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EntraPass Global Edition

Network-Ready Enterprise Level Security Management Software

Features That Make a Difference[1]:

- Intelligent Alarm Routing allows assignment of system alarms to any workstation on the network
- Increased security with advanced integration of access, video, automation, intrusion and telephone entry systems
- Embedded high performance Sybase SQL database engine
- Supports up to 128 workstations and controls hundreds of thousands of readers
- Global virtual alarm system, anti-passback, guard tours and muster reporting
- Available WebStation capability that allows system to be controlled remotely
- SmartLink Task Builder automates system tasks
- Double and triple swipe card at reader (with KT-400 controller firmware) to activate such features as: activate relay, arm alarm system and lock/unlock doors
- Each schedule is composed of up to 20 intervals (when using a KT-400 controller)

Enterprise Level

EntraPass Global Edition is a powerful, network-ready enterprise level security management software. It 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.

Improved System Reliability

The EntraPASS KT-NCC (Network Communication Controller) is a powerful way to expand an EntraPass Global Edition System. Instead of relying on a PC for communication between the controllers and server, the dependable KT-NCC is in control. There are fewer PCs to maintain, operating systems to upgrade, and security emergencies to manage. KT-NCC includes onboard TCP/IP which eliminates the costs associated with buying and maintaining a third party communication device to link to the network. The KT-NCC manages communication between the EntraPass software and the door controllers. It also 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. The KT-NCC supports any combination of up to 128 controllers (KT-100, KT-300 or KT-400). For more information on the KT-NCC, refer to the KT-NCC data sheet.

Site Architecture

A site/loop is composed of controllers attached to the same communication port or connection. The software is scalable and grows with the customer's needs. EntraPass Global Edition can manage up to 32 local sites or 512 Secure IP connections per Multi-Site Gateway. Each KT-NCC supports 3 local loops (32 controllers each) and 4 remote loops (8 controllers each). The KT-NCC provides advanced cross controller communication giving customers higher flexibility and functionality. Sites/loops are comprised of any combination of KT-100, KT-300 and KT-400 door controllers.

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, without interrupting system operations.

(1) All of the features of EntraPass listed on this data sheet are available with software version 5.01 and higher

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Features

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 Multi-Site 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 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 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, manage your access levels and schedules, 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

The SmartLink application enables operators to integrate EntraPass Global Edition with most intelligent devices such as video multiplexers, HVAC systems, LCD panels, video matrix switchers, etc. SmartLink uses an RS-232 or network connection to 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. You can manually activate these specific tasks directly from the interactive floor plans in EntraPass. Advanced system integration can be accomplished by using the bi-directional SmartLink library to communicate with software applications such as time and attendance systems, badging systems, human resource management systems, student registration systems, etc. This allows complete and real-time data exchanges between systems, eliminating redundant data entry.

Advantage Program

An optional Advantage Program (KAP) program provides 12 months of updates and end user online training. As EntraPass continues to deliver new features and enhancements, it is more important than ever that you have the education and tools necessary to effectively use this solution. These optional KAPs ensure that you receive new functionalities and end user online training with software updates. Purchase the number of tokens required for your EntraPass installation and then enter the token license in the EntraPass server software. To access the end user online training available through the Advantage Program, simply complete the registration form available on our web site, www.EntraPASS.com.

Video Integration

Real-time monitoring capability is a response to the growing importance of video in access control systems. Integration with American Dynamics HDVR, VideoEdge NVR, TVR Series and Intellex Digital Video Management Systems provides real-time video monitoring as well as video playback. Video can be linked to access events (such as "door forced open") and recorded from one to sixteen cameras from different American Dynamics HDVR, VideoEdge NVR, TVR Series and 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. Operators can configure viewing parameters for digital video applications through an EntraPass user interface. In addition, the EntraPass InfiniView option allows for addition of 128 video servers.

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Take a closer look

EntraPass Video Vault

EntraPass Video Vault offers an easy way for preserving important video data for future reference. Since video recordings require a great amount of disk space, using an archive management tool such as EntraPass Video Vault enables organizations to better manage and easily retrieve video contents. EntraPass Video Vault enables all video clips from an Intellex alarm or an EntraPass video alarm to be automatically stored as Audio Video Interlaced format (.AVI) files or Video Intellex (.KVI), Video Archive (.KVA) and American Dynamics Network Client video format (.IMG) which can be password protected. Each EntraPass Video Vault may be connected to as many American Dynamics HDVR, VideoEdge NVR, TVR Series and Intellex units as defined within the EntraPass software. Video may be saved to up to 24 pre-programmed hard drive locations. A .bmp image may be associated automatically with each video clip, and a thumbnail image may be created on the first frame of the video clip.

