COMELIT PAC

WITH • YOU • ALWAYS

PAC ACCESS CONTROL

Keeping you secure.

www.comelitgroup.com

Comelit. SINCE EVER.

Comelit has, **since 1956**, grown from a base of **intercom and video intercom** solutions into **being a world leader in integrated security solutions** including anti-intrusion, video surveillance, home automation, fire detection and access control systems alongside video door entry systems.

With **values of constant evolution**, user friendliness, reliability, and multi-functionality, Comelit is **your trusted security partner** for securing residential, educational, public sector and commercial customers.

OUR PROMISE, OUR COMMITMENT.

WITH YOU ALWAYS

Comelit has a **global presence and support capability** with 10 branch offices, 6 R&D centres, more than 900 employees and a commercial presence in over 90 countries. We are **With You. Always,** where your success is our success.

Comelit-PAC, is the **specialised Access Control division** within Comelit, with over 60 years' experience in **designing and manufacturing** secure access control products. Working **closely in partnership** with consultant engineers, architect partners, distributors, and installers, **enables** the PAC products to be **continually developed** and meet the requirements of the **access control market** and its associated legislation.

PAC Access Control.

KEEPING YOU SECURE.

Our market leading **PAC access control** is built on a foundation of **continuous innovation** in security systems that are **scalable, easy to install and maintainable.**

Our offering includes **readers, controllers, ID devices and management solutions**, which can be **seamlessly integrated** with door entry, video surveillance, time and attendance, intruder and fire safety systems.

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What We Do

READERS

Truly versatile, scalable and backward compatible for ease of upgrading, the PAC readers provide an unparalleled standard of security and robustness in a variety of applications.

CONTROLLERS

With unbeatable reliability and flexibility, our extensive range provides a multitude of solutions to suit a variety of applications and environments.

