

ACCESS CONTROL SOLUTIONS

ACTEC SERIES

CONTENTS



Introduction	1
Our Global Solution	2-3
Security and Building Management Architecture	
ProNet PLUS Software	4-6
The Combination of Power and User Friendliness!	4
Actions, Processes and Global Reflexes	5
Personalised Report Wizard	5
Import from External Database	5
Time & Attendance	5
Multi-Tenant & Multi-Site Multi-Polling Applications	6
Additional Modules	7-8
CCTT Control	7
Badge Design & Printing	7
OPC Server & Modbus IP Interface	8
Parking	8
Lift Control.....	8
Guard Patrol Program	8
Multi-Workstation Support	8
Hardware: AcNet Series.....	9
Extension Boards	10
AcNetPro	11-12
Stand Alone Controllers	13

ON-LINE ACCESS CONTROL & ALARM MONITORING SYSTEMS

CROW ELECTRONIC ENGINEERING LTD.

The company was founded in 1982 with the specific aim of developing, designing and manufacturing advanced products for the security industry.

The company's commitment to innovative design and quality has ensured that Crow has established itself as one of the very top names in the international security market.

Why choose CROW?

The Crow Group is a worldwide leading designer and manufacturer of electronic intruder alarm systems and detection devices. The company provides professional installers with the highest standards of performance as well as innovative and cost effective solutions.

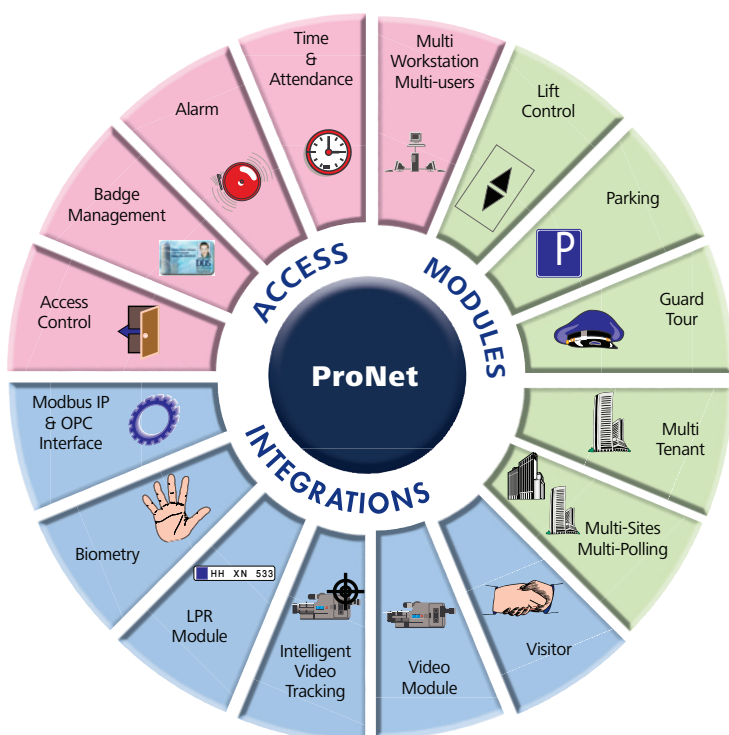
With a full range of wired and wireless control panels, intrusion alarm detectors, unique outdoor detection devices, access control systems and smart communication accessories for the security industry, the Crow Group offers its proven expertise and satisfies the evolving needs of the security marketplace.

Crow's products are used worldwide by professional installers and central stations to protect life and property in residential, commercial, industrial and military environments.

The Company has established a worldwide dynamic network of distributors and sales offices, making the best use of its most advanced technologies, state-of-the-art R&D and manufacturing facilities.

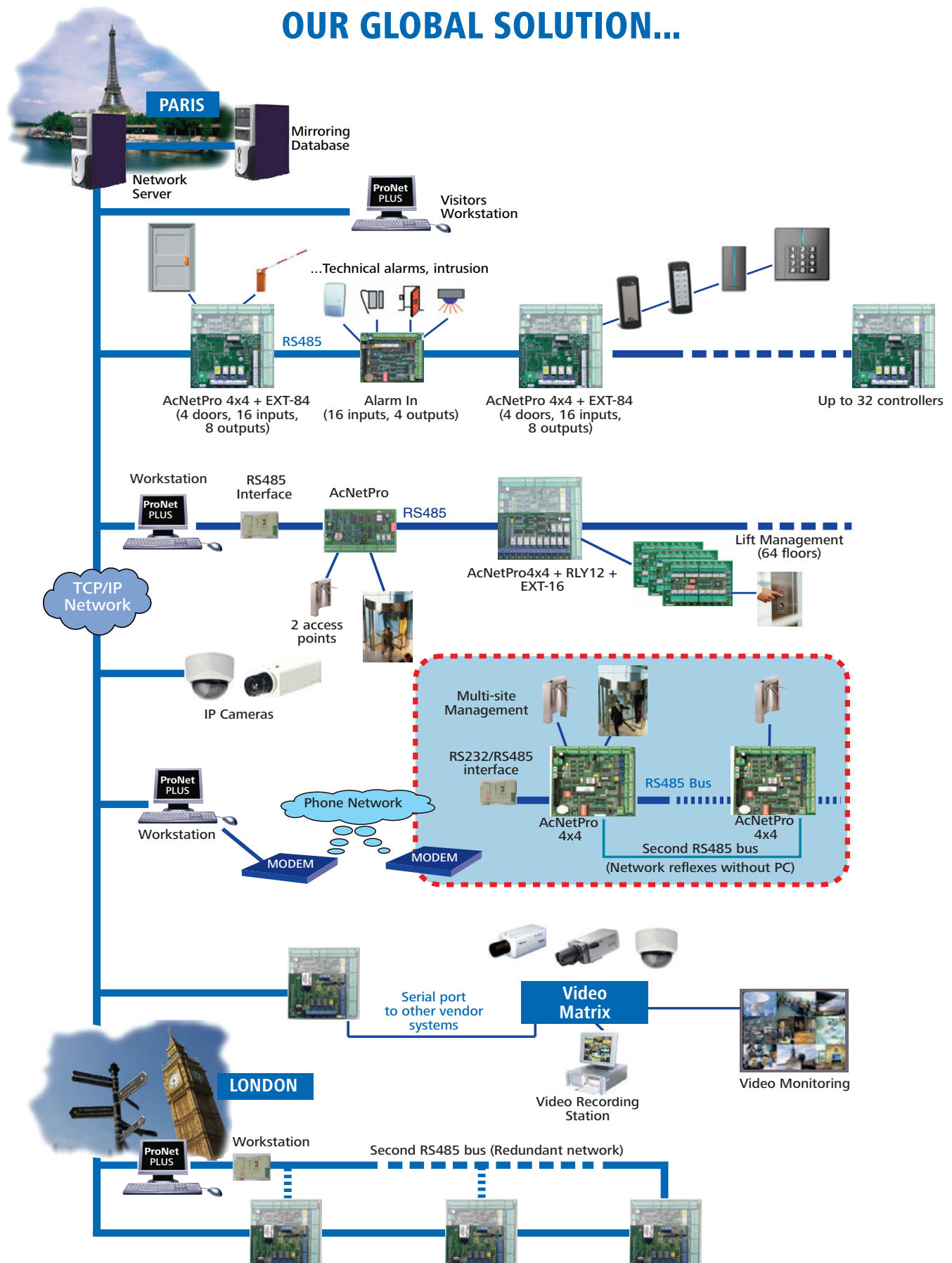
Its Total Quality Management is in line with the latest international standards.

