

SmartGuard Series Softwares

Features

The CASTLE SmartGuard series of PC based access control system management software are specially designed for ease of use by all levels of user. It is a powerful security access management software system with multi-user and multi terminal networking capabilities. They are all menu driven and graphical software where ordinary PC users can use them with minimum supervision.

Easy to setup and use.

SmartGuard is easy to setup and use. Basically, a standard Celeron 466MHz PC with 32MB RAM and 20 MB free hard disk space for program files and one free serial comm port to link up to the controllers. This is a very standard PC specifications that makes the source and maintenance of the PC hardware just a very minor problem.

Dynamic Floor Plan

The software is capable of displaying the layout of the site. Each device installed in the site is represented by a corresponding icon on the floor plan layout in SmartGuard. User can click on the icon to perform command on to the device. The icon will also blinks or changes colors when certain events occurs on the corresponding device. Software users can Add/Change Floor Plan Layout Setting themselves. They can easily reposition a device simply by drag-and-drop of the corresponding icons. The floor plan layout configuration systems is included in the SmartGuard as standard feature.

Built-In Time Attendance Listing Generation

SmartGuard comes with a time attendance report generation sub-system as standard feature. Since the access system has already recorded all the movement of the staff, SmartGuard make use of this information to produce the time attendance report without additional cost. It is capable of listing staff daily absenteeism, late-in, late-out, early-in, early-out, total worked hour and total OT hours.

SmartGuard Pro and above has an enhanced time attendance report generation engine. It is capable of allowing attendance record editing and generate monthly attendance report. It is also capable of generating time attendance listing based on Flexi-Hour setting. Staff leave dates can be keyed in to the system so that the attendance listing becomes more meaningful when staff in on leave.

Acts as access system transaction server for 3rd party integration

SmartGuard comes with an access system transaction server sub-system for 3rd party integration. Programmers can write software to request for the latest transaction either from the same PC or a remote PC from SmartGuard in order to perform their own special task. This is implemented through Winsock inter-process communication. The SmartGuard acts as a Socket Server to listen and reply to the request of the 3rd party clients. SmartGuard will keep the latest 200 transactions in memory for transactions server.

Menu Command Accessibility Control

Accessibility to the menu commands can be controlled. You can assign proper menu command accessibility to the software operators in order to maintain your system integrity

System Personalization

Company name and logo can be printed on the report in the software to personalize the report output. In addition, user database allows 2 user definable field to cope with the personalized needs of different company.

Industrial Database Format makes it easy to integrate

SmartGuard Standard / Pro is using Dbase file format for data storage. It is an industrial-graded well-known database format. This makes it easy to be integrated other software systems since data can be exported out easily. Networking version of SmartGuard use SQL based database server for data storage (such as MS-SQL)

MODELS AVAILABLE:

- SMARTGUARD STANDARD
- SMARTGUARD PRO
- SMARTGUARD PRO-REMOTE / SMARTGUARD AGENT
- SMARTGUARD CLIENT - SERVER

SmartGuard Standard comes with the entire standard feature which is sufficient for managing CASTLE access control systems and built-in simple daily Time Attendance reporting.

SmartGuard Pro comes with all the features found in SmartGuard Standard version plus many enhanced features such as enhanced time attendance for record editing and monthly attendance report generation, personalization and manages lift access controller and many more.

