

www.GEsecurity.com

Overview

The Sapphire Pro system provides a fully integrated solution for access control, security, alarm monitoring and photo ID badging applications. Sapphire Pro is ideally suited for medium to high-end sized facilities and delivers unsurpassed simplicity and performance with such unique tools as Auto Configuration, Data Guard and Instant Access. Sapphire Pro's Internet browser platform and Interactive Color Graphics features redefine the industry standards for operational simplicity. The Sapphire Pro system offers reliability, functionality and connectivity.

Sapphire Pro offers an extensive range of tools to customize the system to meet the requirements of the user. Incorporated in the software are predefined operator types, time schedules and access groups that are suitable for use by the majority of system users. These features combined with batch card loading and Auto Configuration ensure that the system is fully operational with a minimum of time and effort.

Sapphire Pro offers Database Partitioning and Multiple Server operation, with up to 32 workstations per server. Each workstation supports local report and event printing and may be used as an enrollment or assessment station for the integrated badging system.

Internet Browser Interface

Sapphire Pro utilizes the Microsoft Internet Explorer browser to offer a distinctive but familiar user interface. Ergonomically designed, the user interface is easy to use and offers a familiar Internet type of environment in which to enter database and configuration information.

Auto Configuration

This unique tool provides a means to get the system up and running in the shortest amount of time. Auto Configuration allows system programming and expansion by automatically detecting and configuring field hardware, readers, alarm points, modems and workstations. Once the field hardware has been detected, Sapphire Pro configures it automatically into the database for a fully functional access control system. Sapphire Pro also prompts you to batch add cards, activating them immediately. This provides a system that is ready to operate and allows you to customize later.

Sapphire Pro

High-end access control for enterprise solutions



Standard Features

- **Browser based interface**
- **Video imaging and photo ID badging**
- **Interactive dynamic graphics**
- **Flexible report generation**
- **CCTV camera and PTZ control**
- **Photo display on access request**
- **Global alarm linking**
- **Workstation group alarm routing**

Sapphire Pro

High-end access control for enterprise solutions

Badging

Create badges easily utilizing Sapphire Pro's integrated video badging and photo ID options found in the fully integrated badging system. The video badging and imaging features include a full badge design and drawing package with multi-layer design tools. The full editing package includes copy, paste, automatic centering and full drag and drop capabilities. The sophisticated photo capture tool provides vertical and horizontal photo centering controls, brightness, contrast, color, intensity and hue controls for the photo image. In addition, it features a multi-frame capture, which allows the subject to choose the best likeness from several photos. Camera settings can be stored for prevailing ambient light levels. Photos may be obtained remotely from video cameras and digital still cameras and imported from .jpg files.

Interactive Color Graphics

Operators have full system control through the use of dynamic alarm, reader, relay and security area icons displayed in the graphics map. The maps have full drill-down capabilities. Alarms may be acknowledged, masked and secured from mouse clicks on the appropriate icons. Camera control, including pan-tilt-zoom, is also available.

Report Generation

Report generation provides many pre-configured reports, arranged by cardholders, operators, individual device types (i.e. workstations, field panels, readers, alarms, relays) system events, alarm events, alarm history, and operator actions. In addition, the system is equipped with a point-and-click customizable employee report generator tool with user defined multi-level filtering.

Instant Access

Eliminate waiting for access during the download of database information to field panels with Sapphire Pro's Instant Access. When it is necessary to download data to field panels over a dial-up modem, LAN or extended RS-485 communication link, the Instant Access feature ensures that the full functionality of the database is available at any field panel location and provides access from the server.

Data Guard

This feature eliminates database corruption in field panels due to communication failures during downloads. In many cases, without this feature, a

severed connection would leave a field panel unable to grant access or announce alarms. Data Guard ensures the integrity of the database in the field panel.

Burglar Alarm Functionality

Sapphire Pro provides the resources for your total security system integration, including LCD keypad displays for complete burglar alarm functionality. Area masking and reporting features include delayed ingress and egress arming, disarming, alarming, and proprietary central station reporting.

CCTV Camera and PTZ Control

Complete CCTV camera and PTZ control and display allows operators to view an entire area. These features are also available directly from the dynamic color graphics module.

