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Data Sheet

EntraPass Corporate Edition
Multiple Workstation Security Management Software

ENTRAPASS web

ENTRAPASS go

Features That Make a Difference

- Support for ioSmart Smart Card Readers & Cards
- RS-485 Input/Output Module compatibility
- Integration with HID Mobile Access for mobile credentials
- Gain access to doors with a one time unlock command using the EntraPass go Pass mobile app
- Supports up to 20 workstations and controls hundreds of thousands of doors
- Supports up to 50 concurrent logins of EntraPass web and/ or EntraPass go. First login is provided as standard
- Integrates with Exacq video management systems, DSC PowerSeries intrusion alarm panel models and the Kantech INTEVO integrated security platform

Network Ready

EntraPass Corporate Edition is a proven platform that offers the ultimate balance between power and affordability in a network environment. EntraPass offers the flexibility to apply security to controllers directly connected on the network, as well as over RS-485. EntraPass software is compatible with Kantech IP devices such as KT-400/ KT-1 controllers and Kantech IP Link (KT-IP) which all utilize 128-bit AES encryption to protect communication against compromise.

KT-400 controller is a highly proven IP controller that supports up to 8 ioProx XSF and ioSmart readers (4 doors IN/OUT control).

For the utmost flexibility and as a truly plug & play IP device, the KT-1 controller features a direct Ethernet port, PoE/PoE+ capabilities and can be easily surface mounted above the door, thus reducing cabling and installation time.

With its innovative one-touch set-up and enrollment process, KT-1 provides integrators with the ultimate IP access control installation in minutes. Kantech's IP devices offer real-time access to security information and integrate seamlessly into an existing TCP/IP network; meaning no changes to existing equipment, network, or related systems. They also act as a polling device to ensure the controllers communicate with EntraPass only as required, reducing network traffic.

Kantech Advantage Program

As EntraPass Security Management Software continues to deliver new features and enhancements, it is important to have the productivity tools to effectively use this solution. The Kantech Advantage Program (KAP) allows you to stay current with your EntraPass software installation using tokens. The number of tokens required is based on the EntraPass options activated.

*All features listed on this data sheet are available with the latest build of EntraPass v8.10 and higher

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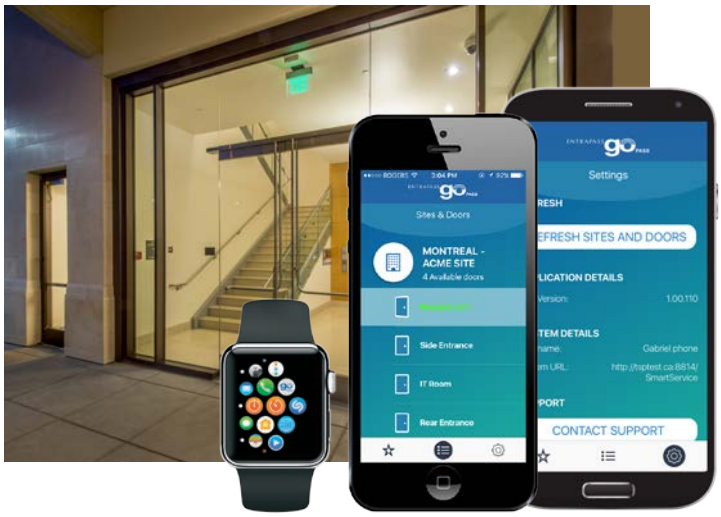

Remote, Mobile Access

EntraPass Corporate Edition supports the intuitive, state-of-the-art EntraPass web and EntraPass go mobile applications which offer customers an unparalleled feature-rich security experience. System administrators can connect via the web or a dedicated app on their smart phone/ tablet and manage common access control, video and intrusion functions wherever they are. EntraPass also supports the EntraPass go Pass mobile app which allows users with appropriate credentials to quickly and conveniently access secured areas with a few taps of a mobile device. EntraPass go Pass turns an iOS mobile device into an access control credential. Once the app connects to the Kantech EntraPass server, it presents you with a list of doors that you are authorized to enter.

Site Architecture

A site within EntraPass represents a customer's building, campus, etc. and is composed of many different connections, which have multiple door controllers attached. The system can manage up to 2,048 local IP connections (consisting of KT-100, KT-200, KT-300, KT-1 or KT-400 door controllers) per Multi-Site Gateway. EntraPass supports the use of third party card readers as well as Kantech's ioSmart and ioProx readers. ioSmart readers provide end-to-end AES 128-bit encryption between the ioSmart card and ioSmart reader, ioSmart reader and Kantech KT-1 and KT-400 controllers over RS-485 and the aforementioned controllers to EntraPass software over IP. ioProx readers feature the 39-bit XSF, Kantech Extended Security Format, and can be connected using existing CAT5e cabling for installation cost savings. EntraPass software is highly scalable and can seamlessly expand as the security requirements of your business grow.