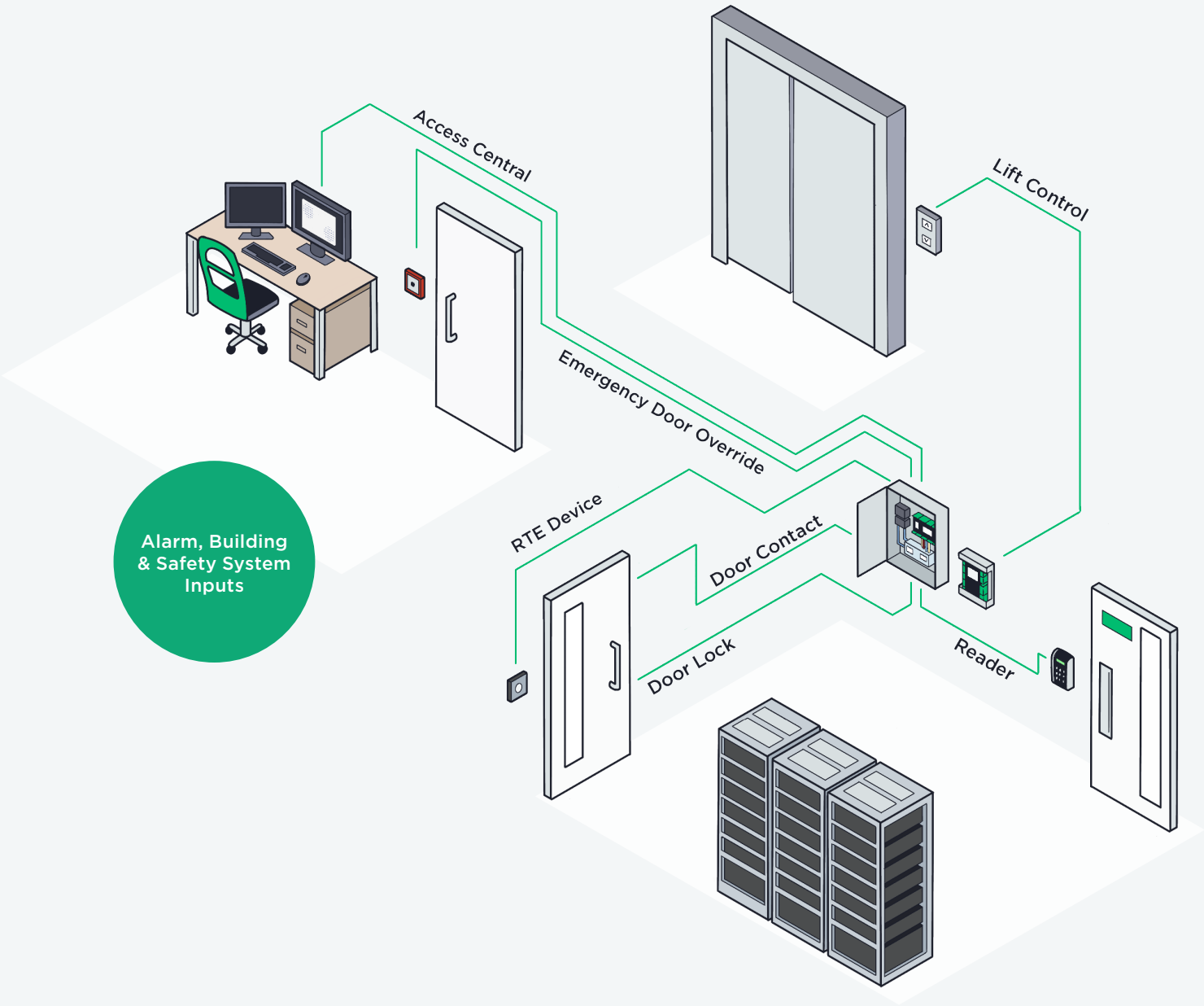
CREDENTIALS

PAC credentials come in a range of forms (fob, card or mobile) and technology types that enable a variety of user options.

