

 **PROTEGE**[®]
Protégé System Management Suite

Contents

- **Protégé System Management Suite**

- Convivial Operator Interface Navigation and Control
- Operator Workstations
- Elevator Control
- Graphic Floor Plans
- User Management
- Photo Identification
- Access Control and Security Alarm Integration
- Building Automation
- Serial Communications
- Digital Video Recorder Integration
- Reports and Filters
- Licensing

- **Standard Configuration**

- **Technical Specifications**

Protégé System Management Suite

The Protégé System Management Suite helps you to protect, manage and plan your security operation from one true integration platform. The Protégé System Management Suite utilizes the power of a Client/Server solution and TCP/IP communication to offer unsurpassed integration and effective management of local, remote and global building solutions.

The Protégé System Management Suite is a complete solution designed for the End User, Installer and Power User. Operating on the Microsoft® Windows® platform the Protégé System Management Suite allows efficient management of the Protégé integrated solution:

- Configure and manage users and user information from the Protégé shortcut bar, including the access levels, global areas and schedule configurations.
- Design, print and capture users photo identification details directly from the user at the time of enrolment or add the users photo from an existing file.
- Build and design floor plans, graphic maps directly from the user interface.
- Generate reports and detailed customized filters for exception reporting. Print, Preview and Export report information.
- Manage analog variable data, display variable information using custom gauges and display graphs.

Unlimited flexibility and connectivity allows the Protégé System Management Suite to scale effectively for any system from one to an unlimited number of Access Control Doors and Alarm Areas.

The Protégé System Management Suite has been designed to operate over standard TCP/IP Ethernet Networks communicating with the Operator Workstation and the Protégé System Controller.

Convivial Operator Interface Navigation and Control

Providing a fully end user focused management solution the Protégé System Management Suite offers new and power users simple easy to navigate programming windows as well as a solid feature set for data management.

- Presentation of data and information is clear and concisely provided inside a 3 window structure that puts every amount of control within reach of the operator.
- Multiple selection of records allows the group modification of parameters common to the selected records. Quickly change selected users access level, options or other group wide settings.
- Filter quickly by selecting predefined filters or create one on the fly as you need it. Searching is also made simple by using the find button available in every record.
- Use the shortcut buttons beside records to navigate through different programmed settings without the need to close and open other records, modify as you go and save configuration settings.

- Quickly configure an entire site using the Site Import function or configure a single controller using the default templates or load up a custom template created previously. Gets a site up and running in minutes.

Operator Workstations

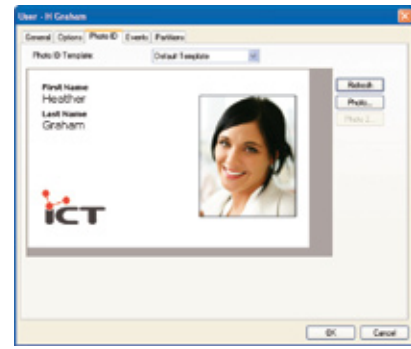
An unlimited number of operator workstations can be connected to the Protégé System Management Suite Server and operated wherever connectivity is available:

- A concurrent operator structure allows licenses for workstations to be used on multiple machines but limited to the number of concurrent operators.
- Windows® NT Authentication available for operators to log in.
- Unlimited operators and operator security levels allow the limiting of privileges for an operator from full administration access across multiple sites to a single door on a single site.
- History of operator actions and administration operations are recorded in the history log for review of operation actions.

Elevator Control

A true offline elevator control solution the Protégé System Controller and attached expansion modules provide the interface to the elevator system:

- HLI (High Level Interface) Communication with most popular elevator systems is provided by using the flexible service programming and PRT-COMM Serial Communications Interface on the system controller. A full online solution that does not require independent PC interface or hardware.
- Display elevator floor status per elevator car using the Graphical Floor plans and control a floor directly from the floor plan.
- Single Select Destination Reporting function preventing tailgating and providing a true selection audit.
- Advanced technology hardware interface solution offers one high voltage ultra high speed destination interface for connection from 0-270VAC or VDC.