OUR SMART SOLUTION...



CROW SECURITY & BUILDING MANAGEMENT ARCHITECTURE

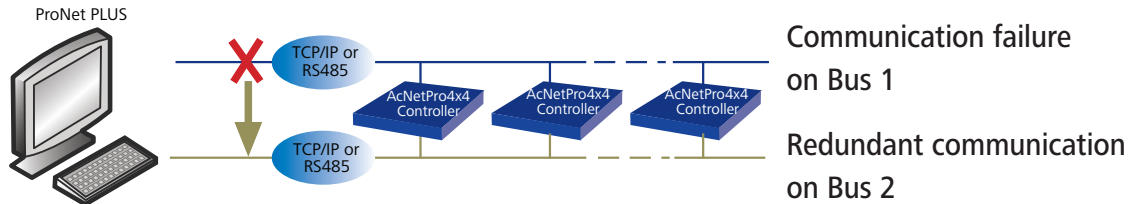
OUR GLOBAL SOLUTION...



CROW has incorporated special features in the latest state-of-art design of the AcNetPro PLUS controllers, for use in large high-security applications.

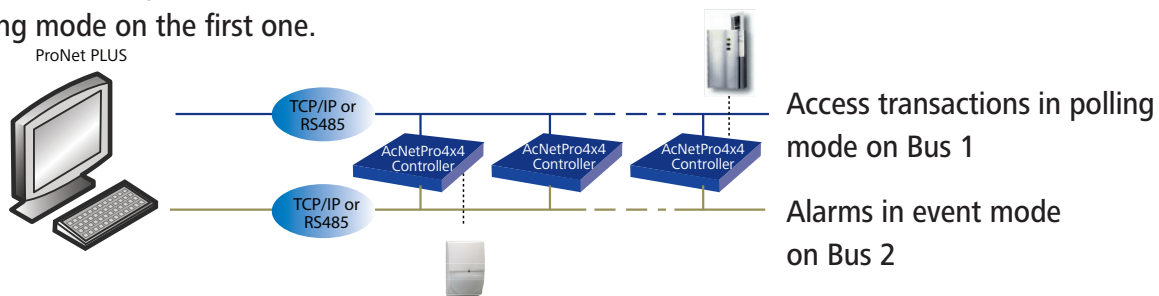
Redundant Communication

If connection fails on the first bus (TCP/IP or RS485), then communication is automatically and instantaneously transferred to the second one.



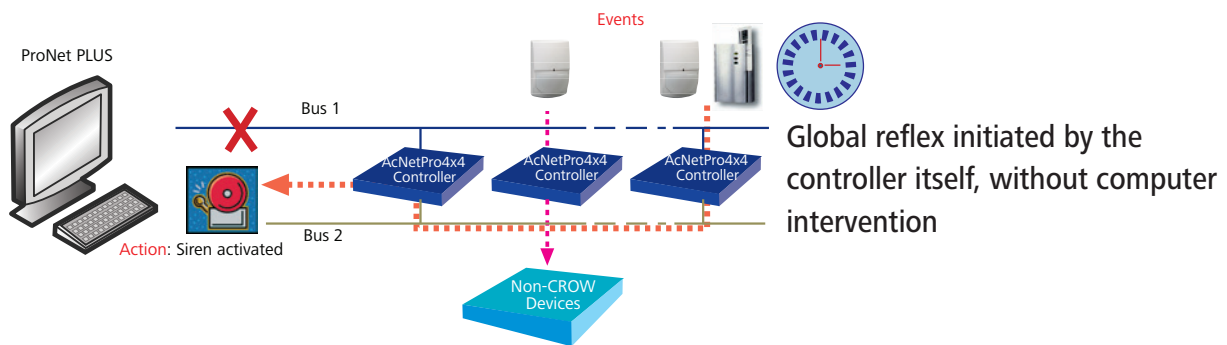
Alarm Event Mode

Alarms are instantly transmitted in event mode on the second Bus, while access transactions are being reported in polling mode on the first one.