Door Controller Compatibility

EntraPass software is compatible with Kantech's complete line of door controllers to create a highly scalable solution that can be deployed within one building or across multiple locations. You can mix and match KT-400 and KT-1 together for the best solution to fit your specific needs.

EntraPass makes the migration to KT-1 and KT-400 controllers from legacy Kantech controllers easier for existing Kantech end users. You can automatically move the legacy controller's door programming, access levels, triggers, graphics, etc. to the new controller eliminating the need to reprogram the entire access control system from the ground up.

Remote System Management Tools

The EntraPass web platform enhances the user experience by delivering remote and convenient real-time access to manage common security tasks and reports from any computer connected to the internet. Security managers on the go can perform a host of functions including locking/ unlocking doors, managing cards and schedules, requesting reports, viewing live video and PTZ control, viewing recorded video, video playback, monitoring events by floor plan and so much more.

EntraPass go is a mobile app that allows you to remotely control your security system from anywhere without being tied to a workstation. It enables you to interact with EntraPass Security Management Software using only a few taps on your mobile device. The easy-to-use mobile app offers anytime, anywhere real-time management of over 20 security tasks. You can manage/create cards, lock/ unlock doors, arm/disarm partitions, view live video from Exacq exacqVision video servers and Kantech INTEVO integrated security platform, view PTZ control, view video playback, request reports and more. Operators are automatically authenticated and logged into EntraPass via their Windows credentials with one simple click.

Alarm Panel Integration

By integrating all security assets such as intrusion detection, access control, video and telephone entry into one common platform, users can interface with just one system, for greater simplicity and optimum control. Kantech offers integration kits to connect a DSC PowerSeries, PowerSeries Neo, PowerSeries Pro or MAXSYS intrusion alarm panel to a Kantech access control system to create a single integrated solution. Data integration allows the access control system to receive intrusion events, view zone status and to manage partitions/user codes and arm/ disarm via card reader. *Please note: DSC PowerSeries Neo Virtual Keypad offering is not available at this time.

The virtual zones feature in DSC PowesrSeries Neo allows for the access control events from EntraPass to be sent to the central monitoring center for even better situational awareness.

ITV2 Type 2 encryption is an integration option for use with both the PowerSeries Neo and PowerSeries Pro panels, which adds security to the connection.

Video Integration

Real-time monitoring capability is a response to the growing importance of video in access control systems. Integration with Exacq video management systems, American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR, Intellex) and Kantech INTEVO integrated security platform 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 compatible DVR/NVR simultaneously. All cameras can be called up directly from a floor plan simply by double-clicking on the camera or dome icon. You can then store video alarm clips at an off-site location for easy access using VideoVault which provides protection of the clips against unauthorized access.

ASSA ABLOY Aperio Wireless Lock Integration

Kantech expands its integrated user experience by adding the support of ASSA ABLOY Aperio wireless locks. The Aperio locks are managed directly through EntraPass. Each Aperio lock communicates with an Aperio wireless hub, which communicates back to the KT-400 and KT-1-M door controllers over RS-485. Online transactions mean that EntraPass is updated in real-time, providing a high level of control and visibility of door actions. See ASSA ABLOY Aperio data sheet on www.kantech.com for additional information.

Telephone Entry Integration

The Kantech Telephone Entry System (KTES) delivers a fully integrated telephone entry and access control solution. The KTES provides visitor/resident entry, tracking and reporting. It uses a touch-tone phone style keypad that offers both familiarity and ease of use. Two-way audio is built-in.

Audit Trail

The Audit Trail functionality provides a detailed report on who makes changes and when the changes occurred to a card or component. Audit reports are available based on cards, components and/or operators. Detailed information includes: the type of change, menu that was changed, number of fields changed, name of the GUI field, value before/ after the change, and data type.

Redundant Server and Gateway

A redundant server protects the EntraPass database against unexpected failures and is an option available with Corporate Edition software. It features real-time data transfer, creating fully functional redundancy at low cost. In the event of primary server failure, the redundancy server which supports all the features and functionality of the primary server.

Synchronization with Microsoft Active Directory

EntraPass offers integration with Microsoft Active Directory which synchronizes Active Directory with EntraPass operators and card holders, eliminating the need for their manual creation in the EntraPass database. The integration also enables single sign on, where operators are automatically authenticated and logged into EntraPass via their Windows credentials with one simple click.

*Some features and integrations may require additional licensing options, please reference the Ordering Information table for details.

