Insight Professional

Management Software for Concept 4000 Systems

Insight Professional is a "best in class" system management software solution providing customers with user friendly control and management of multiple Concept 4000 hardware platforms.

User Friendly Programming and Control

Operators can edit programming of items such as users, doors and lifts within multiple Concept 4000 panels

Programming features include:

- User friendly programming screens
- Control of doors, areas, lifts and auxiliary outputs etc.
- Powerful search and cross-referencing tools
- Hyperlinks to move between related programming screens

Robust Architecture

Insight is built on a robust technology platform including:

- Multi-panel, multi-workstation (multi-client)
- MS SQL server database - ODBC compatible
- Rijndael AES 128-bit encryption
- Proprietary Insight communications protocol developed specifically for IP based communications

Seamless Multi-Site Management

Sites can be managed individually or an almost unlimited number of Concept 4000 sites can be managed as one seamless system with the intuitive Insight software suite. Global user management means that users can be added and deleted from the system, their security levels changed, and their access to doors and security areas modified with these changes being immediately updated to sites around the globe.

Rich Floorplan View

Insight's Schematic module provides the facility to monitor the status of field hardware and site security on an interactive, multi-layered, graphical representation.

Some of the highlights of the Schematic module are:

- Import maps in a variety of formats
- Create drill-downs and navigational hyperlinks
- Automatically display a schematic in response to a programmed event
- Mimic control panel functionality
- Drag and drop items on to maps
- View the real-time status of inputs, areas, doors and auxiliaries
- Customisable icon library
- Automatic Schematic Map login from workstation boot-up
- Automatic restore saved window views at login
- Full screen mode for mimic panel displays
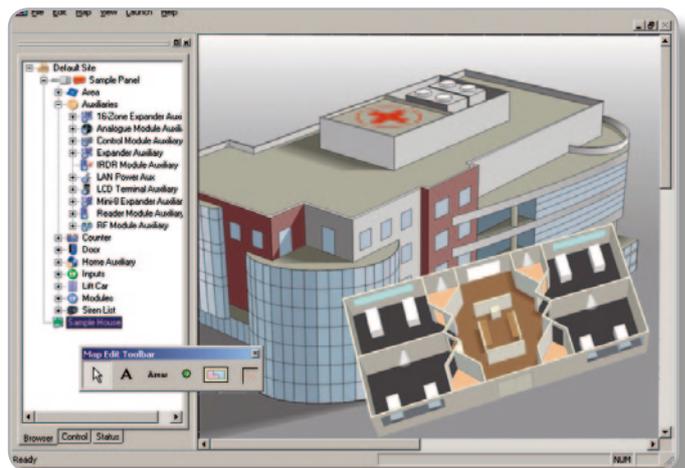
Comprehensive Reporting

A range of customisable reports are available in Insight, giving the user great flexibility to generate reports for all requirements. Reports are easily exported to other applications.

Some examples of popular reports are:

- User access through a door
- Alarms in an area
- User arming/disarming of an area

Further flexibility is afforded by the Advanced Reporting Module, which adds:

- Muster report
- Time on site report
- Qualifications Reports
- Extended user report
- Report designer tool allowing total control over report output

Supported Software Platforms:
- Microsoft Windows XP Pro (Must be SP3 or later)
- Microsoft Windows 2003 Server
- Microsoft Windows 2008 Server - x86 or x64
- Microsoft Windows Vista (Business / Ultimate)
- Microsoft Windows 7 (Professional / Enterprise / Ultimate) - x86 or x64

Insight Server Requirements
- The default Insight server installation includes a SQL Express database.
- The SQL Express edition has a 4GB data limit per database. For large / busy sites, (more than 6 million review events per year) you may need to purchase the full version of SQL Server 2005 or 2008.
- For very busy sites the CPU load on the Insight Server can be eased by locating the SQL Database on a separate Computer, but a fast (fibre) link between the 2 computers is mandatory.