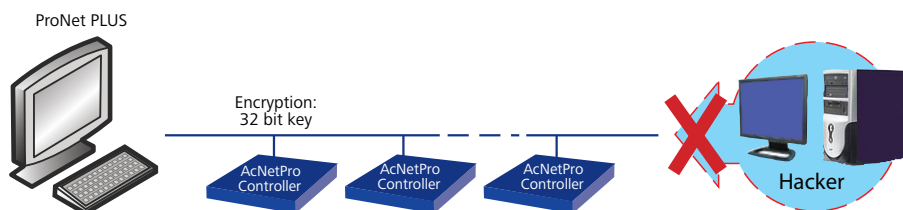
Global Reflex without Computer

Some specified events (alarm, access or schedule) can trigger an action to other CROW controllers connected to the same network, or to non Crow Devices without any computer intervention.



Communication Encryption

Hackers are prevented from interfering with the network, thanks to a 32 bit key encryption technology within the security management system.



ProNet PLUS SOFTWARE

The Combination of Power and User Friendliness!

ProNet PLUS is a very sophisticated software for access control and alarm management. ProNet PLUS can monitor unlimited cardholders and unlimited of controllers in multiple workstations, multi-tenants and multi-sites applications.

ProNet PLUS is compatible with:

- Windows 2000-PRO
- Windows XP-PRO / Vista
- Windows 2003 Server
- MS SQL server 2000

ProNet PLUS is easy to configure and use

Pre-configured parameters allow a very fast installation.

Easy installation

The database contains the basic setup and gets the system up and running in minutes.

Extremely end-user friendly

All settings or adjustments according to company's requirements are possible in just a few clicks.

Efficiency and security

Thanks to database mirroring, system redundancy and import/export of databases.

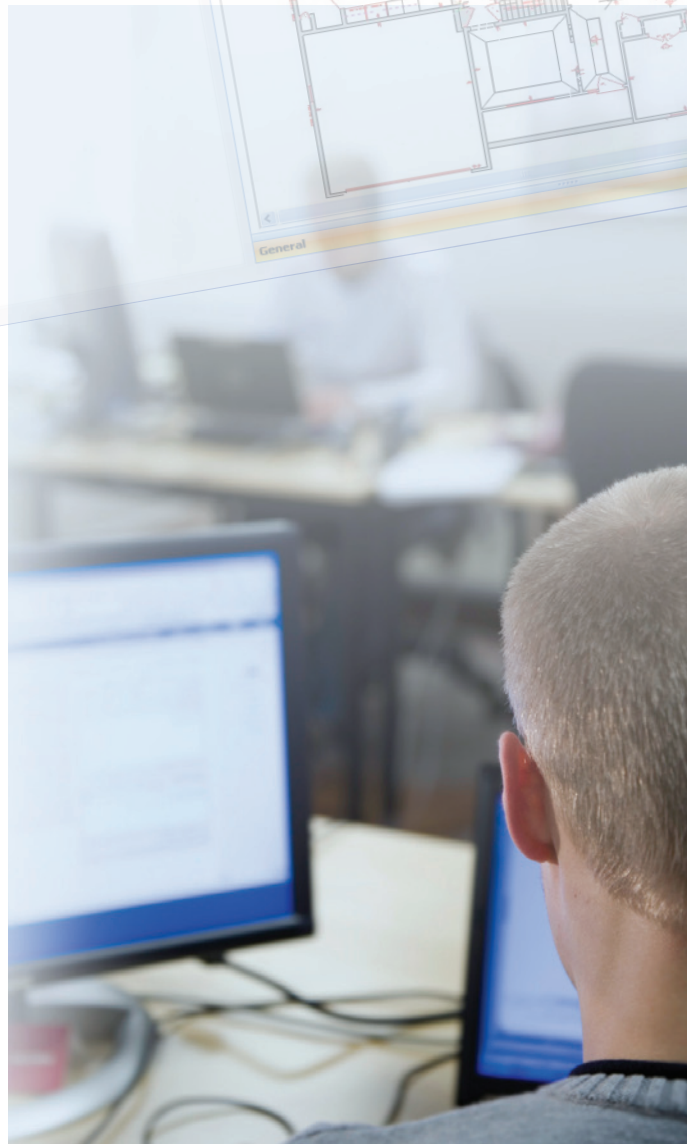
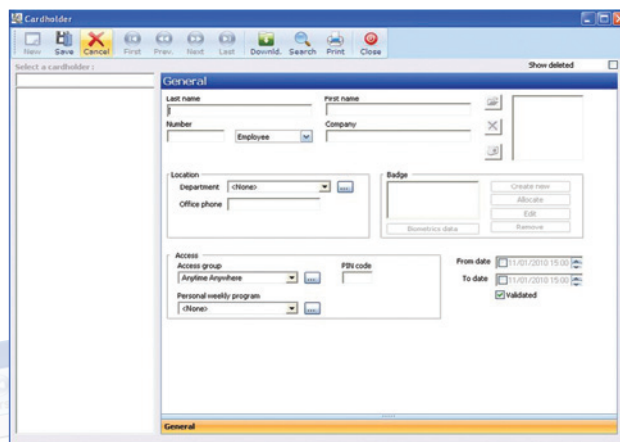
Built-in Advantages

Huge system capacity:

ProNet PLUS supports unlimited number of doors, readers, programmable inputs, relays and access levels.

Real time monitoring

of alarm and movement. All information is provided on the Event Log, Diagnostic Screen and Interactive Maps.



