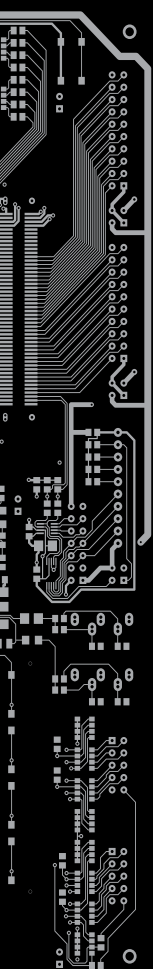# Hardware.
Software.
It's here.

ICT®: Enterprise level access control at your fingertips.

ICTProtegeGX®.

ICT Protege Access Control

The Protege System is an enterprise level integrated access control, intrusion and building automation system. Modular design allows operation at 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.

Protege GX Software

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 Protege GX 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 Protege GX suitable for everyone – from small single door systems right through to large multi-national corporations.

Protege GX Server

The base Protege GX Server (PRT-GX-SVR) application provides the core functionality essential for all installations. This includes 50 doors, unlimited sites, unlimited controllers, unlimited users, 1 concurrent client login, 10 cameras, and unlimited DVR's. Extend the system easily and tailor it to meet your requirements by selecting from the optional features and modules that suit your needs.

> Client server architecture with online, event monitoring and control functions

> Rich report generation with extensive customization and filter design

> Intuitive and user friendly interface with graphical floor plans and highly customizable status pages for controlling and monitoring the system

> Customizable alarm & event filters to sort and categorize the event & alarm data that is displayed

> Integration 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

Code: PRT-GX-SVR

> 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 interface to suit the needs of any installation using status grids with a range of cell configuration options from 1x1 to 4x4.

> Gain a sitewide overview or drill down to show more detail. The customizable interface lets you choose what you see.

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Protege GX Software

Optional GX Features and Modules

Protege GX Client

Protege GX uses a concurrent usage license model enabling you to install the Protege GX Client on any number of workstations, with the restriction being on the number of operators that can connect at any one time.

The base server includes one Protege GX Client. Use additional client licenses to increase the number of concurrent connections that can be made.

Code: PRT-GX-CLNT

Protege GX 10 Camera License

Extends the number of cameras that can be used within the Protege System providing the ability to control cameras directly from Protege GX, including the ability to view live and historical footage.

The base server includes 10 camera licenses. Additional licenses are required to increase this capacity.

Code: PRT-GX-CAM-10

DVR High Level Interface

Enables the use of the PTZ triggers and alarm interfaces back to the DVR, providing full bi directional exchange of information and allowing full control of DVR/NVR platforms from a single interface.

Code: PRT-GX-DVR-HLI

Protege GX Time and Attendance

Provides Time and Attendance reporting capability, making it easy to track and monitor staff movements on site, assisting with payroll and HR management. Report on early or late arrivals, early or late departures, exceeded break times, and total hours worked. View summary pages and/or detailed reports of employee time and attendance with pinpoint accuracy.

Time and Attendance is a site wide feature once licensed.

Code: PRT-GX-TNA

Protege GX Muster Report

Provides Muster Reporting capability, enabling you to generate reports by utilizing the entry and exit readers associated with a door and list the users that are present within specified areas.

Reports can be configured to be automatically emailed to designated operators at a specific time of day, and a live view of the report included in status pages.

Muster Reports are a site wide feature once licensed.

Code: PRT-GX-MUST

Protege GX Photo ID

Provides access to the Card Template Editor enabling you to create and tailor unlimited Photo ID templates, defining the layout and information included on user cards.

Code: PRT-GX-PHOTO

Protege GX Doors

Extends the number of doors that can be used within the Protege System providing access to users.

The Protege GX Server comes with 50 doors as part of the base configuration and extra doors are only required when exceeding this quantity. Available in blocks of 50, 10, or as a single item.

Code: PRT-GX-DOR

Protege GX IP Software Door

Enables the connection of IP Software Doors (such as Salto, Sargent and Kaba) providing a totally wireless networked electronic locking solution. A license is required for each software connected door and integration may require the installation of third party applications or hardware provided by electronic lock vendor.

Code: PRT-GX-DOR-IP

Active Directory User Integration License

Provides the ability to import users from Active Directory, automatically creating a user record for each user found based on the active directory group that has been selected.

Code: PRT-GX-AD-USR

Active Directory Operator Integration License

Enables integration with Active Directory, allowing operators to connect to the Protege GX client using their Windows User credentials. This bypasses the need to enter a user name and password when logging in, making the login process more secure.

Code: PRT-GX-AD-OPR

Other Protege Software

Protege SE System Management Suite

The Protege System Management Suite is a Windows based client/server application that provides a powerful intuitive interface to the Protege System, communicating with the Protege Integrated System Controller over Ethernet, serial and modem connections.

Code: PRT-SMGT

Protege GX Visitor Management System

ICT Protege GX VMS provides simple, effective and efficient visitor registration, reporting, and label printing, whether your company has reception staff processing visitors, or an unmanned front desk where visitors can self-register.

Available as either a standalone or hosted solution, ICT Protege GX VMS is straightforward, affordable, fully-scalable, and capable of processing more than 150 visitors an hour at a single client station.

CODE: PRT-GX-VMS

Protege Keypad for iPhone

Available exclusively from the iTunes App Store, the ICT Protege Keypad provides a user friendly interface to the Protege integrated access control, security and building automation system directly from your iPhone, iPad or iPod Touch. It provides quick and easy access to various system functions from anywhere – either inside or outside the building – using the internet connection of the device.

Code: PRT-IPHONE

Protege Keypad for Android

Available exclusively from the Android Market, the ICT Protege Keypad provides a user friendly interface to the Protege integrated access control, security and building automation system directly from your Android device. It provides quick and easy access to various system functions from anywhere – either inside or outside the building – using the internet connection of the device.

CODE: PRT-ANDROID

ICTeSecurity**.**
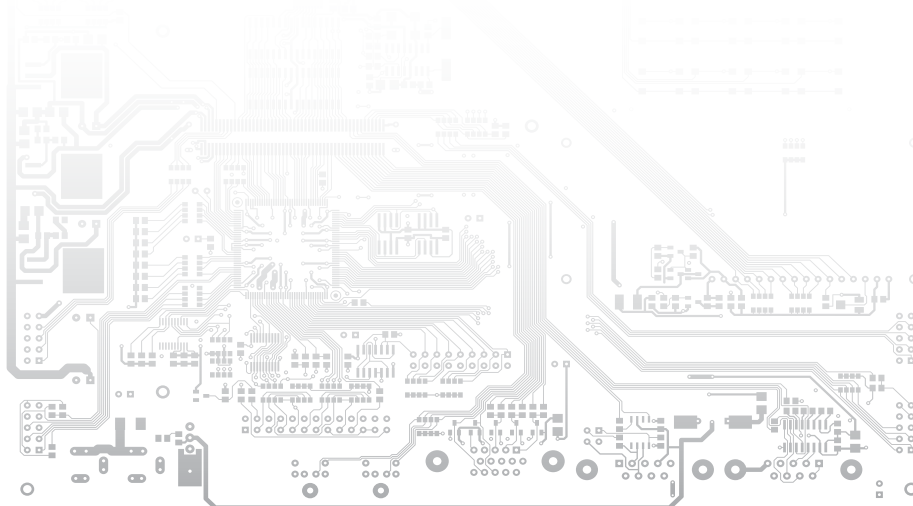
ICT®: Arm your alarm with reliability and flexibility

Protege DIN Rail Range

To give your integrated electronic security systems the competitive edge, you could stick to what you know: fragile circuit componentry that hasn't changed for years. Or you could choose an altogether more powerful solution. The new DIN Rail compatible units from ICT are compact, robust and elegant. In this day and age, why would you work with anything else?

Designed with an industry standard DIN Rail mount enclosure, the DIN Rail range allows for seamless integration into large scale installations alongside high end HVAC and electrical switchboard components.

Protege GX DIN Rail System Controller

Our latest central processing device, built to match the unparalleled scalability of the Protege GX Integrated System Software in a DIN Rail format. Responsible for the control of security, access control and automation in the Protege GX Integrated System.

> 2 doors (4 readers) onboard
> Unlimited records
> 2 Form-C lock outputs
> 6 reader control outputs
> 8 inputs
> Expandable module network

Code: PRT-CTRL-DIN

Protege DIN Rail Mini 2 Reader Expander

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

> 2 doors
> 8 inputs
> 2 Form-C lock outputs
> 6 reader control outputs
> Smart reader missing/ tamper monitoring

Code: PRT-RDM2-DIN

Protege DIN Rail 16 Input Expander

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

> 16 inputs
> Utilizes analog to digital processing with 5x over sampling
> 4 input states to provide short, alarm, closed and tamper conditions

Code: PRT-ZX16-DIN

Protege DIN Rail 8 Output Expander

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

> 8 Form-C relay outputs
> LED indicators to show state of all on board relays

Code: PRT-PX8-DIN

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Protege DIN Rail Range

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.

> 8 independent analog input channels

> 8 independent analog output channels

> Individual channel restore options

> 12VDC and 24VDC supply outputs for sensors

Code: PRT-ANA8-DIN

Protege DIN Rail 4 Channel Analog Input Expander

Extends the Protege System by providing 4 highly configurable industrial sensor analog inputs that allow the interface of any 0-10V sensor devices and self-powered 4-20mA current loop sensors.