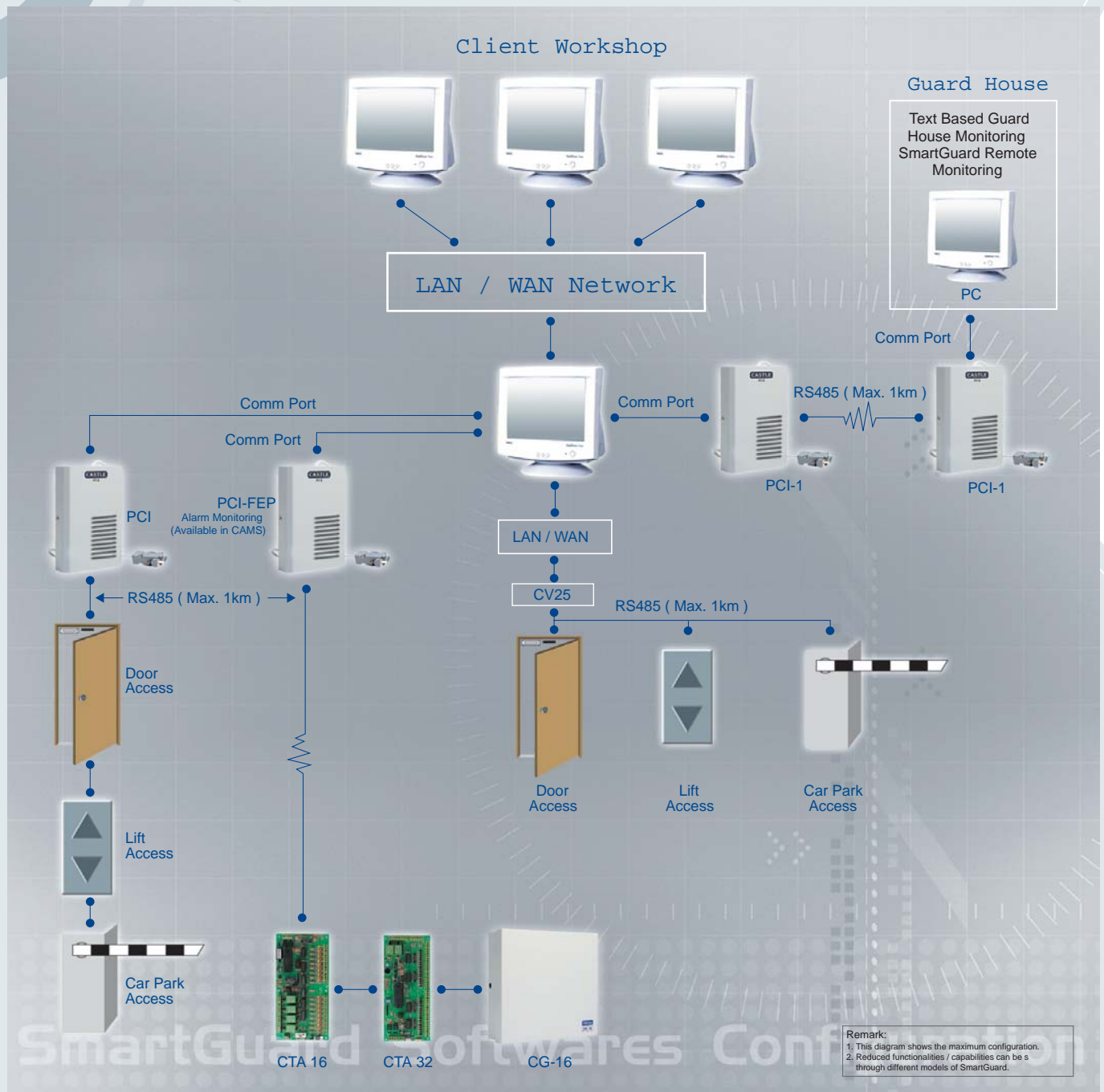
SmartGuard Pro - Remote can monitor and control up to a maximum of 128 doors. The controlling can also be done on the controller itself. The users can remotely perform a wide range of supervisory, control and monitoring function centrally from one computer, hence simplifying the jobs of the system administration. All the controllers are linked to the PC where the software resides in. **SmartGuard Agent** act as gateway between the SmartGuard Pro Remote and the Remote control and runs on Win9X or WinNT. It communicate with SmartGuard Pro Remote through TCP / IP and CASTLE Controller through comm port (RS 485)

SmartGuard Client - Server comes with all the features found in SmartGuard Pro plus multi-user, networking capabilities. Software user can perform the entire normal task on the remote PC just like on the same PC. Therefore, software user can remotely monitor, change and even generate reports without having to go to the PC where the controller is attached. In addition, it allows up to 3-software users to access the system at the same time. The networking system is based on the Windows Socket Communication Systems. The software package bundled with database server, a communication server and the client software at a very cost-effective price for implementing such system.