Minimum Computer Hardware
- CPU: Intel® Pentium® @ 4 2GHz
- RAM: 1GB
- HDD: 3 GB free hard disk space (room for review data)
- GFX: XVGA monitor at 1024 x 768, 24 bit colour
- Insight also requires a CD-ROM drive and a mouse or similar device

Recommended Computer Hardware
- CPU: Intel® Core 2 Duo (or quad core) processor @ 2.4GHz or better
- RAM: 4 - 8GB
- HDD: 50 GB free hard disk space
- HDD: Multiple 10k or 15k RPM SATA / SAS / SCSI drives with a good RAID controller
- GFX: 22" WSXGA+ (1680x1050) monitor, 24 bit colour

Flexible Review, Alarm and Event Management

Insight automatically maintains a merged log of alarm and system events generated by all Concept 4000 modules on the network. Operator actions within Insight are also logged.

Certain Review events can be forwarded as pager, SMS, email or Internet messages

The review module also includes:

- Unlimited customisable review filters
- Unlimited concurrent review windows
- Comprehensive event triggering
- Customisable alarm events and alarm procedures (including font and colour control)
- Operator response processing including systemwide acknowledgement

The optional Insight Communicator Module automatically processes selected types of Review events and sends email, pager and SMS messages.

Granular Operator Permissions

Insight gives the system administrator unprecedented control over an operators' system permissions.

- Assignment of permissions via operator types
- Assign more than one operator type to each operator
- Flexible permissions: (view, inspect, change, create, delete, control, print, export and set)
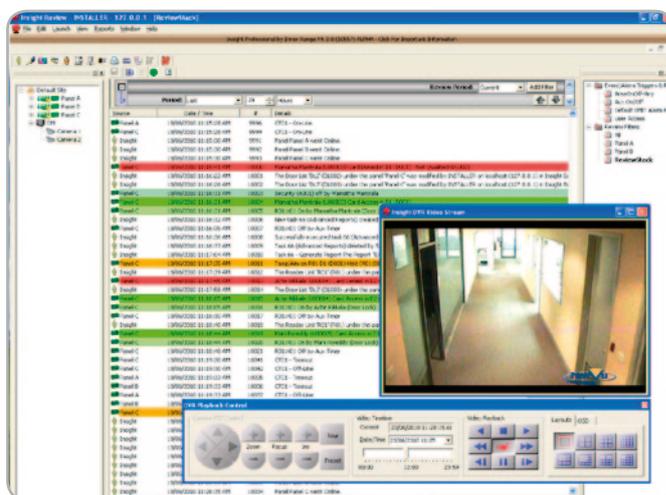
An unlimited number of Concept 4000 sites can be managed as one seamless system with the intuitive Insight software.

Ordering Options

994402   Insight Professional

Insight Professional Components

Insight Professional

Core package providing site management, panel programming, event review, floor plan functionality, basic reporting, operator and user administration.

Optional Modules
- CCTV Integration Module
- Advanced Reporting Module
- Photo-ID Module: Adds card design/print support
- COM Interface
- Dynamic User Import Module
- Card Pool
- Insight Communicator
- 3PGateway for Communicator
- Active User Rotation Module
- Insight Qualification Module
- Tag Board
- Visitor Management: Coming soon – Due early 2011

Installer's Software Tools

Insight Installer (formally Insight Lite)

Insight Installer provides an intuitive yet powerful upload-download and programming interface, allowing technicians to easily maintain hundreds of Concept hardware installations.

Insight Installer is provided free of charge* to Inner Range Certified Technicians for the purpose of assisting in the programming of Concept 4000 systems. It allows full database editing but does not include the on-site system management utilities and modules that are included as part of the Insight Professional version.

The availability of Insight Installer as a utility for technicians means that they now need only learn one software application instead of many as insight Installer supports all current & legacy Concept 4000 panels

*Online Registration Required

Insight Enrolment Station

The Insight Card Enrolment Station is designed to conveniently allow Cards to be remotely enrolled in an Inner Range Concept 4000 system at a PC using the Insight software. Administration of large numbers of card users with Concept 4000 systems is greatly simplified with this addition to the product range.

This product is particuly useful for enrolling cards with proprietary formats where the data can be captured as a unique identifier without necessarily interpreting or decoding it. eg. where site code data cannot be derived from the card.

The Enrolment Station is connected to the PC through the serial port or serial to USB converter.