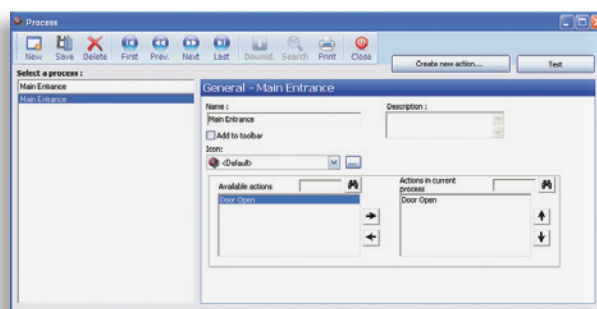


Actions, Processes and Global Reflexes

All actions are available to be sequenced within processes and incorporated into global reflexes, triggered upon predefined events (access, alarm, schedule, etc.).

The following actions can all be activated automatically:

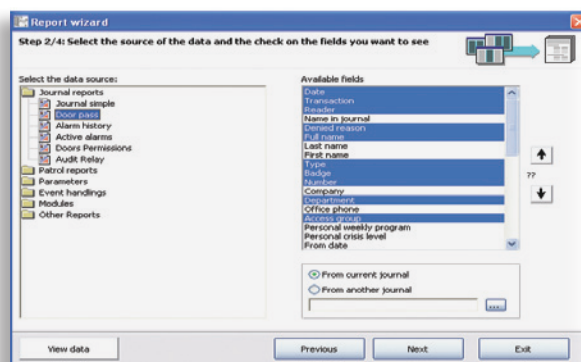
- Flashing icons
- Visual / audible instruction
- External application opening
- Generation / printing / exporting of reports



- Arming / disarming alarm zones
- Card invalidation
- Programmed relay activation
- And more...

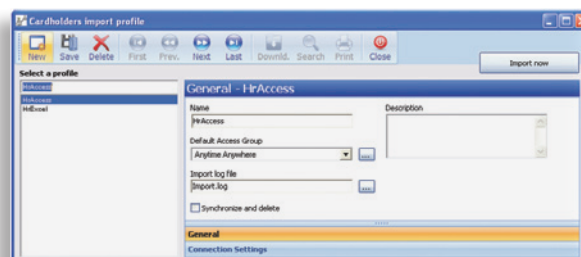
Personalised Report Wizard

ProNet PLUS incorporates a user friendly and powerful report wizard for generation, update and export of personalised reports, which can be saved in widely used formats. Reports are compiled from the event journal or from the system database.



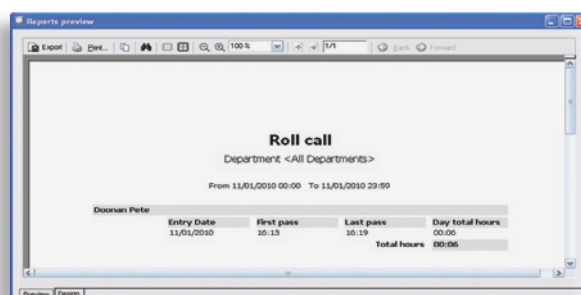
Import from External Database

The ODBC compliant database of ProNet PLUS facilitates communication with third party databases. It allows an easy transfer of the cardholder information from the human resources department, on a regular basis. Automatic import between the two databases can be activated using the global reflex "Scheduler".



Time & Attendance

Time & Attendance reports show how long cardholders have spent on the site. It eases the calculation of individual or groups of employees daily and total hours over a definable period. The employees transactions can easily be exported to external Time & Attendance or payroll applications.