MANAGEMENT SOFTWARE

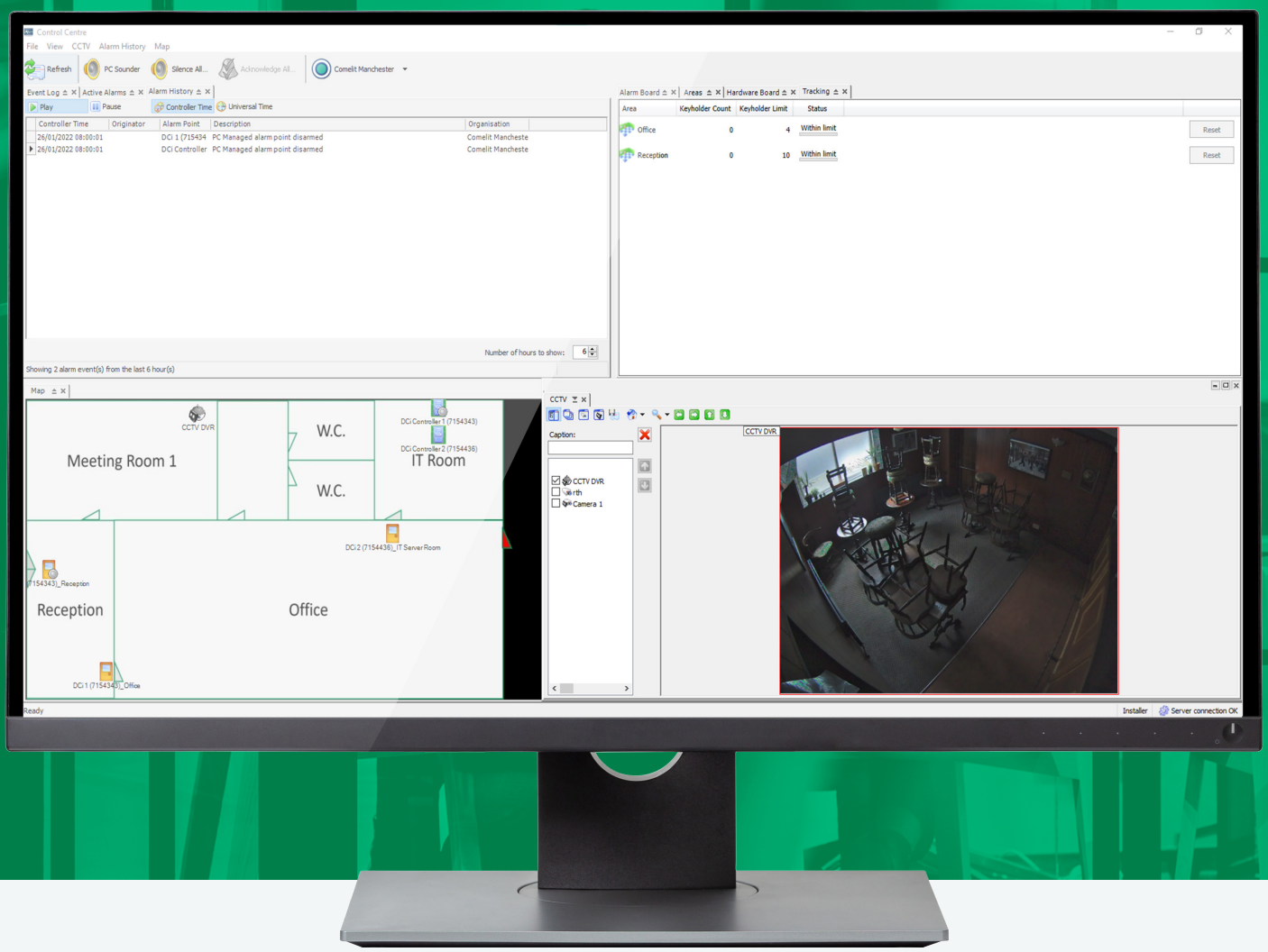
Our software integrates seamlessly with the PAC controllers to provide a powerful configuration and in-life proactive management platform.

Adding PAC Value



Designed to provide unbeatable reliability and functionality

With over 60 years' experience in designing and manufacturing secure access control products and integrated security solutions, PAC provides a well-established range that delivers flexible integrated security solutions for the commercial and residential market sectors.



Management Software

Our management solutions take PAC access control away from a valid key opening a door to a proactive management and monitoring solution.

Designed on the principles of ease of use, flexibility and value, PAC software supports the scaling of a PAC system from small to large installations as well as simple to complex feature capability. PAC software also delivers integrated security solutions through programmable Event to Action rules that interact with other building/safety system hardware as well as a powerful API for software integration.

PAC Access Central™ and easinet™ residential software platforms protect people, property and assets.

Our management software is committed to support people safety and building security policies being automatically enforced, monitored and reported within the PAC system.

Designed with the user in mind.

PAC management software is built around a User Interface that supports the different roles within an organisation through a focus on logically providing configuration, alarm & event monitoring and reporting screens for reliable management of a PAC system.

Value can be added through integration through a standard SDK API that supports a large range of integrations into Visitor Management, Time & Attendance, Fire, Building and Payment systems to name but a few.

PAC Access Central™

Designed for commercial applications.

A management platform dedicated to commercial/educational environments.

Access Central™ is a powerful software management platform designed to support commercial and educational sectors with access control and building management features. These capabilities are dedicated to supporting a wide range of security applications from a single premises to a large multi-site commercial or educational environment.

SOFTWARE LICENCE

Management: Access Central™ SE licence

13490/1.00

For systems up to 250 doors and 20,000 keyholder records.

Management: Access Central™ Pro licence

13491/1.00

For systems up to 2,000 doors and 75,000 keyholder records

Download software from the pacgdx.com website.