All of the Wiegand formats available in the Concept 4000 hardware platform are supported utilising either Direct Entry or Site Code mode.

Model options include a version fitted with the HID Proxpoint version with no reader fitted. The latter is useful in systems not using HID proximity cards and allows the Installer to connect a reader to match those used in the existing hardware installation.

SPECIFICATIONS

Electrical

Input Voltage	11-14VDC
Operational Current	42mA (PCB only)
	95mA (with HID Proxpoint Reader fitted)
Fuse Protection	500mA reader power fuse

Outputs

Serial Ports	Serial RS232 to PC (DB9)

Ordering Options

994500BlankAU

Insight Card Enrolment Station – No reader fitted

994500WiegAU

Insight Card Enrolment Station – HID Proxpoint Reader fitted

Insight Card Pool Module

This module streamlines the administration of access control cards across an organisation. Operators can create pools of cards and assign them to users, return cards to a pool or choose a card that a user already holds in another panel. (for example, when a visitor signs out, or a contractor finishes their tenure) as well as, where necessary, marking cards as suspended or lost.

When creating/editing users within Insight Edit (and Card Pool is installed), operators can now simply assign the next available card from an already created card pool or choose a card that a user already holds in another panel, the panel scan option in this module makes it easy to migrate to the Card Pool model from systems with cards already programmed in them by creating card pools automatically.

The card scan option shows you all places in the system where a particular card is programmed or assigned. It can help detect all users of a card and correct common problems such as identifying duplicate cards and fixing broken links between cards and the users who hold them.
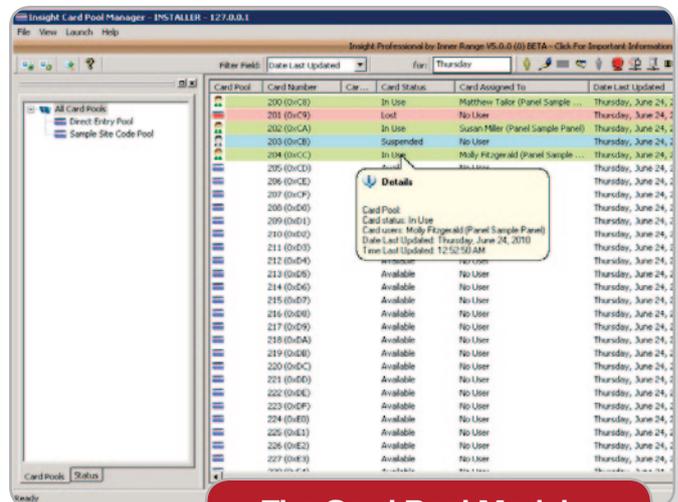
The Card Pool Module and the Insight Enrolment Station are perfect partners for hassle-free card management!

Ordering Options

994412   Insight Card Pool Module

Advanced Reporting Module

The Advanced Reporting Module greatly enhances the reporting capabilities of any Insight/Concept 4000 system. The report categories available in this optional software module include:

Time on Site Report

This report calculates, per employee, the amount of time spent "on site" and then presents this information in an easy to read report which can be exported to a payroll package.

Muster Report

This report allows an operator to designate an area in the system as a muster point then gives the last time that each user accessed that area.

Extended User Report

This report shows the name, company, department and photograph of a specified set of users. Custom Data Fields can be added by basing a new report on this template.

Review Reports

These reports are based on data in the System Review Log.

Card Pool Reports

These reports are extracted from the Card Pool data in the System.

User Activity Reports

These reports are a combination of user information in the database and the user's associated Review Log activity over a specified time period. These can include exception reports.

Entry Exit Reports

These reports are a combination of user information in the database and the user's associated Review Log activity presented on a daily basis with selectable filters to extract such items as late entry, early exits and non attendance.

Virtual User Reports

This report correlates Virtual Users across all Control Modules in the System.

Privilege Reports

User/Entity and Entity/User reports which summarise user access to entities such as doors, lifts and security areas. All reports in tye Advanced Reporting Module incorporate elements of our flexible report generator and report designer tool. Starting with a report category the operator can apply an extensive array of SQL filtering to the report and generate a more targeted data set output. The operator can then use the integrated Lists and Labels reporting tool to design and tailor a customised report with powerful flexibility, even to the extent of importing and including images, logos, charts and graphs.