> 4 independent analog input channels

> Individual channel restore options

> 12VDC and 24VDC supply outputs for sensors

Code: PRT-ADC4-DIN

Protege DIN Rail 4 Channel Analog Output Expander

Extends the Protege System by providing 4 highly configurable industrial instrumentation compatible analog outputs that allow the interface of any 0-10V actuator or controllable device.

> 4 independent analog output channels

> Individual channel restore options

> 12VDC and 24VDC supply outputs for sensors

Code: PRT-DAC4-DIN

Protege DIN Rail 12V VDC Power Supply

Provides 12VDC power, ideal for running security, access control or automation devices, along with large numbers of Protege network powered modules within 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.

> Mains input ideal for reducing complexity in set up and easy deployment

> 12VDC output voltage and up to 3.3 Amps continuous output current

> Battery backup connection for continued power delivery

> Intelligent charging algorithm monitors battery and AC supply

> Processor controlled battery level testing and indication

> Monitored signals for battery low/disconnect and AC failure

Code: PRT-PSU-DIN

Protege Hardware

Protege GX Integrated System Controller

Built to match the unparalleled scalability of the Protege GX Integrated System Software. Responsible for the control of security, access control and automation in the Protege GX integrated system.

> 2 doors (4 readers) onboard
> 16 inputs
> 2 high current outputs
> 6 open collector outputs
> Expandable module network
> 32 Bit advanced RISC processor with 2MB RAM and 4MB flash
> Local monitored power supply

Code: PRT-CTRL-GX

Protege SE Integrated System Controller

Complete integrated access and alarm management solution. Connects to any Protege module and communicates with the PRT-SMGT Protege System Management Suite.

> 2 doors (4 readers) onboard
> 16 zone inputs
> 2 high current outputs
> 6 open collector outputs
> Expandable module network
> 32 Bit advanced RISC processor with 2MB RAM and 4MB flash
> Local monitored power supply

Code: PRT-CTRL-SE

Protege LE Integrated System Controller

The Protege LE Integrated System Controller is the central processing unit responsible for the control of security, access control and automation in the Protege integrated system.

> 1 door onboard
> 8 zone inputs
> 2 high current /Form-C relay outputs
> 4 open collector outputs
> Expandable module network
> 32 Bit advanced RISC processor with 512K RAM and 4MB flash
> Local monitored power supply

Code: PRT-CTRL-LE

Protege SE Rack Mount System Controller

The Protege Rack Mount System Controller is an ideal solution for any rack mount installation or space constrained location where unified IT, NVR and Access Control solutions are required in a single cabinet.

> 2 doors (4 readers) onboard
> 16 zone inputs
> 2 high current outputs
> Expandable module network
> 32 Bit advanced RISC processor with 2MB RAM and 8MB flash
> Removable hardware connectors for cable management

Code: PRT-SE-RACK

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System Controller Comparison and Compatibility

	PRT-CTRL-DIN	PRT-CTRL-GX	PRT-CTRL-SE	PRT-CTRL-LE	PRT-SE-RACK
Onboard Doors	2	2	2	1	2
Onboard Inputs (Zones)	8	16	16	8	16
Onboard Outputs (PGMs)	8	8	8	6	8
Users	Unlimited	5000	10000	500	10000
Compatible with SE Software	●	●	●	●	●
Compatible with GX Software	●	●*	●*	●	●*
Hardware Compatibility:					
Protege DIN Rail Mini 2 Reader Expander	●	●	●	●	●
Protege DIN Rail 16 Input Expander	●	●	●	●	●
Protege DIN Rail 8 Output Expander	●	●	●	●	●
Protege DIN Rail 8 Channel Analog Input/Output Expander	●	●	●	●	●
Protege DIN Rail 4 Channel Analog Input Expander	●	●	●	●	●
Protege DIN Rail 4 Channel Analog Output Expander	●	●	●	●	●
Protege DIN Rail 12V VDC Power Supply	●	●	●	●	●
Protege Touchscreen Keypad	●	●	●	●	●
Protege Eclipse LED Keypad	●	●	●	●	●
Protege Alphanumeric LCD Keypad	●	●	●	●	●
Protege Temperature and Humidity Sensor	●	●	●	●	●
Protege 16 Zone Input Expander	●	●	●	●	●
Protege Standard 16 Zone Input Expander	●	●	●	●	●
Protege 16 PGM Output Expander	●	●	●	●	●
Protege Standard 16 PGM Output Expander	●	●	●	●	●
Protege Mini 2 Reader Expander	●	●	●	●	●
Protege Standard 2 Reader Expander	●	●	●	●	●
Protege Intelligent 2 Reader Expander	●	●	●	●	●
Protege Ethernet 2 Reader Expander	●	●	●	●	●
Protege Analog Input Expander	●	●	●	●	●
Protege Analog Output Expander	●	●	●	●	●
Protege RS-232 Serial Communication Interface	●	●	●	●	●
Protege 16 Input Destination Reporting Interface	●	●	●	●	●
Protege Intelligent 5 Amp Power Supply	●	●	●	●	●

- ● Compatible
- ● Compatible but with limited capacity
- ● Compatible but with limited capacity and requires a firmware upgrade
- ● Not compatible

*Note: When using a Protege PCB Controller, the capabilities are restricted by the current configuration parameters of the SE software. For example, Protege GX supports an unlimited number of cards per user, whereas Protege SE supports only two. As such, the number of cards supported within the Protege GX software when using a Protege PCB Controller is two. For further details, please refer to the Protege GX Installation Guide or contact support@incontrol.co.nz

Protege Touchscreen Keypad

Complete with a highly customizable user interface for flexible control and monitoring of the Protege System, the high resolution 5.7" Protege Touchscreen Keypad provides effortless and stylish control for all end users.

> 12VDC power supply input with intelligent power saving mode
> Communication with the Protege Integrated System Controller by Ethernet
> 2 monitored zone inputs or 4 with duplex zone input operation
> 1 open collector output, suitable for digital or relay control
> 64MB onboard RAM, 128MB flash storage space

Code: PRT-TLCD

Protege SIP/VoIP Touchscreen Keypad

The Protege SIP/VoIP Touchscreen keypad includes all the functionality of the Protege Touchscreen Keypad (PRT-TLCD) and also adds VoIP and video capability, enabling you to view live video from multiple sources and utilize two-way voice communication to SIP compliant phones and intercoms.

> Make direct or server routed voice calls to any SIP compatible client
> Caller ID display, auto answer capability, and microphone mute function
> Customizable ringtones
> Video streaming of M-JPEG from a web-enabled camera or DVR

Code: PRT-TLCD-SIP

Protege Eclipse LED Keypad

A sleek, stylish alternative, this keypad fits in with modern decor while still providing a user friendly interface to Protege's alarm and access control functions.

> 4 zone inputs
> 1 open collector output
> Capacitive touch keypad
> Fire, panic and medical alarm options
> Door unlock operation
> Integrated tamper switch

Code: PRT-KLES

Protege Alphanumeric LCD Keypad

The Protege Alphanumeric LCD Keypad provides an ergonomic and friendly display that can be connected anywhere on the Protege System Module Network.

> Secure login with support for card reader and PIN code operation
> Intuitive menu function and quick access short cut keys
> Dual and master code functions for secure area access
> Individual reportable duress code for each keypad
> 3 reportable panic events (Panic, Medical and Fire)

Code: PRT-KLCD

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Protege 16 Zone Input Expander

The Protege 16 Zone Input Expander extends the number of zone inputs on the system by 16 and the number of PGM outputs by 4.

> 16 zone inputs
> 2 monitored bell control outputs (high current)
> 2 open collector PGM outputs (50mA)
> Intelligent battery charge and monitoring

Code: PRT-ZX16-PCB

Protege Standard 16 Zone Input Expander

The Protege Standard 16 Zone Input Expander extends the number of zone inputs on the system by 16 and the number of PGM outputs by 1.

> 16 zone inputs
> 1 open collector output (50mA)

Code: PRT-ZXS16-PCB

Protege 16 PGM Output Expander

The Protege 16 PGM Output Expander provides the control of 16 high current Form-C relay outputs or 16 elevator floors (when connected with the Protege Intelligent 2 Reader Expander).

> 16 multi-function Form-C relay outputs
> Optically isolated fire control input for elevator systems
> High performance 32 Bit ARM processor
> Intelligent battery charge and monitoring

Code: PRT-PX16-PCB
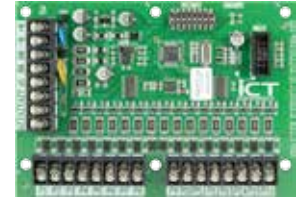
Protege Standard 16 PGM Output Expander

The Protege Standard 16 PGM Output Expander provides the control of 16 low current open collector outputs providing seamless and powerful integration.

> 16 multi-function open collector outputs
> High performance 16 Bit processor

Code: PRT-PXS16-PCB

Zone Input Expander Comparison

	PRT-ZXS16	PRT-ZX16
Onboard PSU	No	Yes
Zone Inputs	16	16
PGM Outputs (Total)	1	4
High Current Bell PGM Outputs	None	2
Low Current Open Collector	1	2
Isolated Module Network	No	Yes
Module Powered Device	Yes	No
Multiple AUX Supply Points	No	Yes

PGM Output Expander Comparison

	PRT-PXS16	PRT-PX16
Onboard PSU	-	•
PGM Outputs (Total)	16	16
Form-C Relay	None	16
Low Current Open Collector	16	None
Isolated Module Network	No	Yes
Module Powered Device	Yes	No
Elevator Floor Controller	No	Yes
Fire Control Input	No	Yes

Protege Mini 2 Reader Expander

The Protege Mini 2 Reader Expander provides the interface of up to 4 reader inputs and 2 locking device outputs.