Upgradable/Backward Compatible

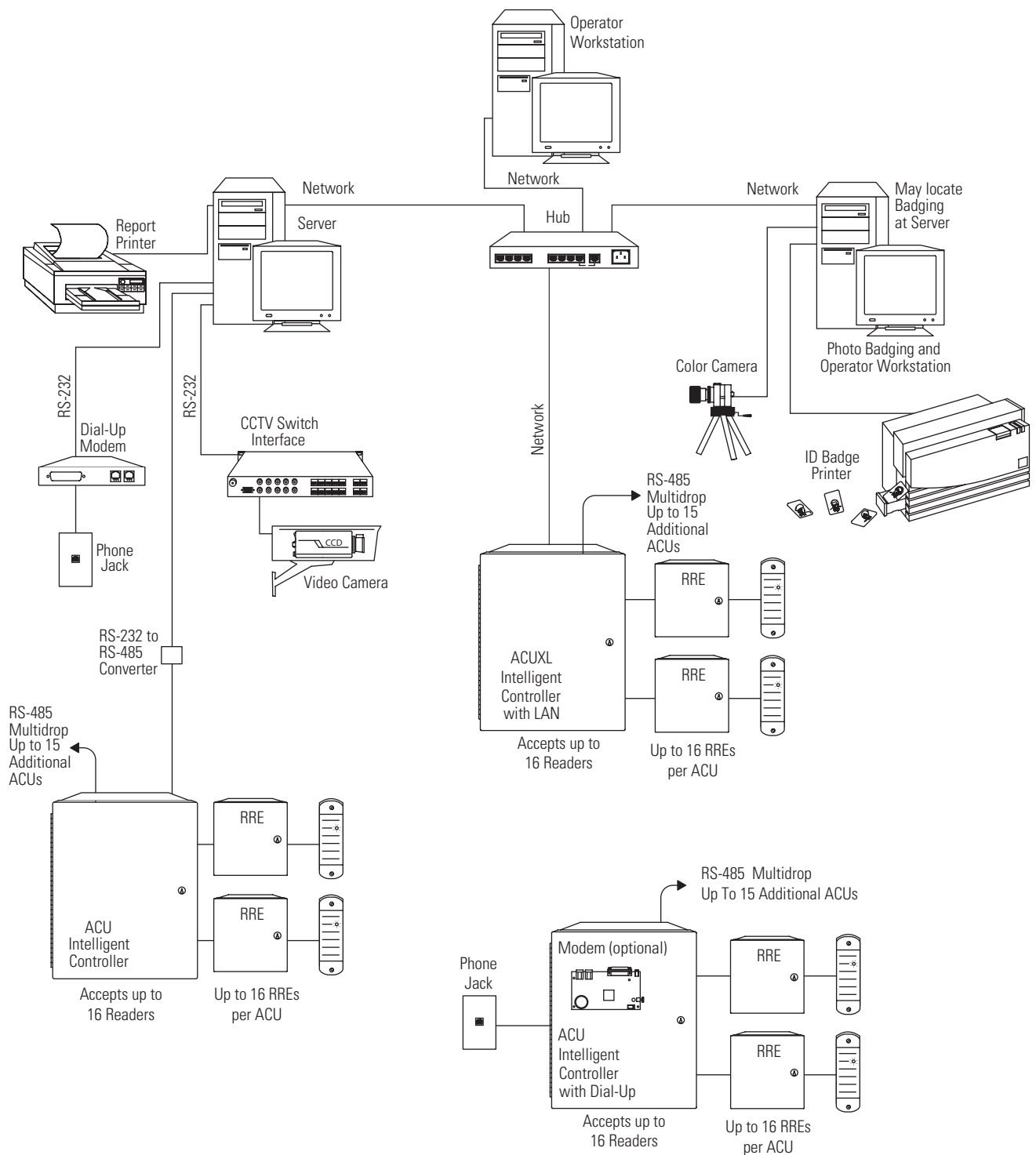
Sapphire Pro is upgradeable to much larger and more sophisticated functionality without the need to re-configure or re-enter data into the system. Sapphire Pro systems come configured in modularly upgradable 16 to 512 reader packages. For further expansion to unlimited reader, alarm and relay capacity, it is simple to upgrade to any level of the powerful, enterprise Diamond II systems.

Tutorial

Sapphire Pro is designed with ease of use in mind by incorporating help text, manuals and flyover prompts.

Interactive Device Tree

Sapphire Pro provides a device tree for efficient viewing, updating and programming of any devices connected to the system. With a click of the mouse, the user can select a device from the tree, taking them immediately to the correct configuration screen.



Sapphire Pro

High-end access control for enterprise solutions

Specifications

Maximum System Capacity

- Readers: 512
- Cardholders: 20,000
- Alarm points: 16,384
- Output points: 10,000
- Security areas: 2,000
- Field panels: 128
- Time schedules: 255
- Holidays: 32
- Operator passwords: 512
- Clients: 31 (plus 1 on the server)
- Access groups: 2,000
- Elevator floors: 128
- Security areas per card: 128
- Color graphics maps: 1,000
- Access groups per card: 32
- Instruction messages: 512
- Operator groups (when using partitioned database software): 254

PC Requirements

- Intel® Pentium® 4, 1.8 GHz processor
- Windows 2000 Professional operating system
- Monitor: 17" recommended
- Monitor resolution: 1024 x 768 x 65,535 colors
- RAM: 512 MB minimum
- Video memory: 4 MB
- 3.5" 1.44 MB floppy drive
- Disk space required: 2 GB
- CD ROM drive: 20x
- Serial ports: 1 minimum
- USB port: 1 minimum for Software Sentinel
- Sound card and speakers
- LAN adapter
- Removable disk for backup



Enterprise Solutions, 791 Park of Commerce Boulevard Suite 100, Boca Raton, FL 33487
Tel: +1 (561) 998-6100 - U.S.A. Toll Free: 1 (800) 428-2733 - Fax: +1 (561) 994-6572 - Internet: <http://www.GEsecurity.com>