Alarm Panel Integration

Alarm panel integration can be accomplished with the use of the Multi-Site Gateway in one of two ways. The first way is to connect the Multi-Site Gateway directly to the DSC PowerSeries or MAXSYS alarm panels. Alternatively the KT-400 can be connected to the Multi-Site Gateway, Global Gateway or KT-NCC which in turn is connected to the DSC PowerSeries or MAXSYS alarm panels.

Either connection method allows the alarm panels to receive intrusion events, view the status of zones, and manage partitions and user codes. In addition the system can be armed/disarmed (single or multiple partitions) via reader (KT-400 only) or manual operation.

Telephone Entry Integration

EntraPass Global Edition also integrates with the 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 Telephone Entry System which allows for fast configuration and firmware updates, live transaction monitoring, and system backup. For more information, refer to the Telephone Entry System data sheet.

Recommended Computer Requirements

Processor (without video integration	Dual Core
Processor (with video integration)	Quad Core
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
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
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 in 32-bit version, Server 2003/2008 Standard/ Enterprise, Vista Pro and Windows 7 Pro (all in 32 and 64-bit versions). All operating systems should have their latest Service Packs and updates.

Virtual Environment Supported . . . VMware Workstation Version 7 and higher

System Capacities

Cards per Gateway (Online)	Unlimited
Card Families or Site Codes	Unlimited
Global Gateways	128
Multi-Site 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
Concurrent Webstation Logins	50
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	100/gateway
Time Intervals Per Schedule	20
Holidays	366/gateway
Access Level Per Card Holder	13

Per Multi-Site Gateway

Loops per Multi-Site 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	100/site
Time Intervals Per Schedule	KT-300 (4), KT-400 (20)
Holidays	366/site

Integration Capabilities

Intrusion . . . . . DSC Alarm Panels (PC1616, PC1832, PC1864, PC4020)

Video
American Dynamics HDVR.VideoEdge NVR, TVR Series and 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

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Model Numbers

Software

Each EntraPass Global Edition software package includes: four additional Workstation licenses, one Server/Workstation license, one Global Gateway (Windows NCC) license and one WebStation license

E-GLO-XX-V5 . . . . . EntraPass Global Edition v5.xx software and user manual
E-GLO-V5 . . . . . EntraPass Global Edition v5.xx software only
E-GLO-UPG-XX-V5 . . . . . EntraPass Global Edition upgrade from v3.xx to v5.xx software and user manual (requires Advantage Program token for future upgrades)

Additional Global and Multi-Site Gateway and Workstation Licenses

E-GLO-WS1 . . . . . EntraPass Global Edition, license for 1 additional Workstation (v3.xx and higher)
E-GLO-WS8 . . . . . EntraPass Global Edition, license for 8 additional Workstations (v3.xx and higher)
E-GLO-COM-WIN . . . . . EntraPass Global Edition, license for 16 additional Global Gateways (Windows NCC) (v3.xx and higher)
E-GLO-CORCOM . . . . . EntraPass Global Edition, license for 40 additional Multi-Site Gateways (v3.xx and higher)