> 2 doors
> 6 zone inputs
> 2 Form-C lock outputs
> 6 reader control outputs
> Smart reader missing/ tamper monitoring

Code: PRT-RDM2-PCB

Protege Standard 2 Reader Expander

The Protege Standard 2 Reader Expander provides the interface of up to 4 reader inputs and 2 locking device outputs.

> 2 doors
> 8 zone inputs
> 2 Form-C lock outputs
> 6 reader control outputs
> Smart reader missing/ tamper monitoring

Code: PRT-RDS2-PCB

Protege Intelligent 2 Reader Expander

The Protege Intelligent 2 Reader Expander provides the interface of up to 4 reader inputs and 2 locking device outputs.

> 2 doors
> 8 zone inputs
> 2 Form-C lock outputs
> 6 reader control outputs
> Smart reader missing/ tamper monitoring

Code: PRT-RDI2-PCB

Protege Ethernet 2 Reader Expander

The Protege Ethernet 2 Reader Expander provides an Ethernet based interface of up to 4 reader inputs and 2 locking device outputs.

> 2 doors
> 8 zone inputs
> 2 Form-C lock outputs
> 6 reader control outputs
> Smart reader missing/ tamper monitoring
> Advanced communication over Ethernet

Code: PRT-RDE2-PCB

Reader Expander Comparison

	PRT-RDM2	PRT-RDS2	PRT-RDI2	PRT-RDE2
Power Supply	12VDC (Network)	16VAC	16VAC	16VAC
Battery Backup	-	•	•	•
AUX PSU	-	1A	1A	1A
Lock Outputs	2 Relay	2 Electronic	2 Electronic	2 Electronic
Lock Monitoring	-	•	•	•
Offline Users	10	10	2000	2000
Reader Ports	2	2	2	2
Multiplexed (4) Readers	•	•	•	•
Isolated RS485 Ports	-	1	2	2
Non-Isolated RS485 Ports	1	-	-	-
Ethernet	-	-	-	•

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Protege RS-232 Serial Communication Interface

Provides the connection of two fully compliant DTE EIA-232 serial ports to the Protege system and used primarily to control external devices that connect using an RS-232 or similar connection. The Protege RS-232 Serial Communication Interface is used to interface with ModBUS, DVACS and other popular serial communication protocols.

> RX and TX LED indication
> Terminal connections for RX TX and GROUND
> DB9 connection (DTE same as PC based DB9 connector)

Code: PRT-COMM

Protege 16 Input Destination Reporting Interface

Extends the Protege PGM Output Expander when used for elevator control with the addition of 16 optically isolated floor button inputs for use in destination reporting. The Protege 16 Input Destination Reporting Interface allows the Protege system to track the exact floor selected by the user and prevent the selection of multiple floors being selected or tailgating user access.

> Galvanic (optical isolation) on all Inputs with wide voltage range
> LED indication for each input channel showing activation or button press status
> Interconnects to the Protege 16 PGM Output Expander and can be used in fail safe and fail secure configurations

Code: PRT-PX16-PCB

Protege Intelligent 5 Amp Power Supply

The Protege Intelligent 5 Amp Power Supply provides 12VDC power suited to powering security, access control or automation devices along with large numbers of Protege Network powered modules. The Intelligent 5 Amp Power Supply uses the Protege flexible module network architecture allowing large numbers of modules to be connected to the Protege system over the RS-485 Based Network.

> 16VAC input ideal for our range of low cost AC transformers
> 12VDC output voltage and up to 5 Amps continuous output current
> Battery backup connection for continued power delivery
> Intelligent charging algorithm monitors battery and AC supply
> Processor controlled battery level testing and indication
> Monitored signals for battery low/disconnect and AC failure

Code: PRT-PSU-5I
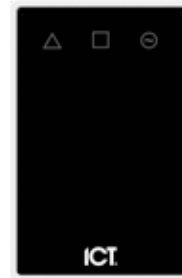
Protege Temperature and Humidity Sensor

Extends the Protege System by providing temperature, humidity and dew point readings that can be used for building automation and control or environmental alarms. The Protege Temperature and Humidity Sensor can monitor the environmental conditions of highly critical areas, and the data used to control the air conditioning and maintain regulated conditions. The Protege system can also use this data to trigger reportable alarms when normal operating conditions are exceeded to enable a prompt response to any problems.
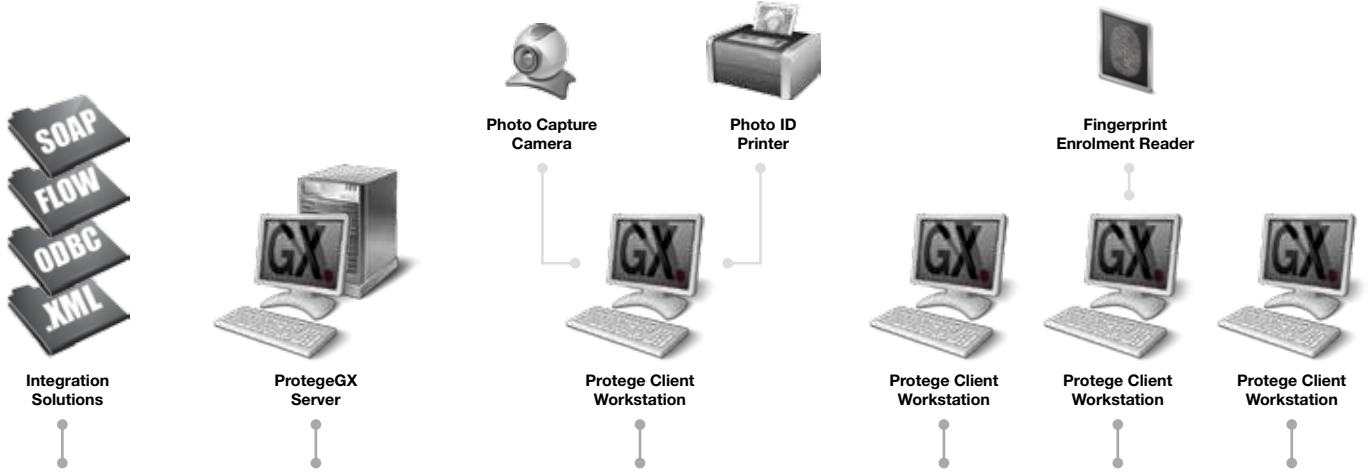
The Protege Temperature and Humidity Sensor can also be used in a standalone mode providing all capabilities with the exception of reporting and data logging.