FEATURE PACKS

Management: Option - Access Central™ Active Directory

13494/1.00

Management: Option - Access Central™ Token format

13495/1.00

Management: Option - Access Central™ Browser interface

13493/1.00

Management: Option - Access Central™ 212 Controller support

13492/1.00

PAC Access Central™ • Software Features

Features	SE Edition	Professional Edition
FEATURE LICENCE LIMITS		
No. of Doors	250	2000
Areas	✓	✓
No. of Time Profiles	20	2000
No. of Holiday Profiles	5	200
No. of Access Groups	1000	5000
Event To Action Manager	✓	✓
Area Management	×	✓
Lift Call	✓	✓
Lift Control	✓	✓
Lift Management	×	✓
No. of Lifts	20	100
CCTV	✓	✓
Occupancy Tracking	×	✓
Managed Entrance	×	✓
Global Anti-Passback	×	✓
Guard Tour	×	✓
Time Zones	✓	✓
Card Designer	✓	✓
Access Options	✓	×
Alarm Management	✓	✓
Alarm Point Time Profiles	✓	✓
Alarm Configurable Arm/Disarm	✓	✓
Event Archiving	✓	✓
PC Pop-up Alerts	✓	✓
Personal Access	✓	✓
Area Mode Profiles	×	✓
Door Mode Profiles	✓	✓
Reader Mode Profiles	✓	✓
No. of Muster Points	10	100
Audit Trail	✓	✓
Map Designer	✓	✓
Token Formats	Feature Pack	✓
Visual Verification	✓	✓
Local Anti-Passback	✓	✓
Event Relay	✓	✓

PAC Access Central™ • Software Features

Features	SE Edition	Professional Edition
HARDWARE LICENCE LIMITS		
IP channels supported	✓	✓
No. of Direct channels	50	100
No. of Dialup channels	50	750
Over-Air-IP	✓	✓
VPN for Over-Air-IP	✓	✓
No. of 512 controllers on a Direct channel	24	24
No. of 512 controllers on an IP channel	24	24
No. of 512 controllers on a Dialup channel	4	4
PAC 520/530 support (I/O controllers)	✓	✓
No. of 520/530 I/O controllers supported	4	4000
No. of 520/530 I/O controllers on a PAC 512DC/DCi channel	4	4
COMPATIBILITY FEATURES		
No. of PAC 500 channels	✗	500
No. of PAC 500 (and PAC 500 controlled 520/530) Controllers on a PAC 500 channel	✗	24
PAC 2000 Series support	Feature Pack	Feature Pack
USER LICENCE LIMITS		
No. of PAC 500 channels	✓	500
Keys	20000	75000
Key-holders	✓	✓
Operators	25	100
Unused Key Expiry	✓	✓
SYSTEM LICENCE LIMITS		
Org Units	5	100
Client PCs	5	15
Alarm Workstations	2	8
Web Browser Interface	Feature Pack	✓
Active Directory	Feature Pack	Feature Pack

PAC easinet™ residential

Designed for residential customers.

Access Control management with enhanced security that is specifically designed for residential customers.

easinet™ residential is designed to support residential deployments with customer focused features and a dedicated User Interface for configuring and maintaining security through electronic access and building controls to single location or multi-site residential estates.