Options

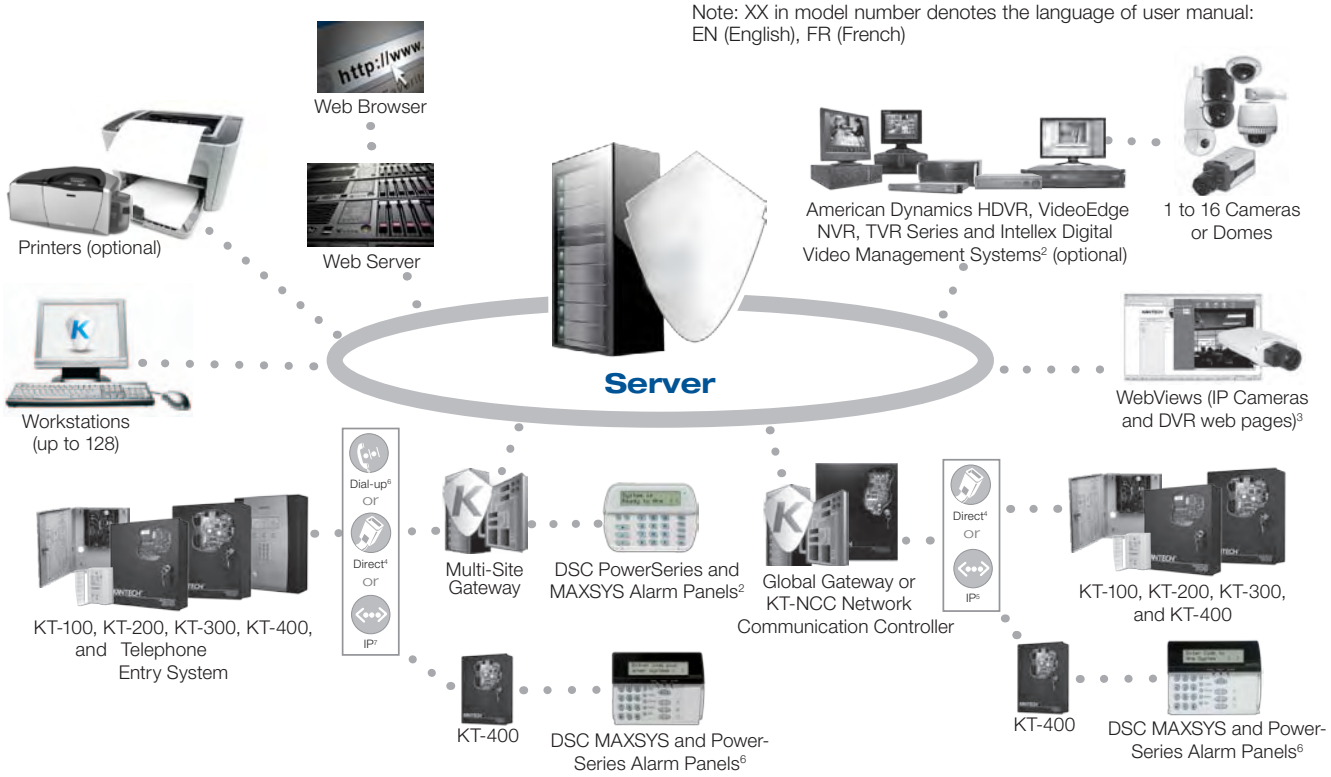
E-GLO-RDN . . . . . EntraPass Global Edition option, license for 1 Redundancy Server (v3.xx and higher)
E-GLO-SQL. . . . . EntraPass Global Edition option, license for 1 Card Gateway (Oracle/MS-SQL HR interface) (v3.xx and higher)
E-GLO-VVM . . . . . EntraPass Global Edition option, license for 1 EntraPass Video Vault (v3.xx and higher)
E-GLO-WEB-1 . . . . . EntraPass Global Edition option, license for 1 concurrent WebStation (v4.xx and higher)
E-GLO-WEB-3 . . . . . EntraPass Global Edition option, license for 3 concurrent WebStations (v4.xx and higher)
E-GLO-INFVID. . . . . EntraPass InfiniView multiple video servers

KAP (Advantage Program)

E-GLO-KTK-1 . . . . . Token for EntraPass Global Edition (1)
E-GLO-KTK-2 . . . . . Token for EntraPass Global Edition (2)
E-GLO-KTK-3 . . . . . Token for EntraPass Global Edition (3)
E-GLO-KTK-5 . . . . . Token for EntraPass Global Edition (5)
E-GLO-KTK-10 . . . . . Token for EntraPass Global Edition (10)
E-GLO-KTK-20 . . . . . Token for EntraPass Global Edition (20)

User Manuals

E-GLO-MAN-XX . . . . . EntraPass Global Edition User Manual
Note: XX in model number denotes the language of user manual: EN (English), FR (French)



(2) See Integration Capabilities (in the "Specifications" section above) for more information
(3) Many different video products have been tested successfully using WebViews - for an updated list please contact your sales representative
(4) Direct: using RS-232 or RS-485 with USB-485 or VC-485 converter, KT-100 using RS-485 with converter
(5) IP under Global Gateways using Lantronix Universal Device
(6) 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)
(7) IP using IP Link or KT-400 Ethernet controller

Related Products

DSC PowerSeries and MAXSYS Alarm Panels

Intellex DVRs

Discover Mini Domes

Approvals

RoHS 2002/95/EC

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