Multi-Tenant & Multi-Site Multi-Polling Applications

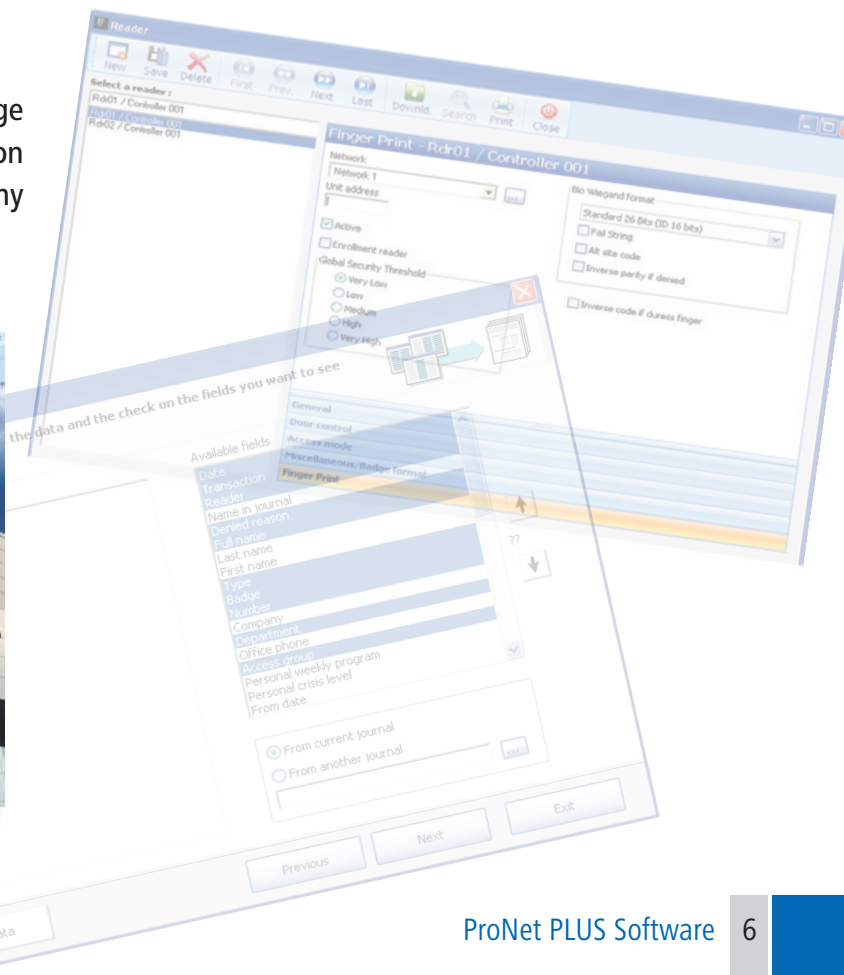
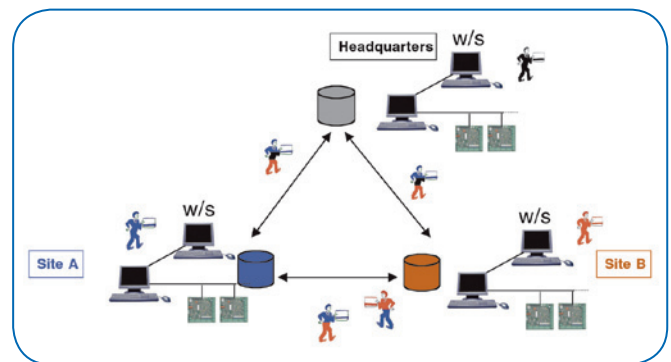
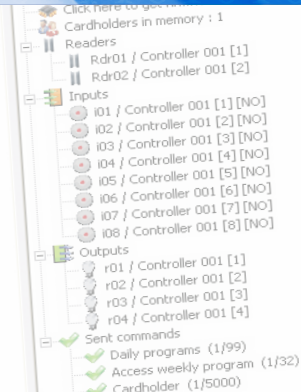
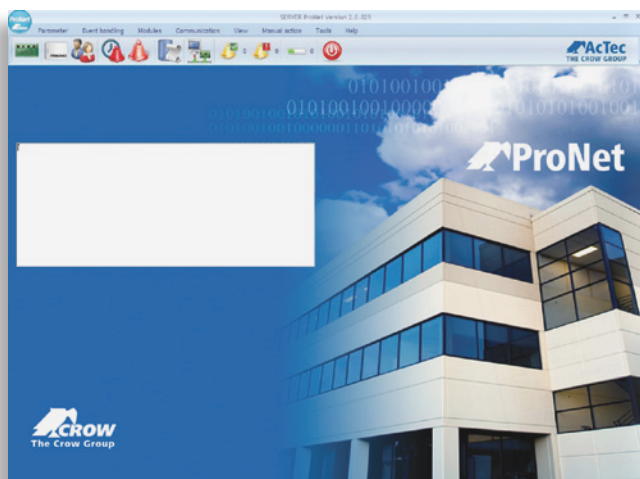
Multi-Tenant

a single access control system installed in a multi-tenanted building can be shared by different companies with each entity having the right to control the information corresponding to their own part of the database. ProNet PLUS may also supervise common resources such as main entrance, car park, restaurant...

Multi-Site Multi-Polling

allows management of several sites in different locations. Each site is independent, communicating with its own controllers, and operating with or without communication from headquarters. The local database is continuously replicated on all other sites.

Users may work from any workstation and manage any site, according to their respective authorization levels. All authorized users may view the Log of any site.

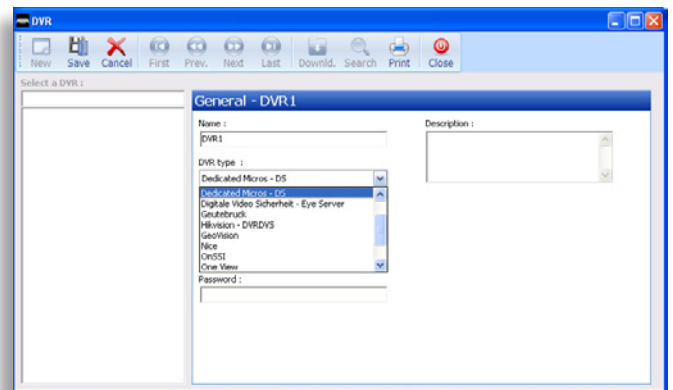


ADDITIONAL MODULES

CCTV Control

ProNet CCTV module works with market leaders, such as Pelco, Geutebruck, Dedicated Micros, HIK Vision, Baxall and DIVI Sys Tech. ProNet PLUS CCTV module has also integrated ONSSI, a powerful surveillance and IP camera management software, in order to control networks of analog and digital surveillance cameras. This software supports more than 150 IP cameras and encoders from leading manufacturers, as well as all popular video formats. Through a gateway with Agent VI software, a door is opened to the world of intelligent video tracking applications, i.e: extracting critical recorded information like detecting the motion of an object, car or person, or signaling the non-motion of a person or object expected to be on the move (i.e. unattended bag in an airport, stopped car on highway, etc.).

Cameras can be associated to a reader or an alarm input. Customers can configure, manage, administer and view live or recorded video from any linked cameras, on any workstation.



System users may view video based on:

- Alarm/event
- Access or intrusion device
- Camera
- Specified start-time/end-time
- Auto-launch cameras based on an alarm

Each transaction on the reader or from the input is automatically associated to the corresponding video recording. On the log, a camera icon is displayed near each transaction. By right clicking, users can display the corresponding video record.

Badge Design & Printing

Personalised access cards with picture can be easily created, designed, modified or printed.



OPC Server & Modbus IP Interface

CROW access control solutions can be integrated into a supervision software (Scada) or building management application (BMS), via OPC or Modbus IP (open industry standard interfaces). The graphical capabilities of the building management software are combined with the power and flexibility of CROW security systems.

