

**Complexity
made simple**

ICTProtegeGX®: Faster, smarter, stronger.

Introducing ProtegeGX

At ICT we believe **the key to great software is doing all the hard thinking up-front** so you don't have to. There's no better example of this theory in action than our all-new ProtegeGX package. It's an enterprise level integrated access control, intrusion detection, and building automation solution with a feature set that is **easy** to operate, **simple** to integrate, and **effortless** to extend.

The modular design and scalable licensing model makes ProtegeGX suitable for everyone – from small single door systems right through to large multi-national corporations. Highly integrated 32 bit microprocessor based integrated system controllers and optional expandable modules provide a feature packed adaptive system.

Solid hardware technology with 32 bit processing and TCP/IP communication make the ProtegeGX System Management Suite and integrated system controllers the most powerful, easily integrated security management solution on the market.

- > Client server architecture with online, event monitoring and control functions
- > Intuitive and user friendly interface with graphical floor plans and highly customizable status pages for controlling and monitoring the system
- > Rich report generation with extensive customization and filter design
- > Customizable alarm and event filters to sort and categorize the event and alarm data that is displayed
- > Integrates with a wide range of third party systems to maximize infrastructure and IT investments already available on site and add value to existing technology
- > High performance SQL Server® database engine



ICTProtegeGX®.

Customizable and Intuitive Interface

Customizable status pages and floor plans provide an intuitive and graphical interface for controlling and monitoring the system. Display information relevant to your site and setup, not your neighbors.

Status Pages

Fully customizable, status pages are one of the flagship features of ProtegeGX and can be tailored to show the exact records and information that you want. Include any combination of:

- > Status lists that dynamically update to display the real time status of attached devices
- > Floor plans that display a visual representation of the site and the real time status of devices and objects on your system
- > Live video feeds from an integrated DVR/NVR camera
- > Event reports filtered to include only the events you wish to view
- > Variables that return information on changeable data such as room temperature or humidity levels
- > Web pages displaying the contents of a defined website or locally stored HTML page
- > Muster reports that provide a “live pegboard” view of all users within a specified area

Floor Plans

Graphical floor plans provide a visual representation of your site and are a quick and efficient way to control and monitor your Protege system. You can quickly arm and disarm areas, control doors and outputs, and view input status and live variable information.

- > Associate graphical icons with devices to control and monitor system
- > Drag and drop buttons to allow an easy browser like feel to navigate between floor plans and live camera feeds
- > Display the real time status of devices and objects on your system
- > Jumping to a floor plan based on an alarm condition or trigger is also possible and is set using event filters and alarms.



- > Intuitive graphical interface minimizes the learning curve allowing new users to get up to speed quickly
- > Flexible design enables you to include the content relevant to your site

- > Tailor the layout to include up to 16 items in a 4x4 grid. Span items across cells for full control and to suit the content contained
- > Gain a sitewide overview or drill down to show more detail. The customizable interface lets you choose what you see.

Web Links

Used within Status Pages and Alarm notifications, web links enable you to display the contents of a company website, Intranet, or purpose-built HTML page.

As well as displaying online websites, this feature is ideal for including content such as a staff directory or an introductory page containing links to procedures on a company intranet. Simply create a web page using

the HTML editor of your choice and containing the information you wish to display, save the files to a location on the Protege Server or a shared network folder, then create a web link that references the HTML file as the URL.

Accessible Reports with Ease

Getting the information you need from the Protege System has never been easier or more accessible. With a comprehensive range of built in reports and the ability to create an unlimited number of custom reports, ProtegeGX provides you with a commanding range of reporting capabilities.

Powerful filtering and flexible reporting options are standard within the Protege System Management application, enabling you to easily obtain detailed and relevant event information.

- > **Event Reports** that enable you to view exactly what is happening within the system with ease. Events are categorized for easy identification and details can be readily filtered to show only relevant events.
- > **Muster Reports** that enable you to generate a report that lists all users for specified areas within the system. Utilizing the entry and exit readers associated with

a door, the report creates a list of users that are present when the report is generated.

- > **Attendance Reports** that make it easy to track and monitor staff movements on site, assisting with payroll and HR management. View summary pages and detailed reports of employee time and attendance with pinpoint accuracy.

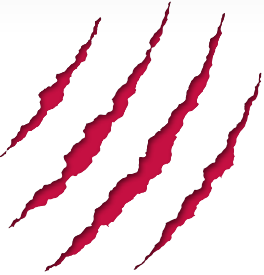
- > **User Reports** that contain detailed information on the users or cardholders in your system. At the push of a button, quickly determine information such as which users have access to selected doors, have triggered defined events, or have cards due to expire.

All reports allow information to be further filtered, sorted, printed, emailed, and exported to a range of file formats.



- > Automatically generate reports at scheduled times and send via e-mail to an operator
- > Filter, sort, and group data to view only relevant information

- > Export to a wide range of formats including PDF, HTML, XLS, and CSV
- > Use the built-in reports or create your own custom reports for complete flexibility



Total Integration Solution

A fundamental part of Integrated Control Technology's corporate philosophy is focused on the ability to integrate. This approach allows our products to maximize infrastructure and IT investments already available on site and add value to existing technology.

An impressive array of integrated third party systems shows our long term commitment to our customer's solution requirements.

DVR/NVR Integration

ProtegeGX integrates with a number of third party DVR / NVR systems providing a full featured event based DVR and NVR solution.