> Temperature sensor -40℃ to 60℃ (±1℃) -40℉ to 140.0℉ (±2℉)
> Humidity sensor 0% to 100% (±3%)
> 2 low current outputs
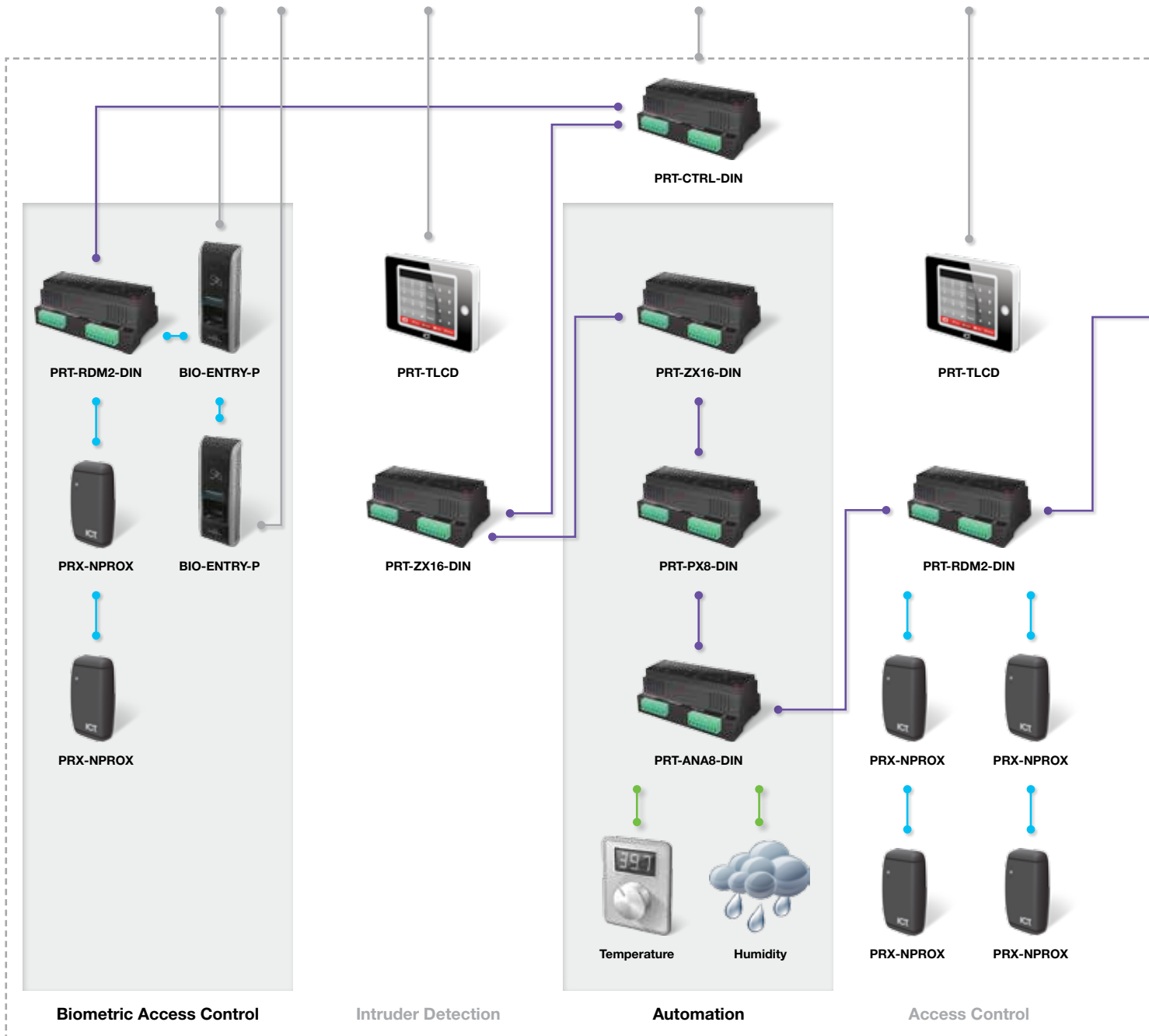> 2 display LED outputs
> 8 to 30VDC input power supply
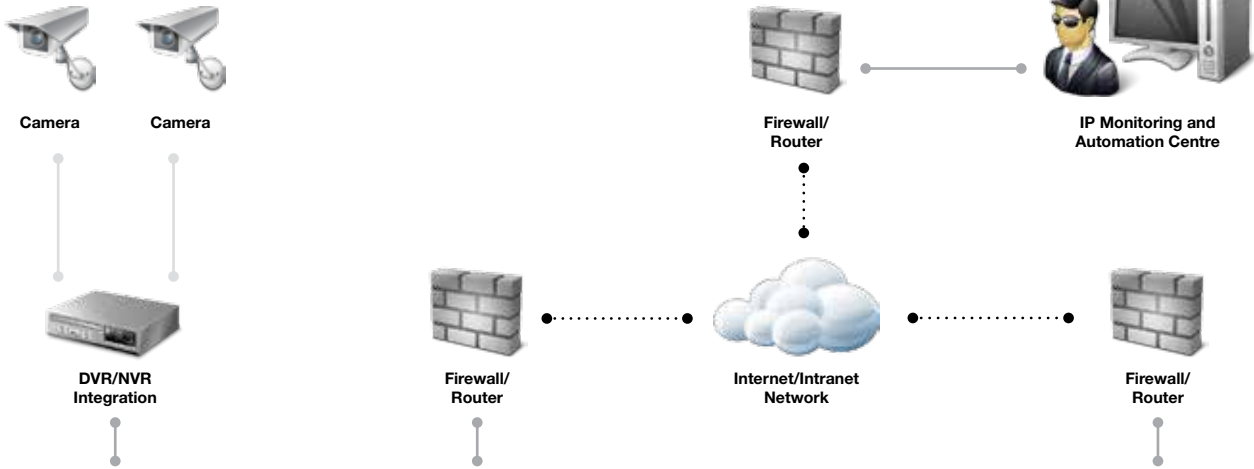
Code: PRT-ATH1

Ready to take the next step?

Contact us today to discuss how you can have Enterprise level access control at your fingertips tomorrow. **Visit our website at** **www.incontrol.co.nz** for more details.
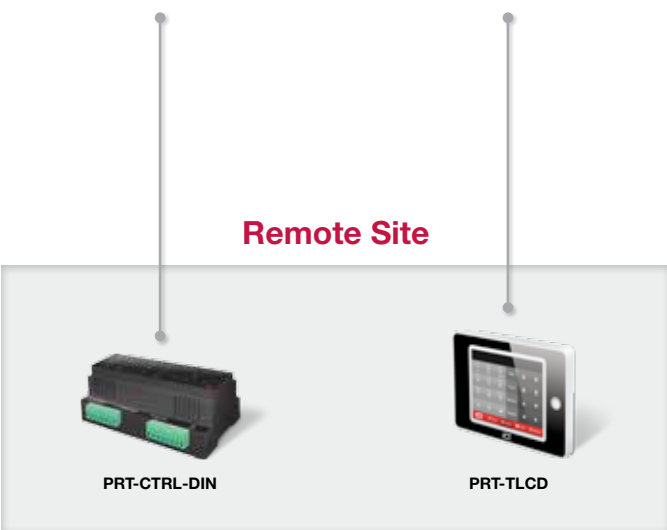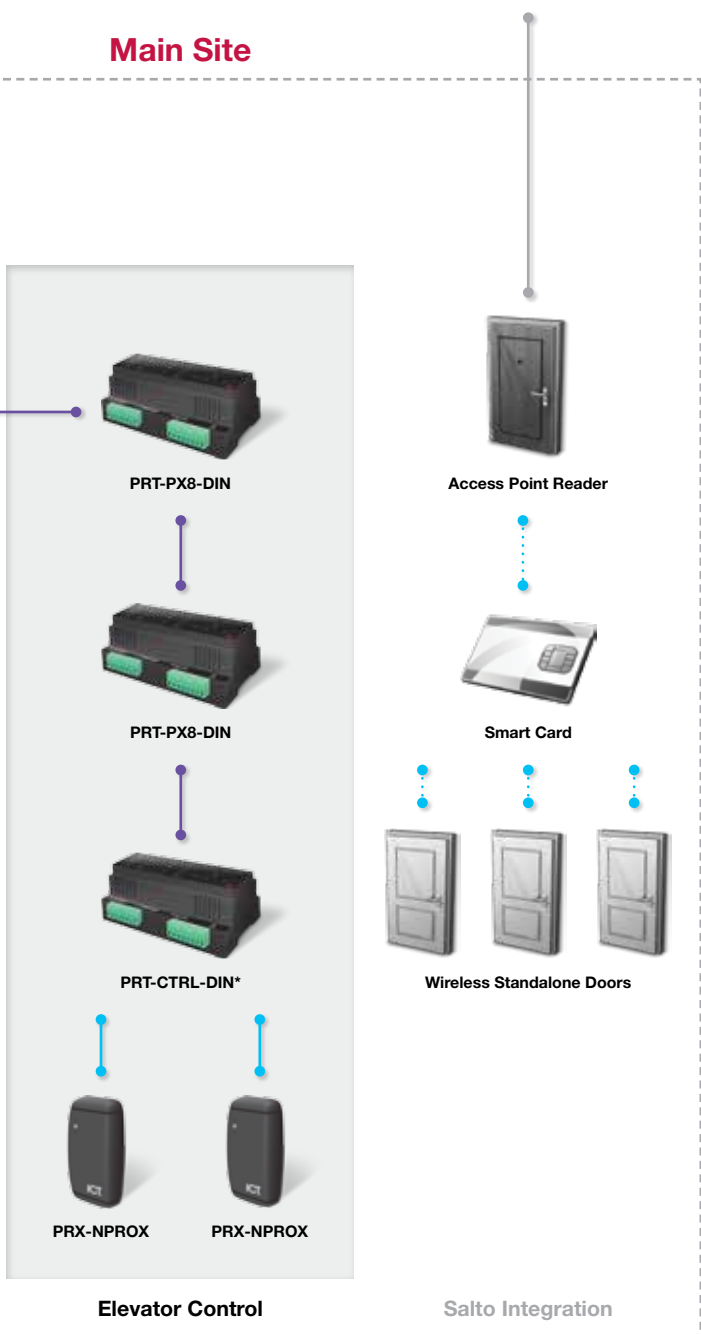
SOAP
FLOW
ODBC
XML