Parking

The availability of parking zones is relative to the number of remaining empty places, including those booked by different companies.

Access authorisation can easily be configured according to:

- Badge permission
- Group members
- Counters values
- Time zones
- Etc.

Lift Control

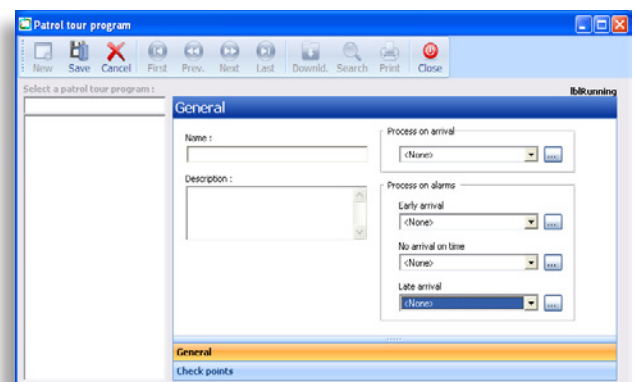
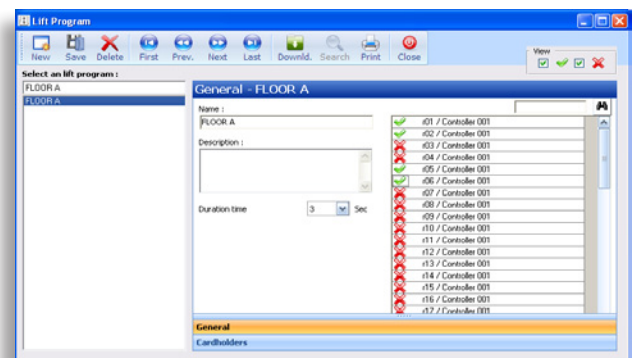
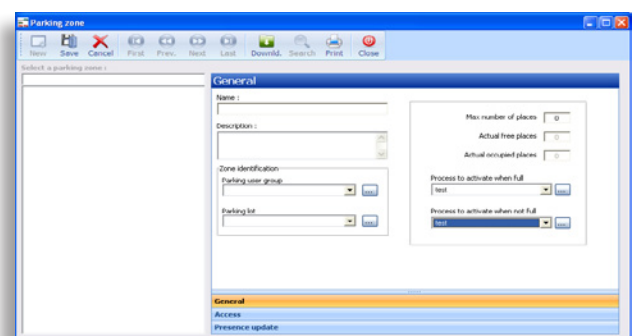
ProNet PLUS allows and restricts the access to specified floors during assigned time periods. The restricted lift buttons for those floors will become inoperative.

Guard Patrol Program

A guard patrol tour checks the appropriate arrival of a guard at specific checkpoints within predefined deadlines. It is signalled via badge reading or input activation. If a guard is not on time or not arrived, an alarm will automatically be generated, informing the security personnel.

Multi-Workstation Support

Allows several operators to use the system at any one time. Users can only perform functions according to their authorisation levels. This module uses software developed by Spread Concepts LLC for use in the Spread toolkit. For more information about Spread see <http://www.spread.org>



HARDWARE: AcNet SERIES

Designed for any installation size, powerful, yet easy to use, Acnet controllers are specially suited for high-security on-line access control and real-time alarm monitoring networks.

The Acnet family consists of three controllers:

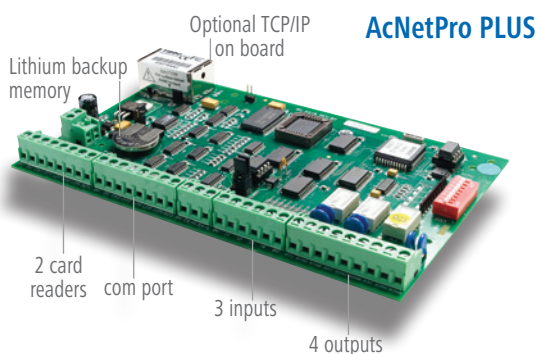
- AcNetPro
- AcNetPro PLUS
- AcNetPro 4x4

The controller manages access to doors, lifts, parking, guard patrol, CCTV and Time & Attendance. Multiple site applications can be configured with thousands of doors spread over remote locations and linked via TCP/IP modem or RS232/485. The 6 layer PCB for improved protection against RFI makes AcNetPro a robust controller able to withstand the most adverse environments. It is capable of autonomous decisions at the local level without degradation, even in the event of communication failure.

AcNetPro

The ideal Access Control controller for small installations. AcNetPro controller has the capacity to manage:

- 2-reader / 2-door
- 5000 users
- 4 outputs
- 11 inputs
- Extension board: EXT-84, RLY 12
- Multi-reader technology
- Flash memory
- Up to 4000 events in memory
- LEDs for communication and relays controls
- Housing: plastic box with or without CROW power supply



AcNetPro PLUS

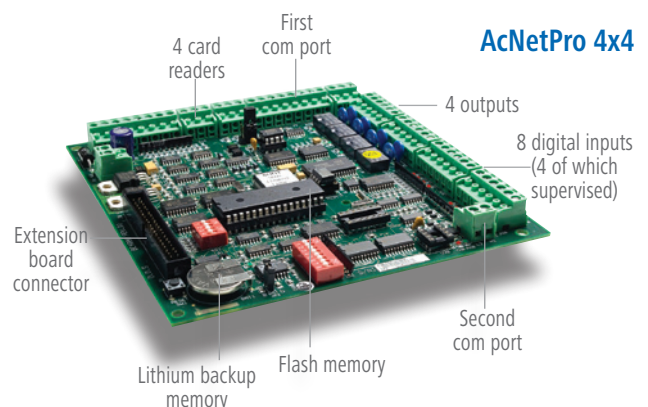
The ideal Access Control controller for small and medium installations. AcNetPro open controller has the capacity to manage:

