

Kantech EntraPass Global Edition is a powerful multi-user access control system that provides the security features required in demanding and widely-dispersed applications such as universities, multi-site corporations, hospitals, and industrial facilities.

EntraPass Global Edition supports the Kantech KT-NCC<sup>3</sup> network communication controller which improves system reliability by removing a layer of PCs from the decisionmaking process. The KT-NCC manages communication from EntraPass software to the controllers as well as administers global features such as anti-passback, alarm systems, guard tours, and secondary access levels. All events from the controllers are stored in the KT-NCC for additional security in the event of a communication failure between the controllers and the server.

Kantech IP Link provides a secure and affordable way to manage your access control system over a network. The IP link manages polling of door controllers and communicates with EntraPass Global Edition (using a Corporate Gateway) only when an event has occurred. This significantly reduces the amount of bandwidth required for your customers to manage their access control system over a network. IP Link uses 128-bit AES encryption to communicate with the system which ensures secure communication when used over the Internet.

(1) Windows® NCC Gateway compatible

(2) Requires v3.1 or higher for Intellex Ultra, DVMS, and IP, v2.6 or higher for Intellex LT, and EDVR v1.53

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

## EntraPass Global Edition

### Powerful Multi-User Access Control System

#### Features

- Supports up to 128 workstations and controls thousands of doors
- Supports KT-NCC for extremely reliable global functionality<sup>1</sup>
- Supports Kantech™ IP Link which provides a secure IP solution to operate your access control system more efficiently and securely over a network
- EntraPass workspaces let you control what operators can see based on user privileges
- Update card records quickly and securely with the new EntraPass WebStation
- Integrates with American Dynamics™ digital video management systems<sup>2</sup>
- 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
- Network-ready architecture lets you easily manage sites remotely
- Redundancy server and Card Gateway (Oracle/MS SQL HR interface) ensure that critical data is secure even in the event of communication failure (optional)
- Supports remote management from central monitoring stations (Managed Access Control)
- EntraPass Video Vault provides powerful, first-of-its-kind video archiving within the access control system (optional)



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# EntraPass Global Edition

Video integration between EntraPass and American Dynamics Intellex® Digital Video Management System and American Dynamics EDVR Digital Video Recorder dramatically increases security by linking access control events, such as “door forced open”, to a video clip directly from the access control application.

The powerful, network-ready EntraPass Global Edition accommodates an unlimited number of users, controls thousands of card readers, and allows users to simultaneously access the system from up to 128 workstations connected to the network.

## Powerful and Reliable Global Security with Embedded Network Communication Controller

EntraPass Global Edition supports the extremely dependable KT-NCC, which removes a layer of PCs from the equation, making your access control system easier to manage, easier to expand, and much more reliable. Now, instead of relying on a PC for communication between the controllers and EntraPass server, the KT-NCC panel is in control, storing all events from the controllers.

The IT-friendly KT-NCC easily connects to your existing network with an on-board Ethernet connection and communicates with any of the controllers in the Kantech portfolio, making it a very powerful way to expand an EntraPass Global Edition system. The 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 universal power supply (UPS) and ensures continual operation.

Along with EntraPass Global Edition, the KT-NCC is designed to grow as your business grows, allowing new functionality to be flashed directly from the EntraPass server to each KT-NCC.

## Global Security Features

Coupled with KT-NCC’s reliable architecture, the global security functionality of EntraPass Global Edition is ideal for widely-dispersed applications that require a higher level of security. For example, global anti-passback helps customers prevent a cardholder from passing back his or her card to a second person to gain entry into an access-controlled 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. Another important requirement in widely dispersed environments is the ability to control clearances globally. The reliable and powerful EntraPass Global Edition and KT-NCC ensure accurate expiration of secondary access levels so that a worker with temporary access to one part of the building or campus loses access once the authorized clearance duration has passed.

EntraPass also provides greater security and protection using muster reports where 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 is critical for emergency situations where it is crucial to evacuate a building as quickly as possible. Muster Reports also include a parking management function, which notifies users when a parking area is exceeding its capacity and disallows access to the area.

## Simplify and Improve 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 enable you to create different views of the EntraPass system that can be saved and applied to any user.



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## Manage Card Records Remotely

Easily manage card records over the web using the EntraPass WebStation. The optional web interface provides remote access to create, modify, and delete card records without installing and maintaining additional workstations.

## The Benefits of Video Integration

Integration with an American Dynamics Intellex Digital Video Management System provides real-time video monitoring as well as video play back 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. All cameras can be called up directly from a floor plan simply by double-clicking on the camera or dome icon. Or, choose the American Dynamics EDVR which provides your customers with an integrated video solution with a solid feature set at an economical price without compromising video quality.

## 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. You can also pre-designate which file type you want video clips saved as – .KVI, .KVA, .IMG, or .AVI – and whether these files, if .KVI or .KVA, are assigned password protection. You can also organize your video clips using thumbnail .BMP images in lieu of icons.

## SmartLink for Simple and Advanced System Integration

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 design the most commonly requested integrated 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, an RS-232 port, API or with DLLs. This allows complete and real-time data exchange between systems, eliminating duplicate data entry.

## Redundancy Server

EntraPass Global 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.