SOFTWARE LICENCE

Management: easinet™ residential SE licence

909052909

200 Doors, 50 Dial-up Channels, 50 Direct Channels, PAC and Easikey 1000 support.

Management: easinet™ residential Pro licence

909052915

750 Doors, 500 Dial-up Channels, 100 Direct Channels and 25 Org Units.

FEATURE PACKS

Option - easinet™ residential +10 doors

13969

Option - easinet™ residential +50 doors

13970

Option - easinet™ residential +10 dial-up channels

13967

Option - easinet™ residential +50 dial-up channels

13968

Option - easinet™ residential +500 Access Groups

13402

Option - easinet™ residential +5,000 Keyholders

13086

Option - easinet™ residential +10 Operators

13114

Option - easinet™ residential additional client PC

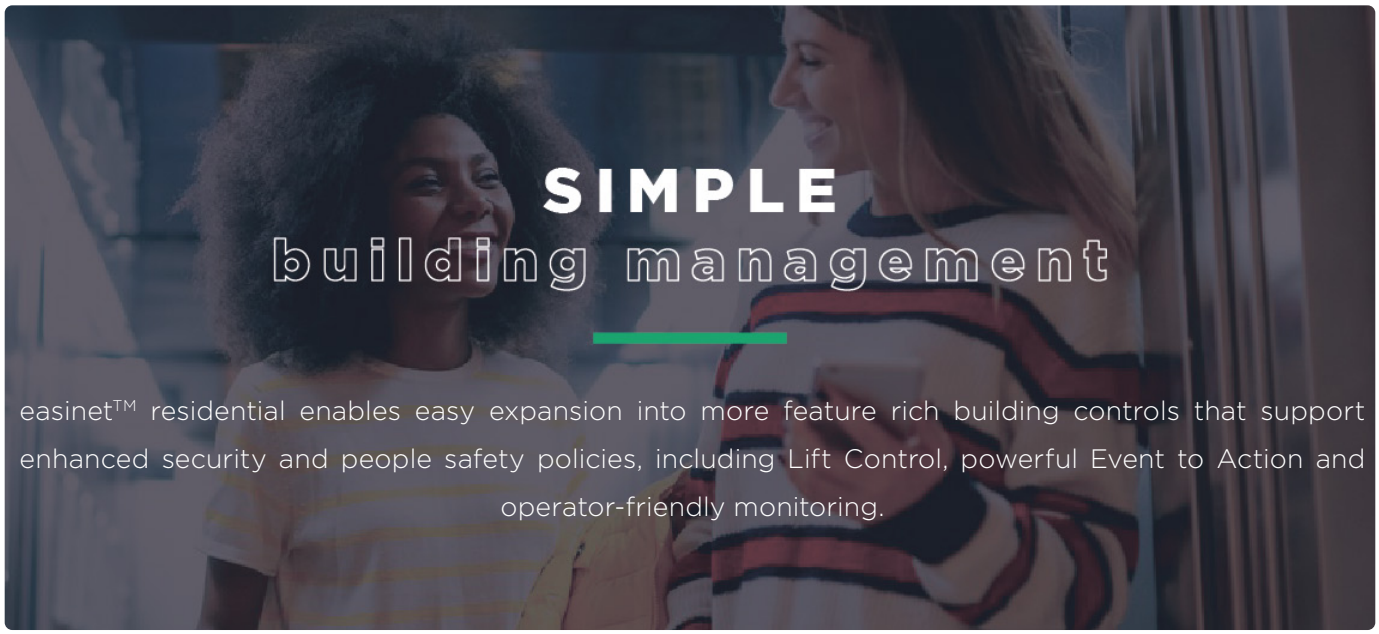
909052910

PAC easinet™ residential • Software Features

Features	SE Edition	Professional Edition
FEATURE LICENCE LIMITS		
No. of Doors	200	750
Areas	✓	✓
User defined Access Groups	×	✓
Event to Action Manager	✓	✓
Area Management	×	✓
Lift Call	×	✓
Lift Control	×	✓
No. of Lifts	×	100
CCTV	✓	✓
Time Zones	✓	✓
No. of Time Profiles	50	100
No. of Holiday Profiles	2	5
No. of Access Groups	500	2000
Department Access	×	✓
Timed Access	×	✓
Card Designer	✓	✓
Control Centre	✓	✓
Event Archiving	✓	✓
Personal Access	✓	✓
Audit Trail	×	✓
Token Formats	Feature Pack	✓
USER LICENCE LIMITS		
Key-holders	20000	30000
Operators	10	15
Unused Key Expiry	✓	✓