Photo Capture
Camera

Photo ID
Printer

Fingerprint
Enrolment Reader

GX
GX
GX
GX
GX

Integration
Solutions

ProtegeGX
Server

Protege Client
Workstation

Protege Client
Workstation

Protege Client
Workstation

Protege Client
Workstation

WAN/LAN Ethernet Network

PRT-CTRL-DIN

PRT-RDM2-DIN

BIO-ENTRY-P

PRT-TLCD

PRT-ZX16-DIN

PRT-TLCD

PRX-NPROX

BIO-ENTRY-P

PRT-ZX16-DIN

PRT-PX8-DIN

PRT-RDM2-DIN

PRX-NPROX

PRT-ANA8-DIN

PRX-NPROX

PRX-NPROX

Temperature

Humidity

PRX-NPROX

PRX-NPROX

Biometric Access Control

Intruder Detection

Automation

Access Control

Camera   Camera

Firewall/
Router

IP Monitoring and
Automation Centre

DVR/NVR
Integration

Firewall/
Router

Internet/Intranet
Network

Firewall/
Router

Remote Site LAN/WAN

Main Site

Remote Site

PRT-PX8-DIN

Access Point Reader

PRT-CTRL-DIN

PRT-TLCD

PRT-PX8-DIN

Smart Card

PRT-CTRL-DIN*

Wireless Standalone Doors

PRX-NPROX   PRX-NPROX

Elevator Control   Salto Integration

TCP/IP Ethernet Collection

Encrypted RS485 Module Network

Multiplex Wiegand Data Communication

ADSL/Fibre/Cable Internet Connection

0-10v/4-20mA Industrial Sensor Input

Contactless Radio-wave Key Operation

*PRT-CTRL-DIN set to intelligent reader mode

ICT®: Complex management made accommodatingly simple
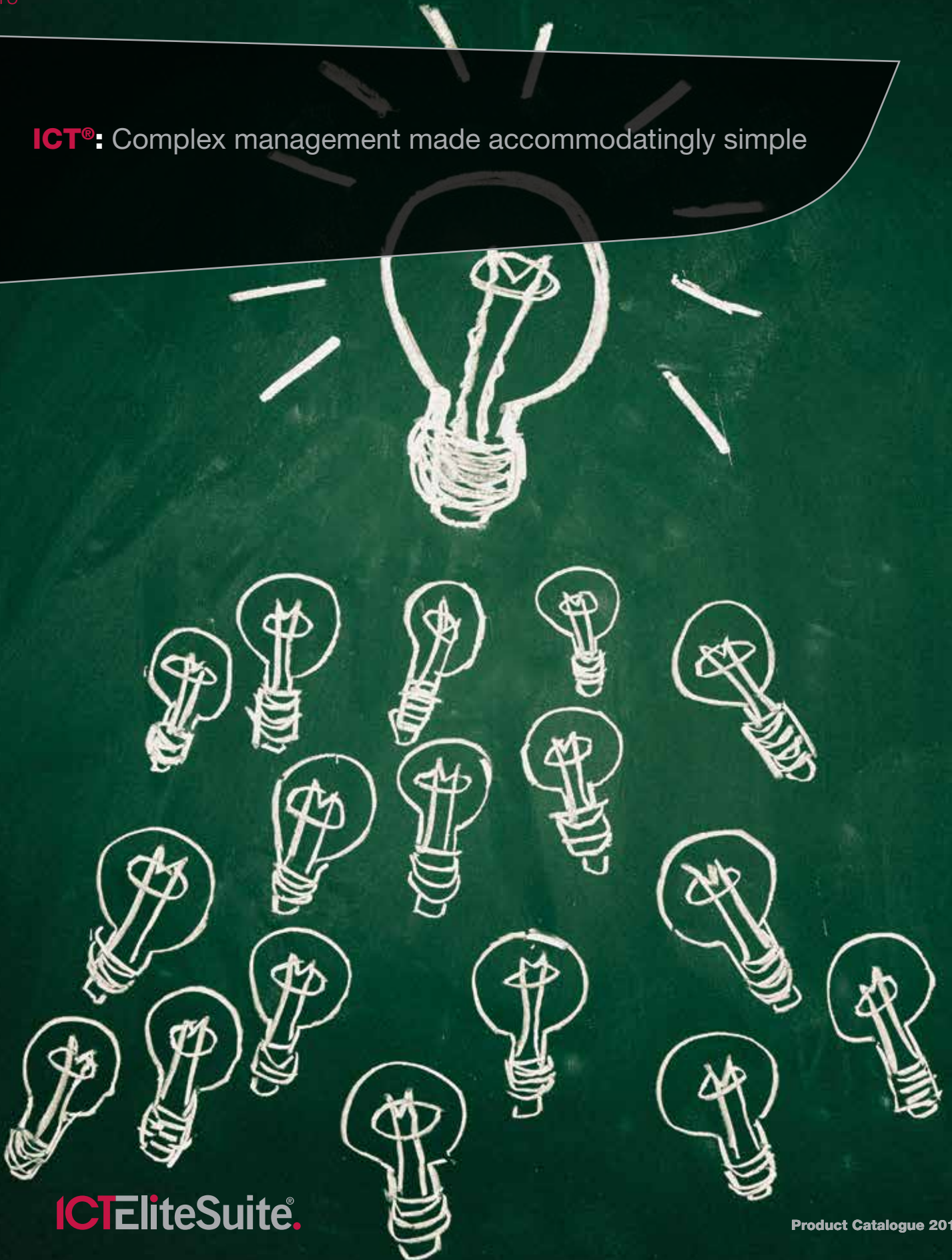
ICTEliteSuite®.

Elite Suite

The Protege Elite Suite™ range is designed for multi-dwelling apartment complex management. Using the trusted and proven Protege backend hardware and software platform cutting edge multi dwelling facilities are automated with ease. A variety of end user keypad options provide centralized management of base building and high rise.

Protege EliteSuite Touchscreen Keypad

Ergonomic design with local energy saving technology. Connects with the Elite Suite enabled Protege Integrated System Controller. Connect up to 248 keypads for independent self-contained apartment control.

VGA resolution (640x480). Ethernet connectivity to LAN/Internet and Protege Integrated System Controller. 2 monitored zone inputs, 1 programmable open collector output.

Code: ELT-TLCD

Protege EliteSuite Eclipse LED Keypad

4 zone inputs using doubling (2 zone inputs standard, expandable using OPTIONAL slave keypad interface to 16 zone inputs). 1 multi-function output. 8 local user codes. Stay, force and instant arming. Fire zone input functions.

Ergonomic design with local energy saving technology. Connects with the Elite Suite enabled Protege Integrated System Controller. Connect up to 248 keypads for independent self-contained apartment control.

Code: ELT-KLES

Protege EliteSuite Alphanumeric LCD Keypad

4 zone inputs using doubling (2 zone inputs standard, expandable using slave keypads to 16 zone inputs). 1 multi-function output. 8 local user codes. Stay, force and instant arming. Fire zone input functions.

Ergonomic design with local energy saving technology. Connects with the Elite Suite enabled Protege Integrated System Controller. Connect up to 248 keypads for independent self-contained apartment control.

Multilink panels for Integrated Access Control, Security and Apartment Management.

Code: ELT-KLCD

Protege EliteSuite Icon LED Keypad

4 zone inputs using doubling (2 zone inputs standard, expandable using OPTIONAL slave keypad interface to 16 zone inputs). 1 multi-function output. 8 local user codes. Stay, force and instant arming. Fire zone input functions.

Ergonomic design with local energy saving technology. Connects with the Elite Suite enabled Protege Integrated System Controller. Connect up to 248 keypads for independent self-contained apartment control.

Code: ELT-KLED

ICT®eSecurity.

ICT®: For scalable proximity control, nothing comes close

Proximity Products

A complement to any security solution, ICT produces a range of proximity and smart card reader technology that provides long term benefits to its clients. All of ICT's standard card reader range features multiple card technology capable of reading various types of card formats.

A large range of transponders are also available in many formats from proximity key tags, discs and printable cards to dual technology Mifare® DESFire® and low frequency solutions allowing a client migration options from legacy equipment. ICT also works with many vendors in providing cost recovery solutions for vending, printing and photocopying applications.

DESfire Series

The ICT DESfire Series is compatible with the MIFARE DESFire EV1 protocol, providing fast and highly secure data transmission, flexible memory organization and interoperability with existing infrastructure. DESFire provides mutual authentication, 3DES (Triple DES) data encryption, and can read up to 28 applications per card. Ideal for organizations wanting to combine and support multiple applications on one contactless smart card.

DESfire® Nano Prox Card Reader

The DESfire Nano Proximity Card Reader provides a complete open standard DESfire smart card RFID solution compatible with DESfire EV1 Cards, Mifare Classic MAD (Mifare Application Directory), and ESN/CSN decoding.

Compatible with ALL Wiegand data capable control systems and allows rapid deployment of secure DESfire RFID technology in any environment

> Bi color LED (blue and green) with independent or single LED control

> Programmable Wiegand data formats from 26 or 36 Bit with card configured Output

> Fully encapsulated design for outdoor and indoor operation

> Read range up to 100mm (3.93") with DESfire Proximity ISO Cards

Code: PRX-NPROX-DF

DESfire® Multi Prox and PIN Reader

The DESfire Multi Prox and PIN Reader provides a complete open standard DESfire smart card RFID solution compatible with DESfire EV1 Cards, Mifare Classic MAD (Mifare Application Directory), Mifare S and X, specific managed sector and ESN/CSN decoding.

Compatible with ALL Wiegand data capable control systems and incorporating RS-485 communication the PRX-MULTI-DF allows rapid deployment of secure DESfire RFID technology in any environment.

> Bi color LED (blue and green) with independent or single LED control.

> Programmable Wiegand data formats from 26 to 128 Bit with card configured output

> Keypad output on Wiegand data using 4 Bit buffered, 26 Bit, 34 Bit and ARK formats

> Keep alive transmission every 30 seconds for intelligent tamper management

> Fully encapsulated design for outdoor and indoor operation

> Read range up to 100mm (3.93") with Mifare Proximity ISO cards

> Optional EIA485 communication interface for factory automation, cost recovery integration and third party applications

Code: PRX-MULTI-DF

ICTeSecurity.

DESfire® Vario Prox Card Reader

The DESfire Vario Proximity Card Reader provides a complete open standard DESfire smart card RFID solution compatible with DESfire EV1 Cards, Mifare Classic MAD (Mifare Application Directory), and ESN/CSN decoding.

Compatible with ALL Wiegand data capable control systems and allows rapid deployment of secure DESfire RFID technology in any environment.