Graphic Floor Plans

The Protégé System Management Suite offers a true vector based graphical floor plan designer with enhanced drawing functions as well as a large library of static and animated icons and designs:

- Drag and drop from the device list and then associate the device type with the graphic.
- Easily jump between pages using the button library.
- Manually control any object by right clicking the device and selecting from the context menu the action required.
- Display the status of all objects and devices available in the system.
- Import BMP, GIF, JPEG and popular graphic image formats as the background of the pages.

User Management

Using the Protégé System Management Suite and the Protégé Short Cut Bar allows quick navigation to common user management, users are presented in a searchable list with custom fields that can be searched or have a filter applied.

- Unlimited number of custom fields per user group.
- A user can have a custom page and then custom fields added to the custom page as required.
- All custom fields are searchable and can be used within a filter to list specific users by the custom data that is contained.
- Custom drop down lists, combination boxes, check boxes, numerical data and time and date fields are provided.
- Custom fields can be shown on Photo Identification cards specific to the user group.
- Global access levels allow the management of users across large multiple controller sites and globally connected solutions.

Photo Identification

Easily capture images directly from any Protégé System Management Suite client using the built in twain driver or import from an existing file.

- Crop and manage images using the photo capture tools and then store the image in the Protégé Server Database.
- All images are stored in the Protégé Server Database as a binary file server to the workstations as required.
- Photo image pop-up on door access displays the users photo image on the screen as they access a door. Up to 5 photo pop up displays can be open on a client.
- Print preview of any photo identification card can be sent to standard printers.
- Multiple card templates can be used for users each having different attributes and configurations.
- Supports Smart Card chip, magnetic stripe and block out areas for printers.
- Batch printing of groups of cards for rapid deployment of photo identification cards.

Access Control and Security Alarm Integration

Bringing the most advanced alarm integration to the market the Protégé System Management Suite offers integration at the highest possible level:

- Entry and Exit areas for the management of Anti-Passback to a multiple level multiple area setting.
- Arm and disarm areas based on the door being accessed. Deny access to users based on their ability control alarms preventing false alarms by unauthorized entry.
- Count users in to specific regions by area and disallow on certain maximum counts reached. Activate PGM outputs based on Count settings.
- Multiple Badge Arming, Button Arming and Count Zero arming options for any area that is configured.
- Smartzone® technology reduces false alarms and enhances the security of areas.
- All popular formats of alarm communications Contact ID, SIA Level 2 and other variants available as part of the standard system.
- Loiter control of car parking solutions allows protection of parking premises, control of lighting and panic button processing.



Building Automation

Building on the integrated structure of the Protégé System the Protégé System Management Suite offers the connection of Variable Tags to data values located in Protégé System Controllers. This flexible approach coupled with the Programmable Functions in the Protégé System Controller provides a powerful PLC (Programmable Logic Controller) type structure in every system controller:

- Data variables can be linked to sensor inputs from the Analog Modules (PRT-ADC4 and PRT-DAC4) and then displayed using line intersect calculations.
- Show variable data using seven segment multiple color displays in the graphic floor plans or link the variables to any of the gauges within the library.
- Use the programmable functions to link ANY programmable output with custom logic control, ripple outputs, roof top heat back, value comparison and door processing functions.
- All data variables can be updated and changed from the Protégé System Management Suite with Raw data values or scaled data.
- Interface ANY sensor technology that supports 0-20mA, 4-20mA or 0-10V inputs and outputs for an unlimited number of control solutions.

Serial Communications

Protocols and communication interfaces are the link from the system controller to the real world and the Protégé System Controller provides an infinite number of solutions for connectivity with ERP and other applications:

- Serial Text output live from the controller (TCP/IP or EIA/RS232) with computer modes and acknowledge options.
- Easily integrate with Paging Solutions, Intercoms and ERP systems for time and attendance.
- Link to industrial and home automation communications protocols directly from the system controller.

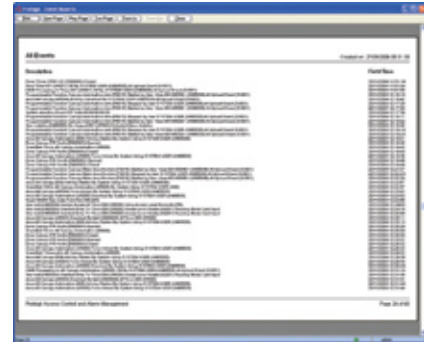
Digital Video Recorder Integration

Integration too many popular digital video records and allow live display of video images within the Protégé System Management Suite:

- Live Video Verification with fixed Photo Identification Image and DVR camera allows operator to grant or

deny access to a door based on live data and user photo.

