

EntraPass™ Global Edition

Features that make a difference:

- Supports up to 128 workstations and controls thousands of doors
- Support for KT-NCC (Network Communication Controller) provides extremely reliable global functionality¹
- Link access and video events through solid integration with American Dynamics Intellex® Digital Video Management Systems²
- 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 your critical data is secure even in the event of communication failure (optional)
- EntraPass Video Vault™ provides powerful, first-of-its-kind video archiving within the access control system (optional)

¹ Windows® NCC Gateway compatible

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

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 new Kantech KT-NCC network communication controller which improves system reliability by removing a layer of PCs from the decision-making process. The KT-NCC manages communication from the 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.

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.

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.

features

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. Unlike a PC, the KT-NCC has no moving parts that can wear out or fail, which greatly reduces the likelihood of lost data in the event of a communication failure between the controllers and server.

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:

- 1 RS-232 loop with 32 controllers
- 2 RS-485 loops with 32 controllers each (total 64)
- 4 IP loops using Lantronix with 8 controllers per loop (total 32)

The 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 the 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 one. Another important requirement in widely dispersed

environments is the ability to control clearances globally. The reliable and powerful EntraPass Global Edition and KT-NCC ensures 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.

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 events and recorded from different Intellex units 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.

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 will save 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

EntraPass Global Edition offers SmartLink, 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 redundant data entry.

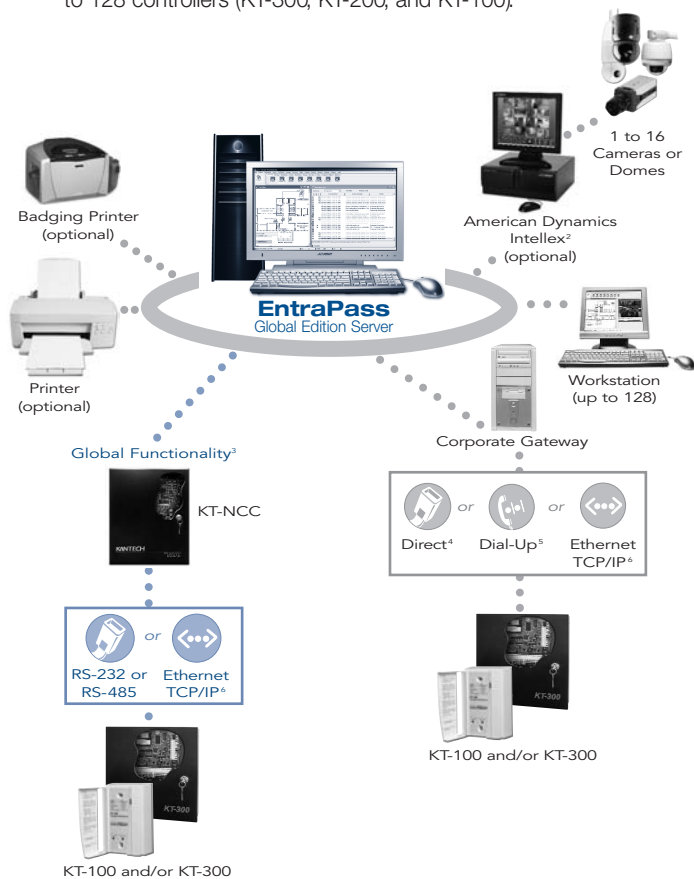
take a closer look

Redundancy Server

EntraPass Global Edition offers an optional Redundancy Server with a mirror database which 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 copied from the Redundancy Server.

Basic System Diagram

The EntraPass Global Edition system architecture supports connections¹ to remote sites using Ethernet. It is a multi-workstation solution that accommodates an unlimited number of users, controls up to 2,048 card readers per Global Gateway and allows operators to simultaneously access the system from up to 128 workstations connected to the network. EntraPass Global Edition is compatible with the complete line of Kantech door controllers, which can be configured with up to 32 controllers per loop and 1,024 controllers per Global Gateway. The KT-NCC supports any combination of up to 128 controllers (KT-300, KT-200, and KT-100).