- 2-reader / 2-door
- 4 inputs
- 3 outputs
- Up to 10.000 users
- 4.000 events in memory
- TCP/IP on-board (optional)
- Flash memory
- Large removable connectors
- LEDs for communication and relays controls
- Housing: plastic box with or without CROW power supply

AcNetPro 4x4

The ideal Access Control controller for medium and big installations. AcnetPro 4x4 controller can manage:

- 4-reader / 4-door
- 8 inputs
- 4 outputs
- Up to 30.000 users
- 4000 or more events in memory (optional)
- TCP/IP with extension board
- Flash memory
- Large removable connectors
- LEDs for communication and relays controls
- Housing: plastic box with or without CROW power supply
- Extension board: EXT-84, RLY 12, EXT-16



EXTENSION BOARDS

Alarm In

Where your installation may include hundreds of digital alarm points to be monitored, the Alarm In is the ideal solution.

- 16/24* digital supervised (4 states) inputs
- 4/64* outputs
- RS485 serial port
- Stand-alone operation
- Flash memory
- On-board lithium battery
- Trouble shooting Leds
- Status Leds for outputs & inputs

*with extension board or EXT-16

Extension Boards

CROW has developed four plug-on extension boards to provide cost effective solutions when additional TCP/IP I/O interface or further relays are needed.

- EXT 84 - 8 supervised inputs / 4 outputs
 - EXT TCP/IP - TCP/IP interface
 - EXT TCP/IP84 - TCP/IP interface with 8 supervised inputs / 4 outputs
 - RLY 12 - additional outputs
- (for use in lift management for instance)

EXT-16

The satellite board EXT-16 has 16 additional outputs. Up to three satellites can be connected to each Acnet Pro 4x4 via a second bus through a single twisted pair cable.

Readers

CROW offers a full range of readers: biometric, proximity, prox + pin code, mifare, touch...