Key Specifications Comparison Chart

	Standard	P R O	PRO Remote	Client Server	
1	Can manage up to 16/32/48/64 controllers (256/512/768/1024 doors)	●	●	●	●
2	Can manage Castle's controller for door and car park access system	●	●	●	●
3	Can manage Castle's controller for lift access system	●	●	●	●
4	Interlocking (4T controller only)	●	●	●	●
5	Alarm event trigger PC buzzer	●	●	●	●
6	Online transaction viewing	●	●	●	●
7	Online transaction printing by using Dot Matrix Printer	●	●	●	●
8	Dynamic graphical floor plan display	●	●	●	●
9	Floor plan containing the highest priority alarm will be brought up when alarm occurs	●	●	●	●
10	Automatic transaction data logging	●	●	●	●
11	Online Help feature	●	●	●	●
12	Short cut key	●	●	●	●
13	Unlimited cardholder records (limited to hard disk spaces)	●	●	●	●
14	Extra column for user information setting	●	●	●	●
15	Cards holders photo image feature	●	●	●	●
16	User configurable company name and logo setting	●	●	●	●
17	98 sets of user programmable access level and 2 pre-defined access	●	●	●	●
18	Support holidays	●	●	●	●
19	User definable door accessibility	●	●	●	●
20	User definable floor accessibility with floor zone setting	●	●	●	●
21	Individual / global door accessibility	●	●	●	●
22	Menu item accessibility can be assigned individually to each software user	●	●	●	●
23	Password protected software user	●	●	●	●
24	User configurable floor plan setting	●	●	●	●
25	User definable operation time sets and time zone	●	●	●	●
26	Multi search key order function	●	●	●	●
27	House keeping utilities - outdated transaction purging database backup and restore	●	●	●	●
28	Industrial database format - DBASE IV as transaction storage for easy integration	●	●	●	●
29	Use SQL based database engine	●	●	●	●
30	Comprehensive report generation for all data setting, transaction report and time attendance report	●	●	●	●
31	Simple time attendance report generation (up to daily)	●	●	●	●
32	Simple time attendance report generation (daily and monthly)	●	●	●	●
33	Flexi-Hour attendance setting	●	●	●	●
34	Staff leave management - Can generate leave slip	●	●	●	●
35	Staff overtime eligibility setting	●	●	●	●
36	Automatically calculate Over Time	●	●	●	●
37	Over Time starts grace period	●	●	●	●
38	User definable working hour and grace period setting	●	●	●	●
39	Card holders tracking	●	●	●	●
40	Card holders distribution	●	●	●	●
41	Car park collection setting	●	●	●	●
42	Act as access system transaction server for 3rd party - allow 3rd party software to capture online transaction	●	●	●	●
43	Use together with Smartguard Agent or CV25 for remote connection	●	●	●	●
44	Easy to use and setup	●	●	●	●
45	Menu command accessibility control	●	●	●	●
46	System Personalization	●	●	●	●
47	Multi-user, multi-terminal architecture	●	●	●	●
48	Runs on Windows Winsock TCP / IP networks	●	●	●	●
49	3 concurrent Client Access License	●	●	●	●
50	Bundled with PCI-CS RS-232 - RS-485 Communication Interface	●	●	●	●
51	Transaction exporter feature	●	●	●	●
52	Modem / Remote Terminal Setting	●	●	●	●
53	Web Enabled Application with Internet and Internet ready application	●	●	●	●
54	Multi-users and multi locations access applications (with a correct configuration links installed, LAN or WAN connection)	●	●	●	●
55	User friendly environment by using Web browser as a user interface	●	●	●	●
56	Easy deployment for the client application at the runtime machine	●	●	●	●
57	On-line HTML helps messaging	●	●	●	●

System Configuration



Computer Requirements :

SmartGuard Standard / Pro / Pro-Remote

- Microsoft Windows 9x or NT4 (Workstation or Server) or higher
- PCAT with
 - Celeron 466 MHz Processor or better
 - 32 MB SDRAM or higher
 - 20 MB free disk space for program file storage
 - At least 500 MB free disk for data file storage and system temporary file
 - 2 free comm ports
 - Display system capable of displaying 800 x 600 resolution
 - Mouse and keyboard
 - Backup drive (can be floppy drive or Zip Drive)
- 1 UPS for preventing temporary power interruption

SmartGuard Client-Server / Web-Enabled Application

- Microsoft Windows NT4 Server (SP3) or higher
 - Internet Information Server 4 (Web Server Application)
 - MS-SQL6.5 or higher
- PCAT with
 - Pentium III 550 MHz Processor or better
 - 128 MB SDRAM or higher
 - 100 MB free disk space for program file storage
 - At least 500 MB free disk for data file storage and system temporary file
 - 2 free comm ports
 - Display system capable of displaying 800 x 600 resolution
 - Mouse and keyboard
 - Backup drive (can be floppy drive or Zip Drive)
- 1 UPS for preventing temporary power interruption