Qualification Reports

These reports collate users on the basis of qualifications and conversely qualifications on the basis of users.

Access Reports

These reports collate user access on the basis of entities (doors, floors, etc) and conversely entities on the basis of user access.
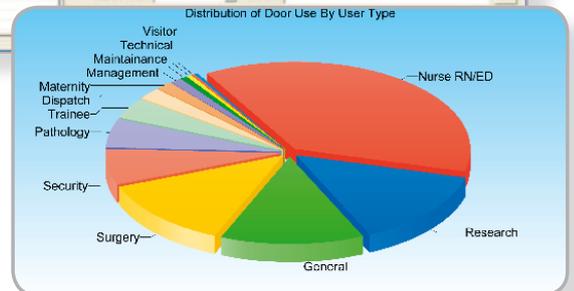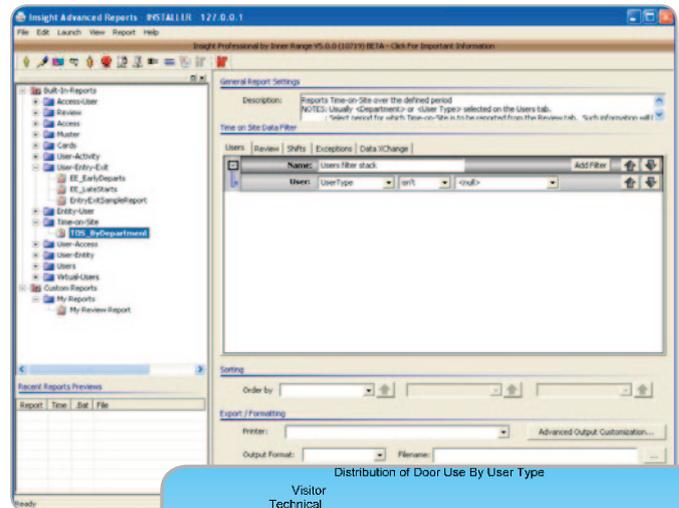
Ordering Options

994405   Insight Advanced Reporting Module

CCTV Integration Module

Insight CCTV integration module allows operators to control Digital Video Recorders, Network Video Recorders, and cameras through the high-level interface to Insight. Control functionality includes: sending of event flags and custom triggers to NVRs to invoke predefined automation tasks within the CCTV system, and viewing of live and historical video feeds."

- Attach DVR / NVR and cameras to Insight
- View live and historical video feeds directly in the Insight workspace
- Remotely control PTZ (Pan/Tilt/Zoom) cameras
- Access recorded video information based on review events
- Switch cameras and video feeds based on custom real-time triggers
- Send model-specific commands to a DVR / NVR or camera
- Place cameras and camera presets directly onto floor plans in Insight Schematic
- Support for multiple DVR / NVR vendors within a single Insight system
- Create a custom matrix with cameras connected to DVR / NVR's from multiple vendors.
- Control DVR / NVR's from multiple vendors with the one graphical user interface.
- Link cameras to almost any object in the Insight database (doors, inputs, users etc).
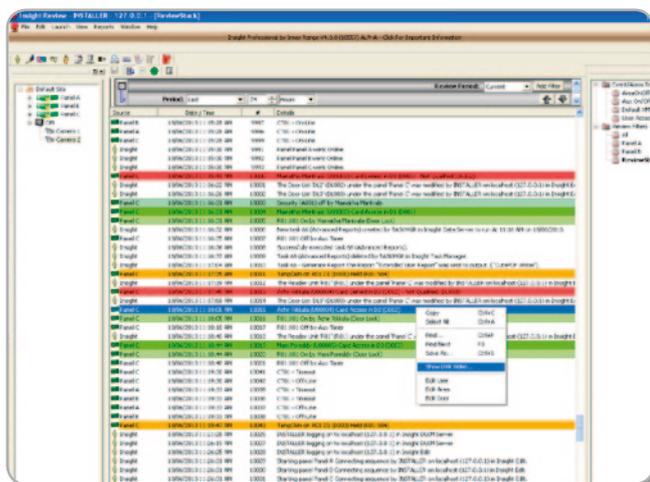

Ordering Options

994410
Insight DVR Integration Module with support for 30 cameras

994411
Insight DVR Integration. Additional 10 Cameras

Many popular DVR / NVR brands are currently supported with more being added continually.