When using an integrated DVR and NVR solution with ProtegeGX you get the full picture.

- > Control DVRs, NVRs and cameras directly from ProtegeGX, including the ability to view live and historical footage
- > Video is triggered from events for pin point accuracy. Simply right click and view the video in a separate window with full screen and keyboard shortcut control
- > Link cameras to objects on floor plans and view video directly from the live floor plan view
- > Popular models currently supported include: Exacq, Avigilon, Hikvision, Geutebruck, Mobotix, Integral, and OnSSI systems with additional brands being added regularly. If you require support for another make of DVR, please contact ICT.

Building Control and Automation

Energy efficiency has become increasingly important in today's environment. Automated Building Control reduces your energy consumption and is one of the simplest ways to reduce your energy costs.

ProtegeGX offers a convenient, single-point solution for monitoring and control of your building's lighting, HVAC, energy management and environmental controls.

- > Activate lighting and HVAC automatically when an action or event is triggered in the ProtegeGX system.
- > Control room temperature and lighting levels based on the number of occupants in a room
- > Reduce the overall energy consumption and operating costs
- > Monitor critical temperature and alarms for refrigeration and ventilation systems and communicate alarms to both local maintenance staff and offsite to external monitoring response stations

Building Management Systems

Building Management Systems (BMS) play a key role when integrating with a security or access control solution.

The ProtegeGX system provides a significant number of integration options that provide dual path integration allowing for the transportation of events between multiple systems.

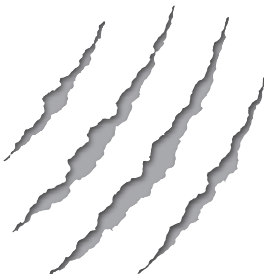
- > ProtegeGX system alarms can be transported offsite to an alarm monitoring station using industry standard reporting formats
- > Industry standard protocols are supported directly within the ProtegeGX System avoiding the necessity for any third party black box devices
- > Area, input, output, door and analog values can all be presented to any SCADA front end that supports the appropriate protocols
- > ProtegeGX has successfully integrated with the three major BMS HMI software providers

Intercom Integration

ProtegeGX enables integration with a range of third party Intercom systems to provide a complete access management solution.

The Intercom service provides a direct link to the intercom solution, allowing automatic token generation for elevators, doors and control functions.

- > Automatically pass tokens that will unlock doors and elevator floors for a defined period allowing visitor access
- > High level interface eliminates the need for relay connections and additional hardware
- > Full audit trail of the user who provided access to the visitor
- > Multiple tenant intercoms are integrated easily to allow elevator group routing for special use elevators



Hardware Modules

The Protege System is an enterprise level integrated access control, intrusion and building automation system. The modular design allows operation in single sites right through to multi-national corporations. Highly integrated 32 Bit microprocessor based Protege Integrated System Controllers and modules provide a feature packed adaptive system.



ProtegeGX DIN Rail Integrated System Controller

Our latest central processing device, built to match the unparalleled scalability of the ProtegeGX Integrated System Software. Responsible for the control of security, access control and automation in the ProtegeGX integrated system.

- > 400MHz ARM9 Processor
- > 64MB RAM and 128MB Flash Onboard
- > Supports 2 Readers onboard and expands to over 64 Doors and 1000 alarm zones
- > Internal industry standard 10/100 Ethernet
- > Communicate with Ethernet modules that are interconnected using a LAN or corporate network.
- > In-built offsite dual line communications dialer (ContactID, SIA)
- > 8x high security monitored zone inputs
- > Encrypted RS-485 module network
- > LED front panel displays status and diagnostic information
- > Industry standard DIN Rail Mount Enclosure

Code: PRT-CTRL-GX



Protege DIN Rail Mini 2 Reader Expander

Extends the number of card reader inputs on the system by 2 (4 when using Multiple Reader mode), the number of zone inputs by 6, and the number of PGM outputs by 8 providing flexible access control, area control and alarm monitoring.

Code: PRT-RDM2-DIN



Protege DIN Rail 16 Zone Input Expander

Extends the number of zone inputs on the system by 16, allowing monitoring of a wide range of EOL capable or open contact sensors for security and building automation purposes.

Code: PRT-ZX16-DIN



Protege DIN Rail PSU 12 VDC Power Supply

Provides 12VDC power, ideal for running security, access control or automation devices, along with large numbers of Protege network powered modules in the same installation. A continuous source of power is maintained with the inclusion of intelligent battery backup charging, optimal level maintenance and seamless switch on AC failure.

Code: PRT-PSU-DIN



Protege DIN Rail 8 Channel Analog Input Output Expander

Extends the Protege System by providing 8 highly configurable industrial sensor analog inputs that allow the interface of any 0-10V sensor devices. Additionally, the expander provides 8 highly configurable industrial instrumentation compatible analog outputs that allow the interface of any 0-10V actuator or controllable device.

Code: PRT-ANA8-DIN



Protege DIN Rail 8 PGM Output Expander

Extends the number of PGM outputs on the system by 8, featuring high current FORM C relays providing flexible and structured control of lighting and automation systems.

Code: PRT-PX8-DIN

The Protege DIN Rail range provides extensive hardware advancements and flexible access control, area control and alarm monitoring. Designed with an industry standard DIN Rail mount enclosure, the modules allow for seamless integration into large scale installations alongside high end HVAC and electrical switchboard components

DIN-Rail.

ICTProtegeGX®



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Designers & manufacturers of integrated electronic access control, security & automation products.

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