> Bi color LED (blue and green) with independent or single LED control
> Programmable Wiegand data formats from 26 or 36 Bit with card configured output
> Fully encapsulated design for outdoor and indoor operation
> Read range up to 100mm (3.93") with DESfire Proximity ISO cards

Code: PRX-VARIO-DF
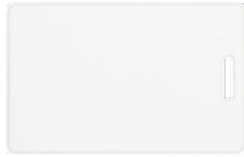
DESfire Clamshell Card (EV1/2K)

The standard card technology commonly used for access control solutions. The DESfire 1K (S50) Proximity Clamshell style card is made from a PVC shell and Mylar layer ideal for ruggedized use and general card applications.

Code: PRX-CLAM-DF
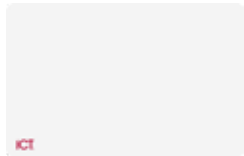
DESfire ISO Graphic Printable Card (EV1/2K)

Printable DESfire Proximity ISO Graphic Cards are primarily used where a slim-line card is required for photo identification of people. PVC based with double sided printable surfaces. Conforms to the ISO specification for card printing.

Code: PRX-ISO-DF

DESfire ISO Graphic Printable Card with Mag Stripe (EV1/2K)

Printable Proximity ISO Magnetic Graphic Cards are primarily used where a slim-line card is required for photo identification of people. PVC based with double sided printable surfaces.

Code: PRX-ISO-DF-MAG

DESfire Standard Key Tag (EV1/2K)

The DESfire Proximity Standard Key tag is a water-drop shape gray proximity key tag. The high impact resistant poly carbonate casing with an epoxy encapsulated internal layer is the ultimate in reliability and convenience.

Code: PRX-TAG-DF

DESfire Blue Key Tag (EV1/2K)

The DESfire Proximity Blue Key Tag is an attractive designer transparent blue casing and modern ergonomic styled proximity key tag. The high impact resistant poly carbonate casing with an epoxy encapsulated internal layer is the ultimate in reliability and convenience.

Code: PRX-TAG-DF-BLU

Mifare Series

The most widely deployed RFID technology in the world and used in thousands of diverse applications, Mifare has established an excellent reputation as a technology that delivers convenience and flexibility for contactless RFID. ICT provides a number of reader and tag/card options in the Mifare range. You can take advantage of the ICT Mifare product range while transitioning from legacy equipment using our dual technology cards which feature both low security formats and Mifare.

Mifare® Multi Prox and PIN Reader

The Mifare Multi Prox and PIN Reader provides a complete open standard Mifare smart card RFID solution compatible with MAD (Mifare Application Directory), specific managed sector and ESN/CSN decoding.

Compatible with ALL Wiegand data capable control systems and incorporating RS-485 communication the PRX-MULTI-MF allows rapid deployment of secure Mifare RFID technology in any environment.

> Bi color LED (blue and green) with independent or single LED control

> Programmable Wiegand data formats from 26 to 128 Bit with card configured output

> Keypad Output on Wiegand data using 4 Bit buffered, 26 Bit, 34 Bit and ARK formats

> Keep alive transmission every 30 seconds for intelligent tamper management.

> Fully encapsulated design for outdoor and indoor operation

> Beeper activation does not prevent card read operation

> Read range up to 100mm (3.93") with Mifare Proximity ISO cards

> Optional EIA485 communication interface for factory automation, cost recovery integration and third party applications

Code: PRX-MULTI-MF

Mifare® Vario Proximity Card Reader

The Mifare Vario Proximity Card Reader provides a complete open standard Mifare smart card RFID solution compatible with MAD (Mifare Application Directory), specific managed sector and ESN/CSN decoding.

Compatible with ALL Wiegand data capable control systems and incorporating RS-485 communication the PRX-VARIO-MF allows rapid deployment of secure Mifare RFID technology in any environment.

> Bi color LED (blue and green) with independent or single LED control

> Programmable Wiegand data formats from 26 to 128 Bit with card configured output

> Keep alive transmission every 30 seconds for intelligent tamper management

> Fully encapsulated design for outdoor and indoor operation

> Beeper activation does not prevent card read operation

> Read range up to 100mm (3.93") with Mifare Proximity ISO cards

> Optional EIA485 communication interface for factory automation, cost recovery integration and third party applications

Code: PRX-VARIO-MF
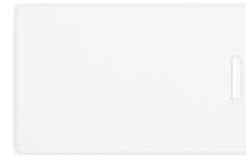
Mifare Clamshell Card (S50/1K)

The standard card technology commonly used for access control solutions. The Proximity Clamshell Card is made from a PVC shell and mylar layer ideal for ruggedized use and general card applications. Can be screen printed. Slot punched on vertical (narrow) edge for attachment to card holding devices.

> Price competitive with all other card technologies

> Thin enough to carry in wallet or purse

Code: PRX-CLAM-MF

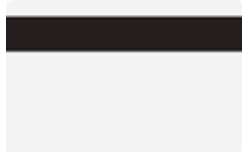**ICT**®**eSecurity.**

Mifare Series
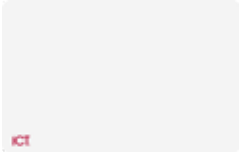
Mifare ISO Graphic Printable Card (S50/1K)

Printable Proximity ISO Graphic Cards are primarily used where a slim-line card is required for photo identification of people. PVC based with double sided printable surfaces. Conforms to the ISO specification for card ID printing.

> Combines proximity technology and offers photo identification capability
> Graphics quality surface for use with direct image printers
> Same size and thickness as a standard credit card

Code: PRX-ISO-MF

Mifare ISO Graphic Printable Card with Mag Stripe (S50/1K)

Printable Proximity ISO Magnetic Graphic Cards are primarily used where a slim-line card is required for photo identification of people. PVC based with double sided printable surfaces. Conforms to the ISO specification for card ID printing. Integrated HICO Magnetic Strip and ISO certified Chip Insertion location.

> Combines proximity technology and offers photo identification capability
> Graphics quality surface for use with direct image printers
> Same size and thickness as a standard credit card
> Magnetic stripe technology

Code: PRX-ISO-MAG-MF

Mifare Standard Key Tag (S50/1K)

The Proximity Standard Key tag is a water-drop shape gray Proximity Key Tag. The high impact resistant poly carbonate casing with an epoxy encapsulated internal layer is the ultimate in reliability and convenience. Highly durable design. Standard formats.

> Small enough to fit on a key ring
> Universal compatibility with ICT proximity readers

Code: PRX-TAG-MF

Mifare Blue Key Tag (S50/1K)

The Proximity Blue Key Tag is an attractive designer transparent blue casing and modern ergonomic styled Proximity Key Tag. The high impact resistant poly carbonate casing with an epoxy encapsulated internal layer is the ultimate in reliability and convenience.

> Small enough to fit on a key ring
> Universal compatibility with ICT proximity readers

Code: PRX-TAG-MF-BLU

125kHz Series

The 125kHz Series utilizes the widely available 125kHz technology, providing a high read range at an affordable price. Designed to operate as a standard Wiegand proximity reader or as a complete standalone single door controller with 100 users and 3 access level configurations, the 125kHz Series of proximity readers can be programmed to perform and operate using different card and data output formats.

Nano Prox Card Reader

Providing style with functionality, the Nano Prox Card Reader is an advanced RFID Proximity Reader capable of reading and decoding multiple 125KHz FSK encoded card formats simultaneously. The small footprint, modern design, and advanced programmable features make the Nano Prox Card Reader ideal for any location. Dual LED outputs and independently operated beeper connections allow the Nano Prox Card Reader to easily integrate with both existing and new installations.

> Bi color LED (red and green) with independent or single LED control
> Programmable Wiegand data formats from 26 to 128 Bit with card configured output
> Keep alive transmission every 30 seconds for intelligent tamper management
> Fully encapsulated design for outdoor and indoor operation
> Extensive programmable features using programming card

Code: PRX-NPROX

Vario Prox Card Reader

The Vario Prox Card Reader is a flush box mounting advanced technology radio frequency identification device (RFID) specifically designed to enhance the functionality of security, building automation and access control by providing multiple format compatibility, high speed data transmission and sabotage protection. Integrated multiple reading technology reduces replacement costs and allows easy migration.

> Bi color LED (blue and green) with independent or single LED control
> Programmable Wiegand data formats from 26 to 128 Bit with card configured output
> Keep alive transmission every 30 seconds for intelligent tamper management
> Fully encapsulated design for outdoor and indoor operation

Code: PRX-VARIO

Multi Prox and PIN Reader

The Multi Prox combines the creative design elements of the Vario with a 12 key numerical keypad encompassing the advanced technology RFID proximity reader technology. Designed for external high security areas where dual authentication is required the Multi Prox supports all Wiegand keypad formats. The wall plate mounting and modern design features make the Multi Prox ideal for any location. Fully encapsulated design allows all weather operation down to -30 Celsius.

> Bi color LED (blue and green) with independent or single LED control
> Programmable Wiegand data formats from 26 to 128 Bit with card configured output
> Keypad output on Wiegand data using 4 Bit buffered, 26 Bit, 34 Bit and ARK formats
> Extended read range up to 150mm (6") with clamshell type cards

Code: PRX-MULTI
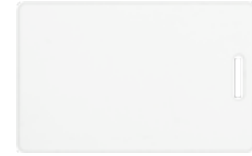
Proximity Clamshell Card

The standard card technology commonly used for access control solutions. The Proximity Clamshell Card is made from a PVC shell and mylar layer ideal for ruggedized use and general card applications. Can be screen printed. Slot punched on vertical (narrow) edge for attachment to card holding devices.