Insight Communicator

With this handy option, individuals and groups can receive pager, SMS and email messages that are automatically sent in response to Insight Review events.

Insight Communicator is highly configurable:
Messages can be prioritised, applied to a particular template and sent based on **rules.** Simple text matching and/or regular expressions can be used. For example, Review events containing the word, "Warehouse" might only be sent to the Warehouse Manager and the Duty Guards, whereas Review events containing the word, "Fire" might be sent to All Managers and the Duty Guards and so forth.
Templates can determine whether a message is sent to a Pager, SMS or by email, or any combination of these media, as well as set the format and content of this message for each medium.
Details can be tailored to each **Recipient**. A Recipient can be a person or a device such as a pager or a computer.
For each recipient, the operator can configure which messages are received, how they are received (SMS, Pager, email) and when they are received.

Fully customisable **Schedules** can be created and used to control when messages are received. For instance, emails for a given recipient might be set to be received at all hours, as messages occur, whereas Pager or SMS messages for the recipient might be limited to certain hours of the day.
Insight Communicator can also be used to send, "one-off", **Custom Messages** where required.
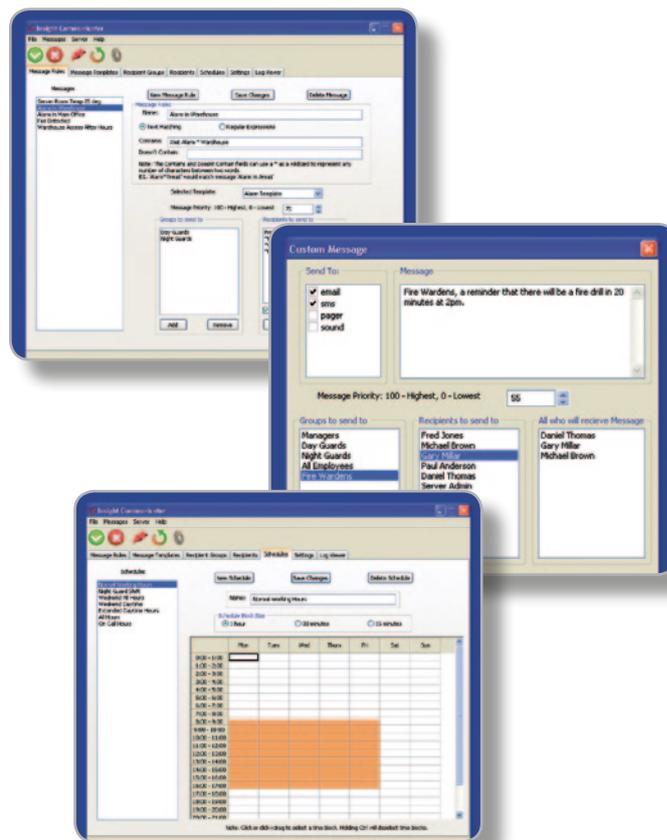
Ordering Options

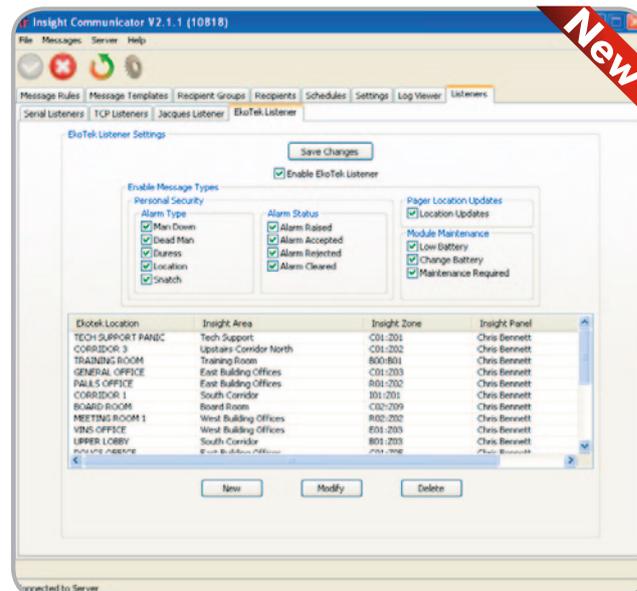**994416**   Insight Communicator

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Insight Communicator 3PGateway Option