PAC easinet™ residential • Software Features

Features	SE Edition	Professional Edition
HARDWARE LICENCE LIMITS		
PAC 512 DC controller support	✓	✓
No. of PAC 2100/2200 controllers	250	750
IP channels support	✓	✓
No. of Direct channels	50	100
No. of Dialup channels	50	500
VPN for Over-Air-IP	✓	✓
No. of 512 controllers on a direct channel	24	24
No. of 512 controllers on an IP channel	24	24
No. of 512 controllers on a dialup channel	4	4
PAC 520/530 support (I/O Controllers)	✓	✓
No. of 520/530 controllers supported	4	4000
No. of 520/530 controllers on a PAC 512 DC/DCi Channel	4	4
Online Controllers	✓	✓
Data switch support	✓	✓
Biometric Reader Support	✓	✓
EasiKey 1000 Support	✓	✓
SYSTEM LICENCE LIMITS		
Org Units	1	25
Client PCs	2	15
Web Browser Interface	✓	✓



Management Options

A range of accessories and supporting components for ease of installation and management of PAC systems.

PC BUILDS

Management: Pre-configured Cube with Access Central™ Mini

PAC-MGT-CB-AC-MN-GB

Pre-configured mini cube with Access Central™ software

Management: Pre-configured Cube with Access Central™ SE

PAC-MGT-CB-AC-SE-GB

Pre-configured cube with Access Central™ software.

Management: Pre-configured Cube with easinet™ residential SE

PAC-MGT-CB-ER-SE-GB

Pre-configured cube with easinet™ residential software.

PAC GS3 ADMINISTRATION AND INTERFACE KITS

Management: Admin Reader - Multi-tech, USB cable

909020115

Administration Kit for adding credentials in to PAC Access Central™ or easinet™ Residential Software.

Modem Options

Management: Modem - GSM/GPRS low profile aerial	40203
Management: Modem - GSM/GPRS modem, PSU, USB	40315
Management: Modem - GSM/GPRS high gain aerial, 10 m	MGTMD-001
Management: Modem - GSM/GPRS high gain aerial, 15m	MGTMD-002
Management: Modem - GSM/GPRS high gain aerial, 20 m	MGTMD-003

MODEM/ROUTER

Management: 4G Modem/Router - IP

PAC-MGT-MD-IP-KT

4G Modem/ Router that provides mobile connectivity via IP

Management: 4G Modem/Router - Serial

PAC-MGT-MD-SR-KT

4G Modem/ Router that provides mobile connectivity via serial

Management: 4G Modem/Router & PAC Gateway - IP, Kit (no enclosure)