PSQ1



MP1

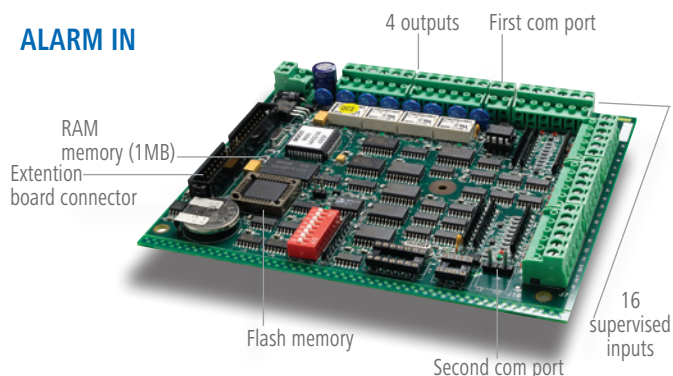


PR-106

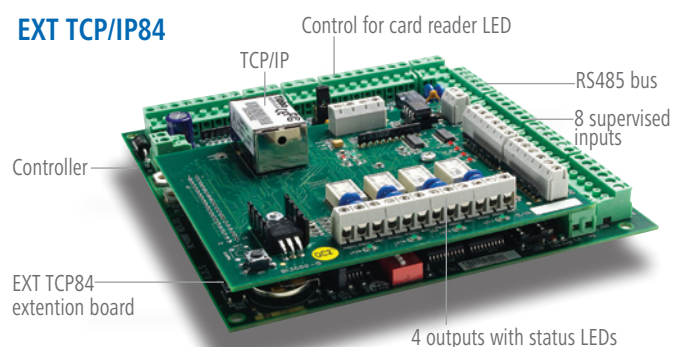


PR-103

ALARM IN



EXT TCP/IP84



EXT RLY12 : Outputs

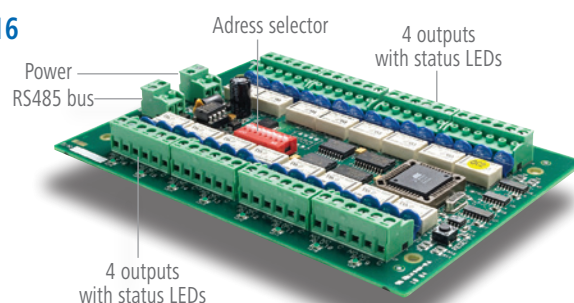


EXT84 : I/O



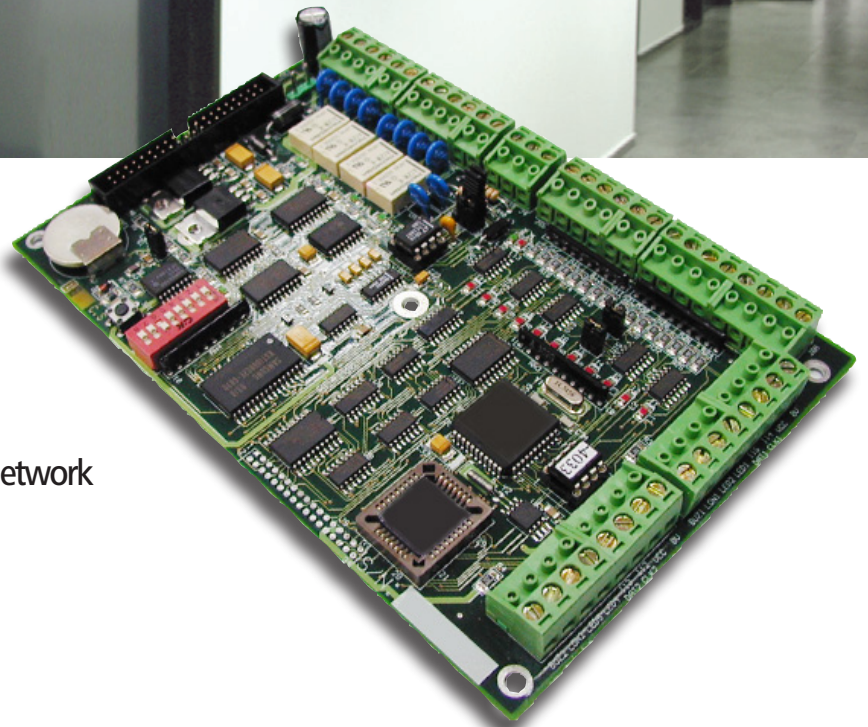
EXT TCP : TCP/IP

EXT 16





AcNetPro on Line Access Control with "ProNet" Software Capabilities



- On line system
- Up to 32 ACNET PRO / 64 doors in one network
- One or Two door support
- 2 card readers of any technology
- Real Time Clock (RTC)
- 4 programmable relays
- 11 Programmable alarm inputs
- Up to 5000 cardholders supported (basic)
- Serial port (RS232 or RS485) for communication with Printer or PC
- Advanced communication VIA Ethernet / TCP-IP, Modem and more...
- Windows 2000 / XP / Vista
- Single or multi-user



PR 103
Prox

PR 106
Prox pincode



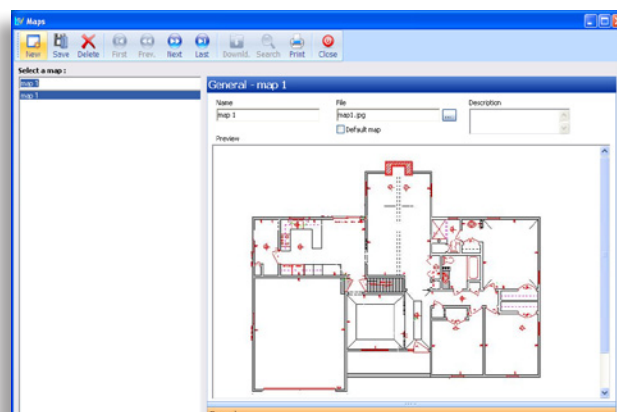
- Windows 2000/XP/Vista, Single or multi-user.
- Connection via RS232/RS485 , Ethernet TCP , modem and more...
- Password protection
- Archiving history reports (transactions, events and alarms)
- Management reports:
 - A broad range of management real-time and historical reports including presence list, report of any user at any door through a report generator, and more...
 - Possible report export to any format.
- True distributed intelligence. Parameters defined at PC level are immediately downloaded to each reader which is therefore fully independent to make a decision at the highest security level if communication is interrupted.
- View of Movements and alarms for real time monitoring
- Cardholders:
 - Portrait on screen
 - Duplicate name
 - Multiple Access Group
 - Personal PIN
 - Real time tracking
- Polling mode
- Separated logs for Alarms and Access.
- Multi Language support
- Predefine Log-off time
- Display photo of cardholders and his personal data.
- Colorful log windows
- Time & Attendance
- Create Group of badges or get information from card ID tools
- Powerful Diagnostic tool
- Biometric integration
- Open all doors in case of fire

ACCESS CONTROL FEATURES:

- Unlimited Access levels
- Time zones: 99 daily, 32 weekly, 40 holidays and 2x 60 Special Days.
- Cardholder full supervision - card may be easily validated, invalidated or automatically expiable.
- Global and Local Anti-Passback- Provides a way of preventing a card from being used for successive entries without a valid exit, or vice-versa.
- System hierarchy - To access a specific point cardholders may be obliged to follow a user-defined path.
- Full door control via PC - Doors or relays may be locked/unlocked via PC.

ALARM MONITORING FEATURES

- Thousands of programmable inputs. Each alarm point may be armed or disarmed on a time basis or through user defined interactive Plans and Maps. Upon alarm:
 - Pre recorded messages may be played or displayed on PC.
 - Pre defined maps or plans may be displayed
- And more ...





STAND ALONE CONTROLLERS

SC-103 CONTROLLER

- 40 users database
- Quick installation
- User friendly operation
- RTE optional input
- Door contact optional input
- IP66



SC-103

SC-106 CONTROLLER WITH KEYPAD

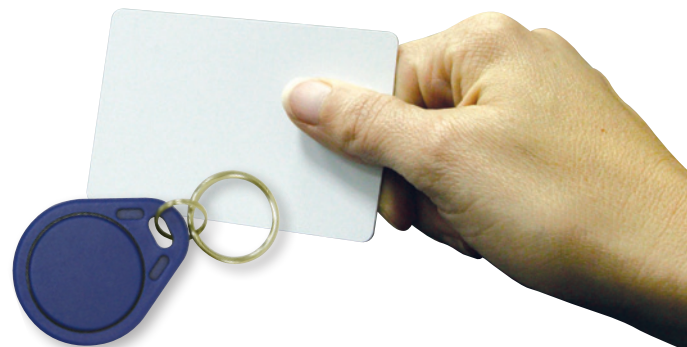
- 128 users database
- PIN code or proximity card entry
- Quick installation
- User friendly operation
- RTE optional input
- Door contact optional input
- IP66



SC-106

PROXIMITY CARDS AND TAGS

The AcTec readers support AcTec keytags, AcTec proximity cards or other compatible cards and ID's.



www.thecrowgroup.com



This product catalog contains bullet formatted information on our product lines.
For further information please contact us at sales@crow.co.il
Information is also available on our website.

Specifications are subject to change without prior notice.



For more information on our products,
please, contact our distributor



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