Communicator's functionality is further enhanced by acting as a gateway between Insight and selected third party systems. This high-level interface 'listens' via TCP or the Serial port for event messages from outside platforms, relaying the message to Insight Review, where pre-configured automated tasks can then be actioned upon. Highlighting Communicator's functionality, these incoming events can also be used to trigger custom outgoing messages via email, SMS, or pager. This level of integration greatly expands the versatility of the Concept system.

Supported third party Gateway systems include –
• Jacques Intercoms
• Multitone EkoTek
    (paging, location, and communication system)
• AMAPC Fire System
• ISIS Aspects (asset tracking system)

Contact Inner Range regarding integration to additional applications.

Ordering Options

994416GT   Insight Communicator 3PGateway Option

Insight Tag Board

The new user location module displays the location of specific users, or displays all users in specific locations. It delivers real-time user location status and is designed for both public displays and private workstations.

Available in V5 or later.
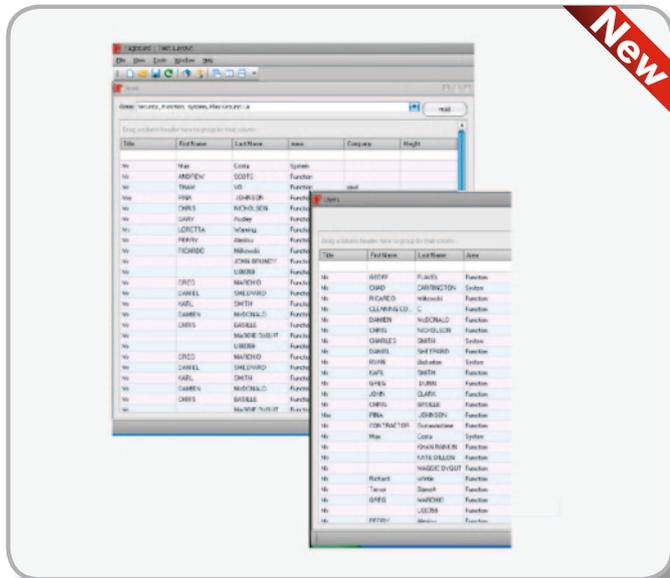
Ordering Options
994433   Insight Tag Board Module

Insight Qualification Module

This important new feature can assist organisations managing Occupational Health and Safety risks by restricting access control to areas where employees can only legally enter. A door or a door-list can be associated with a qualification, with access granted when a user holds this valid qualification, or access denied by an invalid/expired qualification. The system supports up to eight qualifications. In addition, users can be given credit points either by operator entry or dynamically from a 3rd party application. User access events then decrement these credits, with access permissions expiring when their credit points equal zero. This credit feature is ideally suited to car-park applications.

Available in V5 or later.
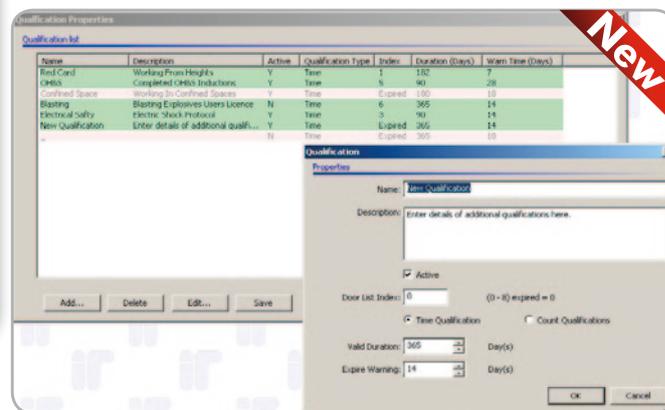
Ordering Options
994434   Insight Qualification Module