- Auto link events within the Protégé System Management Suite to cameras for instant pull up of associated video.
- Live video cameras can be controlled and managed from the Protégé System Management Suite and PTZ controls are available on the display.
- Automatic pop up on card presentation options per door.
- Configuration multiple DVR units and different DVR units within the same site.



Reports and Filters

A comprehensive range of in built pre configured reports are available with an unlimited number of reports available:

- General activity and all events reports can be selected to have prompting by time and date.
- Database reports and print previews can be access immediately from the programming windows and presented in a detailed or compact view.
- Report on event view can be activated presenting the operator with a snapshot of the event window.
- Muster or Evacuation Reporting provided from an area or across multiple areas.
- Customise any report or configure any level of filters to generate reports that are easy to manage and present information in a clear and concise format.

Licensing

The Protégé System Management Software is licensed to an end user for a period of 12 months from the date the system is installed. Updates to the Protégé System Management Suite during the licensed period are provided to the end user. Once the licensed period has lapsed the end user has the decision to renew their license to ensure there facility keeps up to date with the latest developments and features. Firmware updates are provided to end users without the need for any license and can be installed by any qualified Protege System Integrator.

<p>Server Computer Specifications: Pentium 4 2.5GHz (Pentium 4 3GHz or higher recommended), 512MB RAM (1GB recommended), 20GB free disk space (40GB recommended), If using a Modem connection or a Remote Dial-Up connection it is recommended that a US Robotics 56k baud modem (external/internal) is installed. If using the TCP/IP connection with controllers (recommended) you will require an appropriate Ethernet card. Speak to your network administrator for more information and IP address assignments. For isolated security communication networks a second ethernet card maybe required. Windows® XP® Professional Edition, Windows 2003 Server (recommended) or Windows 2000 Professional Edition.</p>	
<p>Client Computer Specifications: Pentium III 1000MHz (Pentium III 1300MHz or higher recommended), 128MB RAM (512MB recommended), 1GB free disk space (8GB recommended), A suitable network interface for connection to the Protege System Management Suite Server. Windows XP Professional Edition (recommended) or Windows 2000 Professional Edition.</p>	
Database	MSDE, SQL 2000, SQL 2005
Card Printer	Any Microsoft® Windows® Compatible Card Printer
Reporter Printer	Any Microsoft® Windows® Compatible Printer
Operator	Unlimited
Workstations	Unlimited
Operator Security Levels	Unlimited
System Controllers	128 per site
Sites	Unlimited
Users	100,000
Individual Event Colors	All Events
Global Access Levels	Unlimited
Event Database	Unlimited Events
Elevators	64 Floors, Multiple Floor Opening Support, 16 Elevator Cards HLI Interface Using RS232 or RS485 Interface
Zone Inputs	Limited By Connected Hardware Only
Programmable Outputs	Limited By Connected Hardware Only
<p>The Operation of the system can be affected by the frequency of event information, the number of system controllers, operators and building automation requirements. Please consult Integrated Control Technology with your requirements to ensure best solution for your client.</p>	

International Compliance Standards:

The Protégé System Management Suite complies with the following international standards.

For an installation of the Protégé System Management Suite to comply with any of the standards all installation procedures and programming configuration settings must be made in accordance with the required standard.

**Disclaimer:**

Whilst every effort has been made to ensure accuracy in the representation of this product, neither Integrated Control Technology Ltd or any employee of the company, shall be liable on any ground whatsoever to any party in respect of decision or actions they may make as a result of using this information. In accordance with the Integrated Control Technology policy of enhanced development, design and specifications are subject to change without notice.

Designed and manufactured by:

Integrated Control Technology Limited

Protégé® and the Protégé® Logo are registered trademarks of Integrated Control Technology Limited.

Copyright © Integrated Control Technology Limited 2003-2008. All rights reserved.

**Integrated Control Technology Limited**

Unit C, 6 Ascension Place, Mairangi Bay, Auckland, P.O. Box 302-340, North Harbour, Auckland, New Zealand

P +64 9 476 7124, F +64 9 476 7128

support@integratedcontroltechnology.com

www.integratedtechnology.com

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