> Price competitive with all other card technologies
> Thin enough to carry in wallet or purse
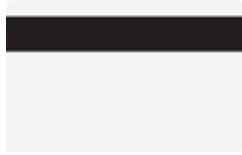
Code: PRX-CLAM

ICT®eSecurity.
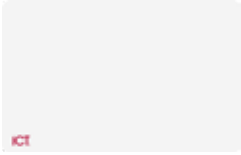
Proximity ISO Graphic Printable Card

Printable Proximity ISO Graphic Cards are primarily used where a slim-line card is required for photo identification of people. PVC based with double sided printable surfaces. Conforms to the ISO specification for card ID printing.

> Combines proximity technology and offers photo identification capability

> Graphics quality surface for use with direct image printers

> Same size and thickness as a standard credit card

Code: PRX-ISO

Proximity ISO Graphic Printable Card with Mag Stripe

Printable Proximity ISO Magnetic Graphic Cards are primarily used where a slim-line card is required for photo identification of people. PVC based with double sided printable surfaces. Conforms to the ISO specification for card ID printing. Integrated HICO magnetic strip and ISO certified chip insertion location.

> Combines proximity technology and offers photo identification capability

> Graphics quality surface for use with direct image printers

> Same size and thickness as a standard credit card

> Magnetic stripe technology

Code: PRX-ISO-MAG

Proximity Standard Key Tag

The Proximity Standard Key tag is a water-drop shape gray Proximity Key Tag. The high impact resistant poly carbonate casing with an epoxy encapsulated internal layer is the ultimate in reliability and convenience. Highly durable design. Standard formats.

> Small enough to fit on a key ring

> Universal compatibility with ICT proximity readers

Code: PRX-TAG

Proximity Blue Key Tag

The Proximity Blue Key Tag is an attractive designer transparent blue casing and modern ergonomic styled Proximity Key Tag. The high impact resistant poly carbonate casing with an epoxy encapsulated internal layer is the ultimate in reliability and convenience.

> Small enough to fit on a key ring

> Universal compatibility with ICT proximity readers

Code: PRX-TAG-BLU

Proximity Adhesive Disc

The Proximity Adhesive Disc is an ideal for attachment to existing identification technology or PDA/Cell phone. Programmable with any supported format.

> The size of a coin, the disc easily attaches to all nonmetallic materials

> Can be programmed in any ICT proximity format, and compatible with all ICT proximity readers

> Same size and thickness as a standard credit card

> Vertical or horizontal slot punch capability

Code: PRX-DISC-20

Proximity Products

Card Reader Comparison

	PRX-VARIO-DF	PRX-MULTI-DF	PRX-NPROX-DF	PRX-VARIO-MF	PRX-MULTI-MF	PRX-NPROX	PRX-VARIO	PRX-MULTI
Operating Voltage	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC
Operating Current	130mA	130mA	130mA	130mA	130mA	130mA	130mA	130mA
Card Read Range	150mm (5.9")	100mm (3.93")	Mifare: 65mm (2.55") Desfire: 20mm (0.78")	100mm (3.93")	100mm (3.93")	120mm (4")	150mm (5.9")	100mm (3.93")
Tag Read Range	80mm (3.15")	50mm (1.96")	Mifare: 50mm (1.96") Desfire: 20mm (0.78")	50mm (1.96")	50mm (1.96")	80mm (3.15")	80mm (3.15")	50mm (1.96")
Standalone Operation	-	-	-	-	-	100 users 3 access levels	100 users 3 access levels	100 users 3 access levels
Wiegand Interface	26 to 128 Bit with card configured output	26 to 128 Bit with card configured output	26 or 34 Bit with card configured output	26 to 128 Bit with card configured output	26 to 128 Bit with card configured output	26 to 128 Bit with card configured output	26 to 128 Bit with card configured output	26 to 128 Bit with card configured output
Max Cable Distance	150m (492')	150m (492')	150m (492')	150m (492')	150m (492')	150m (492')	150m (492')	150m (492')
Frequency	13.56MHz	13.56MHz	13.56MHz	13.56MHz	13.56MHz	125kHz	125kHz	125kHz
Operating Temperature	-35° to 65°C (-31° to 149°F)	-35° to 65°C (-31° to 149°F)	-35° to 65°C (-31° to 149°F)	-35° to 65°C (-31° to 149°F)	-35° to 65°C (-31° to 149°F)	-35° to 65°C (-31° to 149°F)	-35° to 65°C (-31° to 149°F)	-35° to 65°C (-31° to 149°F)
Environment IP Rating	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55

Card Technology Security Comparison

Security Level

Magnetic Stripe — Mifare CSN — 125kHz — Mifare — DESFire

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ICT®: The ins and outs of access made more accessible

IP Alarm & Communication Products

With open architecture IP reporting solutions that provide internet based alarm communication between an alarm panel and a central monitoring station, and a flexible GSM cellular module that provides an SMS interface to your access control system, ICT has a range of options for those situations were a unique solution is required.

ArmorIP Internet Monitoring Application

The ArmorIP Internet Monitoring Application converts the ArmorIP reporting protocols used by the Protege System, PostX, and other third party products to the Ademco 685 format.

The integration process for a monitoring station is seamless and can be done in a matter of minutes allowing an immediate transition to IP reporting without the normal time consuming custom solutions.

> Converts the ICT ArmorIP reporting protocol for use in any Ademco 685 compliant monitoring station application
> 'Live View' shows the current accounts that are online with next poll options
> Supports AES encryption in 128, 192 and 256 Bit keys
> Automatic HTML export of account status for live presentation to remote web location with FTP upload support
> Free edition for use on up to 20 accounts. Flexible licensing in 250 account blocks

Code: CRX-ARMORIP

Fox GSM Cellular Module

Offers a flexible GSM interface to your access control system through its configurable Wiegand Output ports or can operate in a complete standalone mode allowing with 4 programmable outputs and 4 zone inputs that can trigger SMS alarm messages.

Ring a cell phone number and open a gate, the Fox GSM Cellular Module converts a users cell phone number to a Wiegand message and Outputs this to any access control system, SMS alerts and RS-232 pass though are some of the options on this ground breaking product.

> GSM cellular interface
> Free voice call door entry
> SMS door entry & PGM output control
> SMS zone input reporting
> 2 configurable Wiegand outputs
> 4 zone inputs
> 2 configurable lock Form-C relay outputs
> 4 open collector outputs
> Online upgradable firmware
> PC based configuration
> Remote configuration

Code: CRF-FOX-GSM

ICT DIN Rail PostX IP Reporting Module

Designed to allow the open establishment of TCP/IP internet based alarm communication and converts any standard ContactID alarm panel to an IP reporting device with full polling and PSTN backup options.

> Ultra low power design
> Supports any ContactID compatible alarm panel or device
> 10/100MB Ethernet interface
> Fully upgradable firmware
> LED front panel displays network status and diagnostics at a glance
> PSTN failover
> Compatible with a wide range of central station software including ArmorIP®, CSV, AlarmNZ, Patriot, and more

Code: CRX-POSTX-DIN

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Additional Products

Accessory Products

Nano-Prox Stand Alone Module

The standalone interface allows management of the Nano Prox Series of Proximity readers using the Nano Prox software or programming cards and has capacity for 128 users. Connection is made with RS-232 and RS-485 interfaces selectable using the on board 8 way dip switch.

The standalone functionality allows for easy, secure operation of gates or other access areas where convenience is required.

> 3 operation modes: RS232, RS485 and Input mode
> 100 user capacity
> 3 inputs for Nano Prox Beeper control, Door Contact and REX switch
> Form-C Relay output for lock control
> Open collector output for left open/ forced alarm

Code: PRX-SAM

Standard 5 Amp Power Supply

The Standard 5 Amp Power Supply provides 12VDC power and is capable of supplying power to a large number of smaller devices or multiple high current devices up to a maximum of 5 Amps. Ideal for powering door locks, automation control devices, non-powered Protege modules or any devices requiring 12VDC power.

> 16VAC input ideal for our range of low cost AC transformers
> 12VDC Output voltage and up to 5 Amps continuous output current
> Battery backup connection for continued power delivery
> Intelligent charging monitors battery and AC supply
> Monitored signals for battery low/disconnect and AC failure

Code: ACC-PSU-5A

RS-485 USB Converter

The RS-485 USB Converter allows the interface of a PC with a USB interface to communicate with RS-485 networks. High voltage galvanic isolation helps to protect any personal computer that is attached to an RS-485 network from spurious voltage transients, lightning and other forms of electrical disturbance. Direct control of the transmit enable functions provides seamless integration with industrial process control applications. Flexibility is provided to meet the demands of any application with configuration jumpers for Bias, EOL termination and transmit control.

> High voltage galvanic isolation
> Direct control of the transmit enable functions

Code: ACC-485-USB

Relay Board Single Pole

Single Pole Relay 7A Form-C Output +12V coil with low current transistor trigger inputs both positive and negative switching. Relay activated LED indication.

Ideal for use on alarm system PGM outputs. High current 7A contacts are well suited for switching electronic mag locks and electrical circuits. Mounting holes in each corner using standard nylon mounting hardware.