Personnel Explorer

Insight Personnel Explorer presents a simplified method of managing Insight users. Personnel Explorer achieves this by allowing the installer to restrict the level of exposure of user editing through customisable templates. Specific templates can be presented to an operator depending upon which user they wish to edit. These templates can be customised in a variety of ways, including:

• Show or hide specific fields
• Designate fields as read/write or read-only
• Automatically default fields
• Creating drop down lists on custom fields to ensure only certain values are selected and consistent data is maintained
• Re-arranging the presentation of fields for different operators

The operator then only sees the fields of interest for a particular user template (e.g. doesn't see the medical practitioner registration number for a Janitor template), has the default details pre-filled in, and cannot accidentally corrupt information that they should not have access to.

Available in V5.1 or later

Ordering Options
Supplied as part of Insight V5.1 or later

Dynamic User Import Module

This module allows automatic user programming of Concept Control Modules based on the output of other software.

The Dynamic User Import Module suits any application that requires card or PIN numbers to be created automatically under the direction of an external program. For example:

- **Hotel PMS (Property Management Systems)**: adding users when a guest checks in, and expiring them when they check out. Only access to their floor and room is permitted.
- **ERP/HR/Payroll Systems**: adding users when they are added to the resources database, and removing them when employment is terminated.
- **Student Databases**: adding students when they are enrolled at an institution, and removing them when study is completed.
- **Visitor Management**: adding temporary users when they are visitors on a site, and removing them when the visit ends.

Ordering Options

994409   Dynamic User Import Module

COM Interface Module

The COM Interface Module enables software developers to write software that can connect to an Insight Professional Server and query the Areas, Doors, Users and User Types within each Concept Control Module. It also provides an interface for receiving live or archival review from Insight Server.

Example applications:

- Web tools could respond to security and alarm messages from Insight
- Logistics software could count users entering and leaving an area in real time
- Messaging software could respond to security events in the field in real time
- Tracking software could tag the location of personnel on a site map

Ordering Options

994408   Insight COM Interface Module (Read Only)
**994417**   Insight COM Interface Module (Write & Control)

Active User Rotation Module (AURM)

AURM has been designed to accommodate configurations consisting of one or many Concept control modules that require more users than the maximum allowable memory configuration. Panels with a permanent connection to the Insight server using the Active User Rotation Module can utilise this feature to extend the number of users much larger than the actual capacity of the Concept control module. (i.e Hundreds of thousands) If a user presents their card to a reader but is not found in the control modules' database, the control module will send a request to the Insight server. Within three seconds the Insight server will search for this user within its own database and if found, download the user's record to the control module, granting the user access. If no free user records exist within the control module, then the user record that has been inactive the longest will be replaced. Without deleting user records AURM creates a rolling cache of users allowing for far greater numbers of cards than can be stored locally.