¹ EntraPass Global Edition utilizes remote site connection via dial-up modems (using Corporate Gateway)
² Requires v3.1 or higher for Intellex Ultra, DVMS, and IP, and v2.6 or higher for Intellex LT
³ Windows NCC Gateway compatible
⁴ 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
⁵ Dial-up: KT-300 only, using RS-232 serial modem at remote site (KT-100 needs to be connected to a KT-300)
⁶ Ethernet TCP/IP: using Lantronix Universal Device Server (KT-100 also requires VC-485 converter)

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-V3Includes above with English manual
- E-GLO-FR-V3Includes above with French manual
- E-GLO-MAN-EN-V3English reference manual
- E-GLO-MAN-FR-V3French reference manual

Accessories

- E-GLO-WS1-V3License for one additional workstation
- E-GLO-WS8-V3License for eight additional workstations
- E-GLO-RDN-V3License for one redundancy server
- E-GLO-SQL-V3License for one Card Gateway (Oracle/MS-SQL HR interface)
- E-GLO-CORCOM-V3License for 40 Corporate Gateways
- E-GLO-COM-V3License for 16 Global Gateways (DOS NCC)
- E-GLO-COM-V3WINLicense for 16 Global Gateways (Windows NCC)
- EP-ENTRA3EPROM for EntraPass Global Edition using Windows NCC (one per KT-200 required)
- EP-8002EPROM for EntraPass Global Edition using DOS NCC (one per KT-200 required)
- E-GLO-UPG-EN-V3EntraPass Global Edition upgrade to version 3, includes English reference manual
- E-GLO-UPG-FR-V3EntraPass Global Edition upgrade to version 3, includes French reference manual
- E-GLO-VVM-V3License for one EntraPass Video Vault

KT-NCC

- KT-NCC Embedded Network Communication Controller (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 V3.17 and higher
- KT-NCC-PCB Embedded 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 2 keys
- KT-TAMPER Tamper switch for KT-NCC-CAB, KT-300CAB and KT-4051CAB metal cabinets

EntraPass Global Edition 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-PC4216)
Card user access levels	250 per site
Access level combination	Unlimited
Operator workstations.....	128
System operator passwords.....	Unlimited
Operator security levels	Unlimited
Concurrent operator languages.....	2
Number of printers	1 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 4 time zones	100/gateway
Holidays	366/gateway

KT-NCC

Physical, Electrical, Environmental & Regulatory

Operating temperature.....	2°C to 40°C (35°F to 110°F)
Humidity level.....	0 to 95% noncondensed, indoor use only
AC power	16 VAC, 40 VA class 2 transformer (#TR1640P/ or TR1640P/CSA)
Battery back-up	KT-BATT-12, 12V/7Ah battery supervised, provides a minimum of 4 hrs.
Cabinet dimensions (HWD)	375.9 mm x 304.8 mm x 125.7 mm (14.8 in x 12 in x 4.95 in)
Cabinet weight.....	4.0 kg (8.8 lbs)
Board dimensions	22.90 cm x 13.98 cm x 5.20 cm (9 in x 5.5 in x 2.05 in)
Communication ports	2 x RS-485, 1 x RS-232, 2 x Ethernet 100 baseT
Firmware flash memory.....	16 MB
Loops per gateway	7 loops (2 x RS-485, 1 x RS-232, 4 x IP)

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 4 time zones	100/site
Holidays	366/site

Computer Requirements

(Workstation, Gateway and Server)

Minimum processor.....	Pentium III 800 MHz
Minimum RAM recommended.....	256 MB
Minimum free hard disk space	4 GB
Color depth.....	24-Bit (16 million colors)
Network interface card	100Base-T network adaptor
Operating system compatibility	Windows® 98/XP/NT/2000/2003

Controllers per KT-NCC	128
Maximum controllers per loop	RS-485 (COM1 & COM2)=32 each RS-232 =32 IP#1 to IP#4 =8 each
Number of cards.....	56,000
Readers/keypads per gateway.....	256
Door lock outputs per gateway	256
Maximum number of floors	64
Access levels	250
Access door groups	100
Relay groups.....	100
SDRAM memory	64 MB (Protected by a Lithium ION battery for a minimum of 100 hrs.)
Auxiliary power output	12 VDC, 250 mA, resettable fuse protected
Relays.....	4 form "C" relays, 30 VDC/3A
Controller groups	100
Access code groups.....	100
Operating System	Windows CE embedded v5.0