Basic System Diagram

Minimum System Requirements

Processor (without video integration)	Intel® Core™ 2Duo 2.6 GHz or more
Processor (with video integration)	Quad Core
RAM	4GB or more (8GB with video integration)
Minimum Free Hard Disk Space for Software	50GB
Color Depth	24-bit (16 million colors), required for video integration
Screen Resolution	1024 x 768; 48X CD-ROM drive
Graphic Adapter Card	PCI express graphics card with 512MB (1GB with video integration) memory and DirectX 9.0 support
Network Interface Card	10/1000 Base-T network adaptor (gigabit or greater with video integration)
Operating System Compatibility	Windows 10 Pro/Enterprise, Windows 7 Pro/Enterprise/Ultimate, Window 8 and 8.1 Enterprise, Windows Server 2008 R2 Standard/Enterprise, Windows Server 2012 R2 Datacenter, Windows Server 2016 Datacenter, Windows Server 2019 Datacenter. All operating systems are supported in 32 and 64-bit version. All operating systems should have their latest Service Packs and updates. For integrations, validate specifications of products used.
Virtual Environment Supported	VMware Workstation v7 and higher

Specifications

System Capacities	
Cards	Unlimited
Card Families or Site Codes	Unlimited
Card Readers/Keypad per Mult-Site Gateway KT-400, KT-1, KT-300	Up to 10,000
Monitored Points (Inputs) per Mult-Site Gateway KT-400, KT-1, KT-300	Up to 100,000
Auxiliary Outputs for Reader LEDs and Door Alarms per Mult-Site Gateway KT-400, KT-1, KT-300	Up to 100,000
Elevator Floors per Cab	64
Card User Access Levels	250 per site
Access Levels per Cardholder	KT-300 (1), KT-400/KT-1 (5) per site
Access Level Combinations	Unlimited
Time Intervals per Schedule	KT-300 (4), KT-400/KT-1 (20)
Holidays	366 per system
Operator Workstations	20 + 1 on the server
Concurrent EntraPass web Logins	50
Multi-Site 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
Connections per Multi-Site Gateway	Up to 2048 (IP, USB, Dial up)
Action Scheduler	999 actions
Integration Capabilities	
Intrusion	DSC PowerSeries (PC1616, PC1832, PC1864, PC4020), PowerSeries Neo (HS2016, HS2032, HS2064, HS2128), PowerSeries Pro (HS3032, HS3128) and MAXSYS (PC4020) Alarm Panels
Video	Exacq video management systems (v7.8.1) and American Dynamics DVRs/ NVRs (VideoEdge up to v4.6 and previous 4.xx versions), HDVR (v4.3.0.374), ADTVR (first gen v2.2; second gen v2.5), Intellex (up to v5.0) and the INTEVO platform. Intellex Ultra, DVMS and IP all require EntraPass software v3.1 or higher, Intellex LT requires software v2.6 or higher. Panasonic video recorders (requiring option E-COR-DVR-1): WJ-HD309A/316A/616/716, WJ-ND200/300/400.

Ordering Information

Model Number	Description
Software	
Each EntraPass Corporate Edition software package includes: two additional Workstation licenses, one Server/Workstation license, one Multi-Site Gateway license and one web license.	
E-COR-V8	EntraPass Corporate Edition software
E-COR-V8-LIC	EntraPass Corporate Edition software license
E-COR-V8-NL	EntraPass Corporate Edition software, no license
Additional Workstation and Gateway Licenses	
E-COR-WS1	License for 1 Workstation (v3.xx and higher)
E-COR-WS6	License for 6 Workstations (v3.xx and higher)
E-COR-COM	License for 40 Multi-Site Gateways (v3.xx and higher)
Options	
E-COR-LDAP	License for optional Active Directory (LDAP) integration
E-COR-RDN	License for 1 Redundancy Server (v3.xx and higher)
E-COR-SQL	License for 1 Card Gateway - MS SQL Database Interface (v3.xx and higher)
E-COR-VVM	License for 1 EntraPass VideoVault (v3.xx and higher)
E-COR-WEB-X	License for concurrent web login (v4.xx and higher) (X = 1, 3, 10, 25 or 50)
E-COR-DVR-1	License for single third party DVR (v5.02 and higher)
E-COR-PASS-X	EntraPass go Pass (X=50, 100, 500)
E-COR-CONNECT	License for 1 Workstation (v7.0 and higher)
Kantech Advantage Program (KAP) Tokens	
E-COR-KTK-X	Kantech tokens (X = 1, 2, 3, 5, 10, or 20)
Wireless Locks	
E-COR-DOOR-X	Wireless lock integration license for additional doors for Corporate Edition v7.0 and higher (X = 1, 4, 8, 24, 48, 96)

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit www.kantech.com or follow Kantech on LinkedIn, Twitter and Facebook.

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KT0325-DS-202001-R12-HS-EN