Code: RLY-SP

Relay Board Double Pole

Double Pole Relay 2A Form-C Output +12V coil with transistor triggered input both positive and negative. Relay activated LED Indication.

Ideal for use on alarm system PGM outputs. Mounting holes in each corner using standard nylon mounting hardware.

Code: RLY-DP

Wireless Products

Wireless 433MHz 2 Button Transmitter

The Wireless 433MHz 2 Button Transmitter is designed for long range wireless access control of garage doors or sliding gates. Each transmitter is encoded with a Wiegand compatible ID number so that usage can be controlled and recorded by most electronic access control systems on the market.

> Long range, up to 200m (656ft)
> 2 buttons, access control and personal alarm
> Hermetically sealed to protect against water and other substances
> Rolling code prevents duplication
> Optional HID proximity device for short range use

Code: RF-REM2-433

Wireless 433MHz 4 Button Transmitter

The Wireless 433MHz 4 Button Transmitter is designed for long range wireless access control of garage doors or sliding gates. Each transmitter is encoded with a Wiegand compatible ID number so that usage can be controlled and recorded by most electronic access control systems on the market.

> Long range, up to 200m (656ft)
> 4x buttons, access control and personal alarm
> Hermetically sealed to protect against water and other substances
> Rolling code prevents duplication
> Optional HID proximity device for short range use

Code: RF-REM4-433

Wireless 433MHz Receiver

The Wireless 433MHz Receiver provides a fast and simple integration of ICT 4 or 2 button remote transmitters into any alarm or access control system. The standalone functionality allows for easy, secure operation of gates or other access areas where convenience is required.

> 4 operation modes: RS-232, Wiegand, standalone, PGM output control
> Per channel digital reception sensitivity using RSSI configuration
> 100 user capacity in standalone mode. Unlimited users in Wiegand pass through mode
> 4 open collector programmable outputs
> 1 Form-C relay output

Code: RF-RCVR-433

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EDGE PIR Standard Motion Detector

The cutting-edge motion detector uses a reliable electronic detection circuit, adjustable parameters, automatic temperature compensation and a wide angle lens to provide effective and reliable detection.

> Passive infrared, dual element
> Wide angle Fresnel® Technologies lens
> Adjustable reaction time
> Flat wall or corner mounting options
> LED indicator
> Shrouded tamper protection
> Detection speed of up to 2.5m/s (8.2ft/s)
> Coverage of 11m x 11m (40ft x 40ft) 88.2˚ wide
> 12VDC power supply input

Code: PIR-EAS

EDGE PIR Pet Immune Motion Detector

Specifically designed to provide optimal performance while preventing false alarms in environments containing pets. The cutting-edge motion detector uses a reliable electronic detection circuit, adjustable parameters, automatic temperature compensation and a unique pet rejection lens to provide effective and reliable detection of human motion and good protection against nuisance alarm associated with pets weighing up to 18kg (40lbs).

> Pet immunity up to 18kg (40lbs)
> Passive infrared, dual element
> Wide angle Fresnel Technologies lens
> Adjustable reaction time
> Flat wall or corner mounting options
> LED indicator
> Shrouded tamper protection
> Detection speed of up to 2.5m/s (8.2ft/s)
> Coverage of 11m x 11m (40ft x 40ft) 88.2˚ wide
> 12VDC power supply input

Code: PIR-EAS-PET

PIR Swivel Bracket

Mounting bracket for the motion detector range, enabling detectors to be easily mounted on ceiling tiles, walls, and corners.

Code: PIR-B1

With a significant demand on installed real estate for telecommunications rooms and the need to have scalability you need look no further than the quality enclosure range produced by ICT. Choose from the Medium, Large, Fatboy or Jumbo Cabinet Enclosures.

DIN Rail Enclosure 1x2

The 1 x 2 DIN Rail Enclosure has 2 full size product bays, and is ideal for mounting a power supply and battery, or two expander modules in remote locations.

Code: EN-DIN-12

DIN Rail Enclosure 2x4

The 2 x 4 DIN Rail Enclosure has 8 full size product bays, and is ideal for mounting complete DIN module systems. Fits up to 8 DIN Rail modules (without batteries) or 6 modules if using single / dual batteries.

Code: EN-DIN-24

Jumbo Cabinet Enclosure

The Jumbo Cabinet Enclosure is the ideal enclosure solution for any project, a lockable multi-tier enclosure that features space saving gear plate management and cable ducting allowing up to 4 half size products or 8 quarter size products to be mounted internally.

> 4 gear plate options, quarter, half and top mounting variations

> Double depth fits up to 4 7AH batteries in the base

> Position for 4 220V 16VAC 40 VA transformers

> Electrical safety certification

Code: CAB-JUMBO-NOT

Fatboy Cabinet Enclosure

The Fatboy Cabinet Enclosure is a half size version of the Jumbo Cabinet Enclosure, a lockable multi-tier enclosure that features space saving gear plate management and cable ducting allowing up to 2 half size products or 4 quarter size products to be mounted internally.

> 4 gear plate options, quarter, half and top mounting variations

> Fits 2 half size plates or 4 quarter plates and any combination of these

> Double depth fits up to 2 7AH batteries in the base

> Position for 2 220V 16VAC 40 VA transformers

> Electrical safety certification

Code: CAB-FBY-NOT

Large Cabinet Enclosure

Lockable Large Cabinet Enclosure with removable door for fast simple mounting and maintenance. Large Cabinet Enclosures do not require gear plates.

> Multiple modules can be fitted

> Cabinet accessory pack supplied including Cam lock, 2 security keys, cabinet tamper switch and bracket

> Position for a transformer. Transformer sold separately

Code: CAB-LARGE-NOT

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Medium Cabinet Enclosure

Lockable Medium Cabinet Enclosure with removable door for fast simple mounting and maintenance. Medium Cabinet Enclosures do not require gearplates.

> Cabinet accessory pack supplied including Cam lock, 2 security keys, cabinet tamper switch and bracket

> Position for a transformer. Transformer sold separately

Code: CAB-MED-NOT
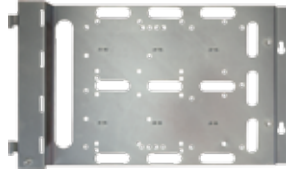
Half Size Bottom Gear Plate

> Mounting positions for multiple products including but not limited to PRT-CTRL-PCB, PRT-ZX16-PCB, PRT-PX16-PCB, PRT-RDS2-PCB, PRT-RDI2-PCB, PRT-RDE2-PCB.

> Keyhole hook for secure fastening

> Stackable design allowing 50% space saving

> Electrical safety certification

Code: CAB-JMB-HB

Quarter Size Bottom Gear Plate

> Mounting positions for multiple products including but not limited to PRT-ZXS16-PCB, PRT-PXS16-PCB, PRT-RDM2-PCB, PRT-COMM, PRT-MNR4-PCB

> Keyhole hook for secure fastening

> Stackable design allowing 50% space saving

> Electrical safety certification

Code: CAB-JMB-QB
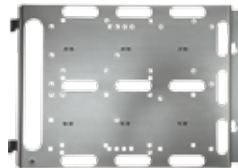
Half Size Top Gear Plate

> Mounting positions for multiple products including but not limited to PRT-CTRL-PCB, PRT-ZX16-PCB, PRT-PX16-PCB, PRT-RDS2-PCB, PRT-RDI2-PCB, PRT-RDE2-PCB.

> Keyhole hook for secure fastening

> Stackable design allowing 50% space saving

> Electrical safety certification

Code: CAB-JMB-HT

Quarter Size Top Gear Plate

> Mounting positions for multiple products including but not limited to PRT-ZXS16-PCB, PRT-PXS16-PCB, PRT-RDM2-PCB, PRT-COMM, PRT-MNR4-PCB.

> Keyhole hook for secure fastening

> Stackable design allowing 50% space saving

> Electrical safety certification

Code: CAB-JMB-QT

Enclosure Comparison

	CAB-MED-NOT Medium Cabinet Enclosure	CAB-LARGE-NOT Large Cabinet Enclosure	CAB-FBY-NOT Fatboy Cabinet Enclosure*	CAB-JUMBO-NOT Jumbo Cabinet Enclosure*
Height	280mm (11in)	410mm (16.1in)	388mm (15.2in)	610mm (24in)
Width	280mm (11in)	335mm (13.2in)	508mm (20in)	508mm (20in)
Depth	85mm (3.2in)	95mm (3.8in)	170mm (6.7in)	170mm (6.7in)
1/4 Modules	1	1	4	8
or				
1/2 Modules	N/A	1	2	4
Transformers	1	1	2	4
Batteries**	1	2	2	4

* Jumbo and Fatboy Cabinet Enclosures require gear plates

** Batteries not supplied by ICT

DIN Rail Enclosure Comparison

	EN-DIN-12 DIN Rail Enclosure 1x2	EN-DIN-24 DIN Rail Enclosure 2x4
Product bays	2	8
Cabinet accessory pack and rails included	Y	Y
Removable door for fast simple mounting and maintenance	Y	Y
Removable lower rail allowing installation of 7Ah lead acid batteries*	Y	Y
Internal cover panel protects wiring while still allowing easy access to the front panel LED indicators	Y	Y
Space for finger trunking or cable tie points for secure, clean wiring	Y	Y
Wide range of cable knockouts	Y	Y
Optional wiring accessories for plug and play module installation, high voltage wiring	Y	Y

* Batteries not supplied by ICT

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