Corporate Gateways	40
Elevator Floors per Cab	64 (KT-300 and KT-400)
Card User Access Levels	250 per site/gateway
Access Level Combination	Unlimited
Operator Workstations	128 workstations
System Operator Passwords	Unlimited
Operator Security Levels	Unlimited, pre-defined (3)
Concurrent System Languages	2

#### Per Global Gateway

Loops per Global Gateway	32
Door Controllers	1,024
Card Readers/Keypads	
KT-300	2,048
KT-400	4,096
Monitored Points (Inputs)	
KT-300	Up to 16,384
KT-400	Up to 262,144

#### Auxiliary Outputs for Reader

LEDs and Door Alarms	
KT-300	Up to 4,096
KT-400	Up to 8,192
Schedules of Four Time Zones	100/gateway
Holidays	366/gateway

#### Per Corporate Gateway

Loops per Corporate Gateway	544
Door Controllers	17,408

#### Card Readers/Keypads

KT-300	34,816
KT-400	69,632

#### Monitored Points (Inputs)

KT-300	278,528
KT-400	4,456,448

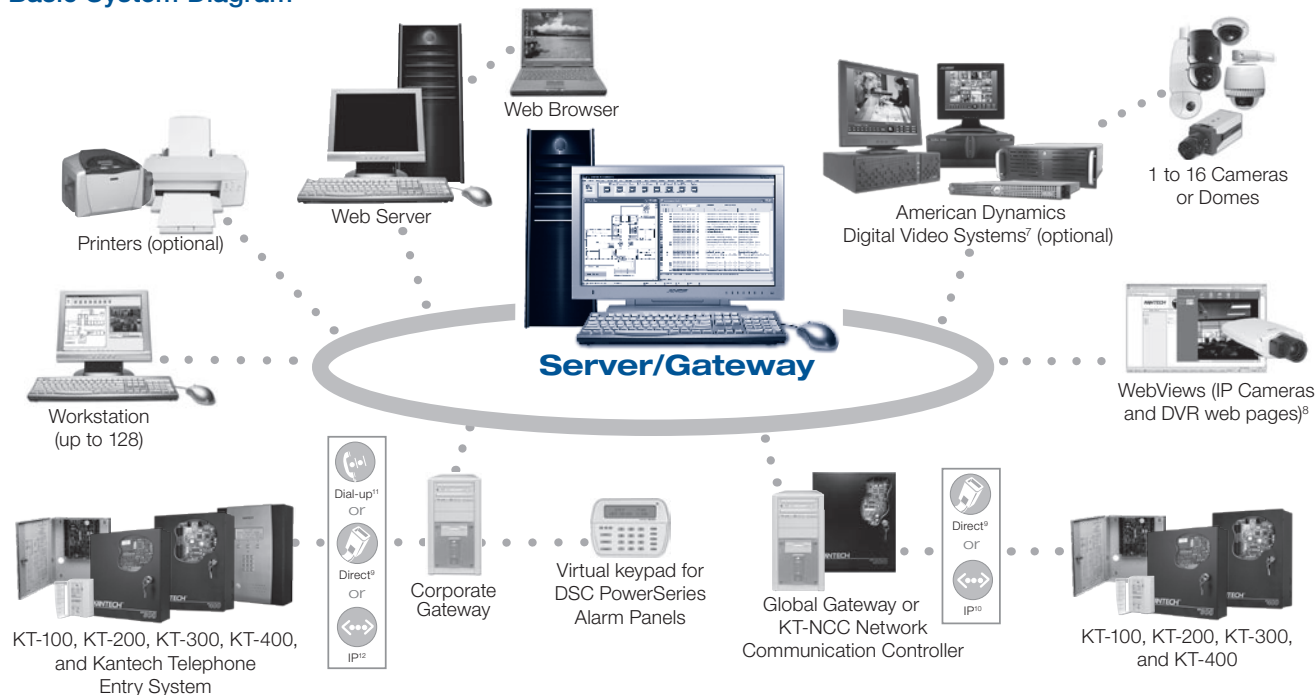
#### Auxiliary Outputs for Reader

LEDs and Door Alarms	
KT-300	Up to 69,632
KT-400	Up to 278,528
Schedules of Four Time Zones	100/site
Holidays	366/site

### Recommended Computer Requirements for EntraPass Server<sup>5</sup>

Processor	Pentium® IV, 1.8 GHz
RAM	1 GB
Free Hard Disk Space	
Required for Software	20 GB
Screen Resolution	1024 x 768
Graphic Adaptor Card	32 MB
Color Depth	24-bit (16 million colors), required for video integration only
DVD/CD-ROM Drive	48x
Network Interface Card	10/100Base-T
Operating System Compatibility	Windows® 2000, XP Pro, XP Pro Service Pack 2, 2003 Standard or Enterprise Server, Windows Server 2008, Windows Vista <sup>6</sup> running in 32-bit mode

### Basic System Diagram



(5) Actual requirements may vary based on your operating system and configuration. For Vista operating system or video integration, a dual-core processor and 2 GB RAM is highly recommended.

(6) Windows Vista Home does not support EntraPass WebStation

(7) Requires software v3.1 or higher for Intellex Ultra, DVMS, and IP and v2.6 or higher for Intellex LT

(8) Many different video products have been tested successfully using WebViews - for an updated list please contact your sales representative

(9) Direct: using RS-232 or RS-485 with USB-485 or VC-485 converter, KT-100 using RS-485 with converter

(10) IP under Global Gateways using Lantronix Universal Device

(11) Dial-up: KT-300 only, using RS-232 serial modem at remote site (KT-100 needs to be connected to a KT-300 or KT-400)

(12) IP using Kantech IP Link or KT-400 Ethernet controller

Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

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