## Managed Access Control

With the addition of account management, EntraPass WebStation, and Kantech IP Link support, EntraPass now provides a high-performing Managed Access Control solution ideal for central monitoring stations seeking a cost-effective option to offer to their commercial customers.

EntraPass supports the range of advanced solutions that central monitoring stations offer including access control, video surveillance, intrusion detection, and security management (guard tours, remote video management, video/alarm verification). With these advanced features, the Kantech EntraPass solution readily provides tremendous performance and value to monitoring stations and their customers.



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# EntraPass™ Global Edition

## Model Numbers

EntraPass Global Edition package includes:

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

E-GLO-EN-V4	EntraPass Global Edition v4.0 software - English
E-GLO-FR-V4	EntraPass Global Edition v4.0 software - French

## Accessories

E-GLO-WS 1	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	40 Corporate Gateway licenses for EntraPass Global Edition v3.0 and higher
E-GLO-COM-WIN	16 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 v4.0 with English manual
E-GLO-VVM	Video Vault license for EntraPass Global Edition v3.0 and higher
E-GLO-MAC	Account Management (Managed Access Control) license for EntraPass Global Edition
E-GLO-WEB-1	One concurrent EntraPass WebStation connection license for EntraPass Global Edition v4.0
E-GLO-WEB-3	Three concurrent EntraPass WebStation connection licenses for EntraPass Global Edition v4.0

## System Capacities

Cards per Gateway (Online)	Unlimited
Cards per Global Gateway (Stand-alone)	Up to 56,000
Card Families or Site Codes	Unlimited
Global Gateways	128
Loops per Gateway	32
Corporate Gateways	40
Sites (loops) per Gateway	544
Elevator Floors per Cab per Gateway	64 (KT-300/KT-PC42 16)
Card User Access Levels	250 per site
Access Level Combination	Unlimited
Operator Workstations	128
System Operator Passwords	Unlimited
Operator Security Levels	Unlimited, pre-defined (3)
Concurrent Operator Languages	Two
Number of Printers	One per workstation

### Global Gateway

Door Controllers	1,024
Card Readers/Keypads	2,048
Monitored Points (Inputs)	Up to 16,384
Auxiliary Outputs for Reader	
LEDs and Door Alarms	Up to 4,096
Schedules of Four Time Zones	
	100/gateway
Holidays	366/gateway

### Corporate Gateway

Door Controllers	17,408
Card Readers/Keypads	34,816
Monitored Points (Inputs)	278,528
Auxiliary Outputs for Reader	
LEDs and Door Alarms	Up to 69,632
Schedules of Four Time Zones	
	100/site
Holidays	366/site



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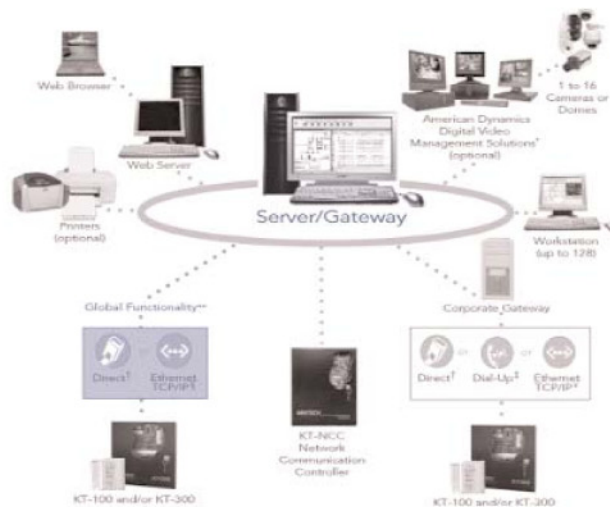
# EntraPass™ Global Edition

## Recommended Computer Requirements for EntraPass Server<sup>10</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
Colour Depth	24-Bit ( 16 million colours), required for video integration only
DVD/CD-ROM Drive	48x
Network Interface Card	10/100Base-T
Operating System Compatibility	Windows® 2000, XP, 2003 Standard or Enterprise server, Windows Vista® <sup>11</sup>

## Basic System Diagram

The EntraPass Global Edition system architecture supports connections to remote sites using TCP/IP (with Kantech IP Link) and dial-up modems (using Corporate Gateway). It is a multi-workstation solution that accommodates an unlimited number of users, controls up to 2,048 card readers per Global Gateway, 256 card readers per KT-NCC, and allows operators to simultaneously access the system from up to 128 workstations connected to the network. EntraPass Global Edition is compatible with Kantech's complete line of door controllers which can be configured with up to 32 controllers per loop and 1,024



4) Windows® NCC Gateway compatible

(5) Requires v3.1 or higher for Intellex Ultra, DVMS, and IP, v2.6 or higher for Intellex LT, and EDVR v1.53

(6) Direct: KT-300 via RS-232 or RS-485 with USB-485 or VC-485 converter; KT-100 via RS-485 with USB-485 or VC-485 converter

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

(8) Ethernet TCP/IP (Global Functionality): using Lantronix Universal Device (KT-100 also requires VC-485 converter)

(9) Ethernet TCP/IP (via Corporate Gateway): using Kantech IP Link (KT-100 also requires VC-485 converter)

(10) Actual requirements may vary based on your operating system and configuration.

(11) Video functionalities are not supported with Windows Vista



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