Ordering Options

**994432**   Insight Active User Rotation Module
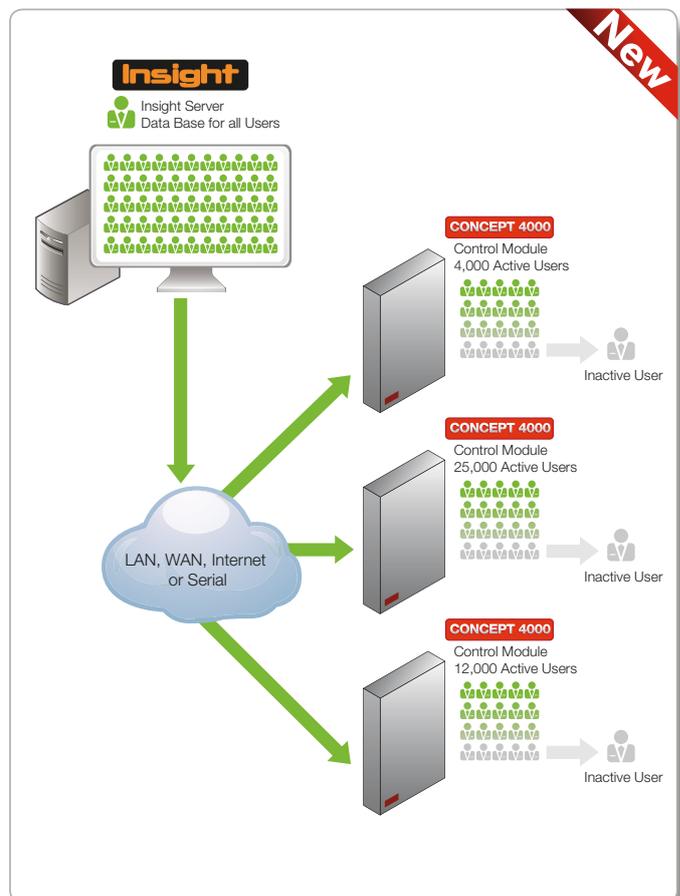
PhotoID Module

Insight PhotoID enables the design and printing of user photo-identification cards. The card designer environment is simple to use and enables the inclusion of background images as well as employee information directly from the Insight database.

- Operators can design custom card templates.
  Each template may contain:
  - A background image
  - User photograph
  - Selected database fields
  - Support for double sided card printing
  - Card printing can be filtered across multiple templates based on user information
  - Simple text
- Includes image capture from Windows Image Acquisition (WIA) compatible devices (i.e. digital cameras, web cams etc.)
- Can be used from multiple Insight client workstations with only a single PhotoID license, making it an extremely cost effective card printing solution
- Print cards individually or in batches

Once the card templates are configured, individual user cards may also be printed directly from the user programming screen, without re-opening the Insight PhotoID module.
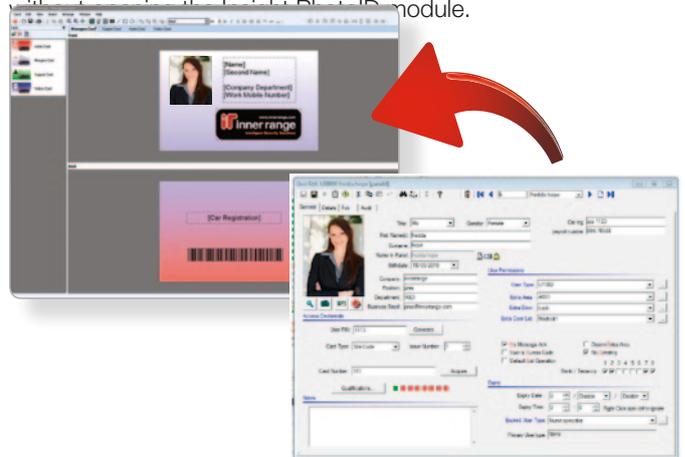
Ordering Options

994406 Insight PhotoID Module

Insight Express

Low Cost Basic Management Software for Concept 4000 Security / Access Systems

Insight Express is a budget friendly software solution for small business enterprises . It provides one
connection to a Concept 3000/4000 control panel and can be used on a single computer workstation.
Full operator passwords and permissions are provided for added security and Insight Express can
also be upgraded to Insight Professional when further expansion is required.

User Friendly Programming and Control

Operators can edit programming of items such as users, doors and lifts within a single Concept 4000 panel.
Programming features include:

- User friendly programming screens
- Easily add, remove & edit access card holders and PIN users in a single Concept system.
- Hyperlinks to move between related programming screens
- Easily view or filter the system event log and save filter preferences

Granular Operator Permissions

Insight Express gives the system administrator unprecedented control over an operators' system permissions.

- Assignment of permissions via operator types
- Assign more than one operator type to each operator
- Flexible permissions: view, inspect, change, create, delete, control, print, export and set

Robust Architecture

Insight Express is built on a robust technology platform including:

- MS SQL server database - ODBC compatible
- Rijndael AES 128-bit encryption
- Proprietary Insight communications protocol developed specifically for IP based communications

For Supported platforms, Minimum hardware requirements and Recommended hardware, see Page 8 of this catalogue.

Ordering Options

994402XPR
Insight Express

994402UPG
Insight Express
Upgrade to Insight Pro