PAC-MGT-MD-GW-IP-KT

4G Modem/Router and Gateway kit

Modem/Router Options

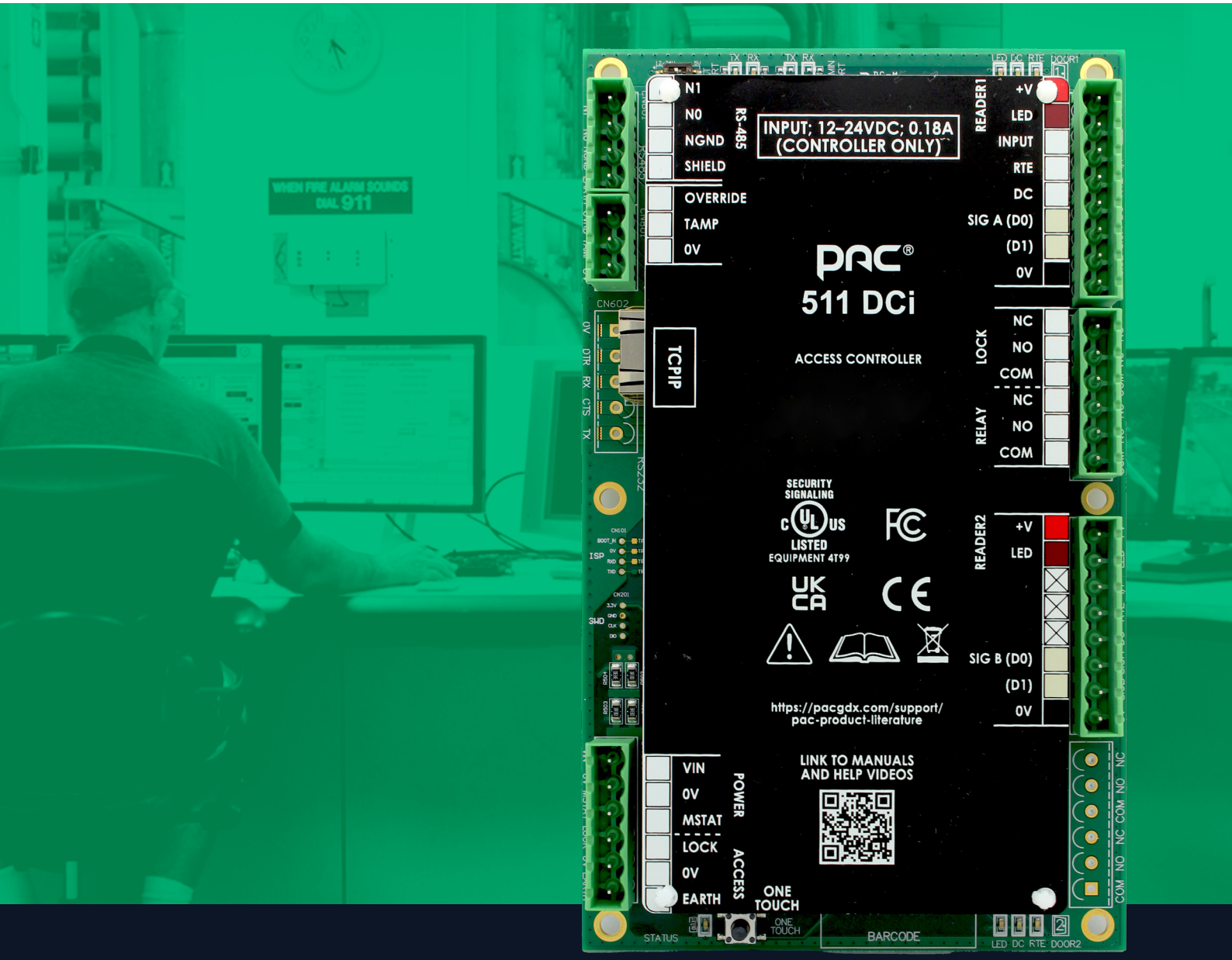
Management: PAC Gateway - IP, Mounting plate	PAC-MGT-GW-IP-MNT
Management: Option - Enclosure for 4G Modem/Router, plastic	PAC-MGT-OP-MD-ENC-PL
Management: Option - Enclosure for Gateway - IP, metal	PAC-MGT-OP-GW-ENC-ML
Management: Spare - PAC Gateway - IP	PAC-MGT-SP-GW-IP
Management: Spare - Mounting plate for Gateway	PAC-MGT-SP-GW-MP

Management: CSL Router

Router for on-premise solutions.

CSL Router Options

Management: CSL Router with SIM, 1GB Data	PAC-MGT-RT-SIM-1GB
Management: CSL Router with SIM, 2GB Data	PAC-MGT-RT-SIM-2GB
Management: CSL Router with SIM, 5GB Data	PAC-MGT-RT-SIM-5GB
Management: Spare - CSL Router	PAC-MGT-SP-RT



Door Controllers

Our extensive range provides a multitude of solutions to suit a variety of applications and environments.

Developed under the rigorous eye of industry experts, PAC Controllers follow strict compliance standards to ensure our equipment works in all possible conditions. From a simple two-door controller to a global network system that connects and controls access in multiple locations, PAC offer solutions to match your specific requirements.

511 Controllers

Fully featured 1 door access controllers that form the basis of our Networked Access Control solution.

Scalability from 1 to 2,000 doors • Security Level: Medium or High

2,000 doors

20,000 ID Devices

Controller: 511 - DCi, DIN Mount

909032511

DIN mount version. Designed for installing in our 4 or 6 way cabinets

Controller: 511 - DCi, enclosure, 3A PSU

909030511

Pre-wired with 3Amp PSU in metal case with tamper switch and circuit

512 Controllers

Fully featured 2 door access controllers that form the basis of our Networked Access Control solution.

Scalability from 2 to 2,000 doors • Security Level: Medium or High

2,000 doors

20,000 ID Devices

512DCi CONTROLLERS

Controller: 512 - DCi, DIN Mount

909030155

IP controller, complete with DIN Mount for fitting in to PAC's 4 or 6 way DIN Mount enclosures

Controller: 512 - DCi, enclosure, 3A PSU

909030154

Complete with lockable metal case, tamper switch and 3Amp PSU

512DC CONTROLLERS

Controller: 512 - DC, DIN Mount

909030055

RS-232 serial controller, complete with DIN Mount for fitting in to PAC's 4 or 6 way DIN Mount enclosures

Controller: 512 - DC, enclosure, 3A PSU

909030054

RS-232 serial controller, complete with lockable metal case, tamper switch and 3Amp PSU

212 Controllers

PAC 212 Standalone Access Controller.

Suitable to secure 1 or 2 doors • As a standalone controller with no need for any additional software • Security Level: Medium or High

2,000 doors

20,000 ID Devices

LOW FREQUENCY

Controller: 212 - LF, DIN Mount

909033075

DIN mount version. Designed for installing in 4 or 6 way cabinets

Controller: 212 - LF, enclosure, 3A PSU

909033074

Pre-wired with 3Amp PSU in metal case with tamper switch and circuit

HIGH FREQUENCY

Controller: 212 - HF, DIN Mount

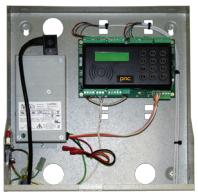
909034075

DIN mount fixing, designed for installing in our 4 way or 6 way cabinets

Controller: 212 - HF, enclosure, 3A PSU

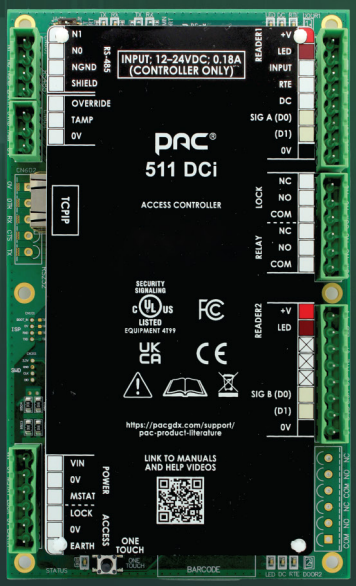
909034074

Pre-wired with 3Amp PSU in metal case with tamper switch and circuit



511 DCI
one door controller

The 511 DCi one-door controller brings great new flexibility to the PAC Access Control Range, significantly reducing installation costs for prewired buildings or replacing existing Access Control systems.



Controller Accessories

A range of high quality accessories for flexibility in building or upgrading your PAC system.

POWER SUPPLY UNITS

12V Power Supply with Battery Charger

DIN Rail: 909032059
No DIN Rail: 7280537

Output 12V DC at 50W

24V Power Supply with Battery Charger

DIN Rail: 909032059/1.00
No DIN Rail: 952/3.00

Output 24V DC at 50W

12/24V Power Supply with Battery Charger

909022008

Output 12/24 V DC at 99W

ENCLOSURES

Enclosure: 4-way - lockable enclosure with DIN rail

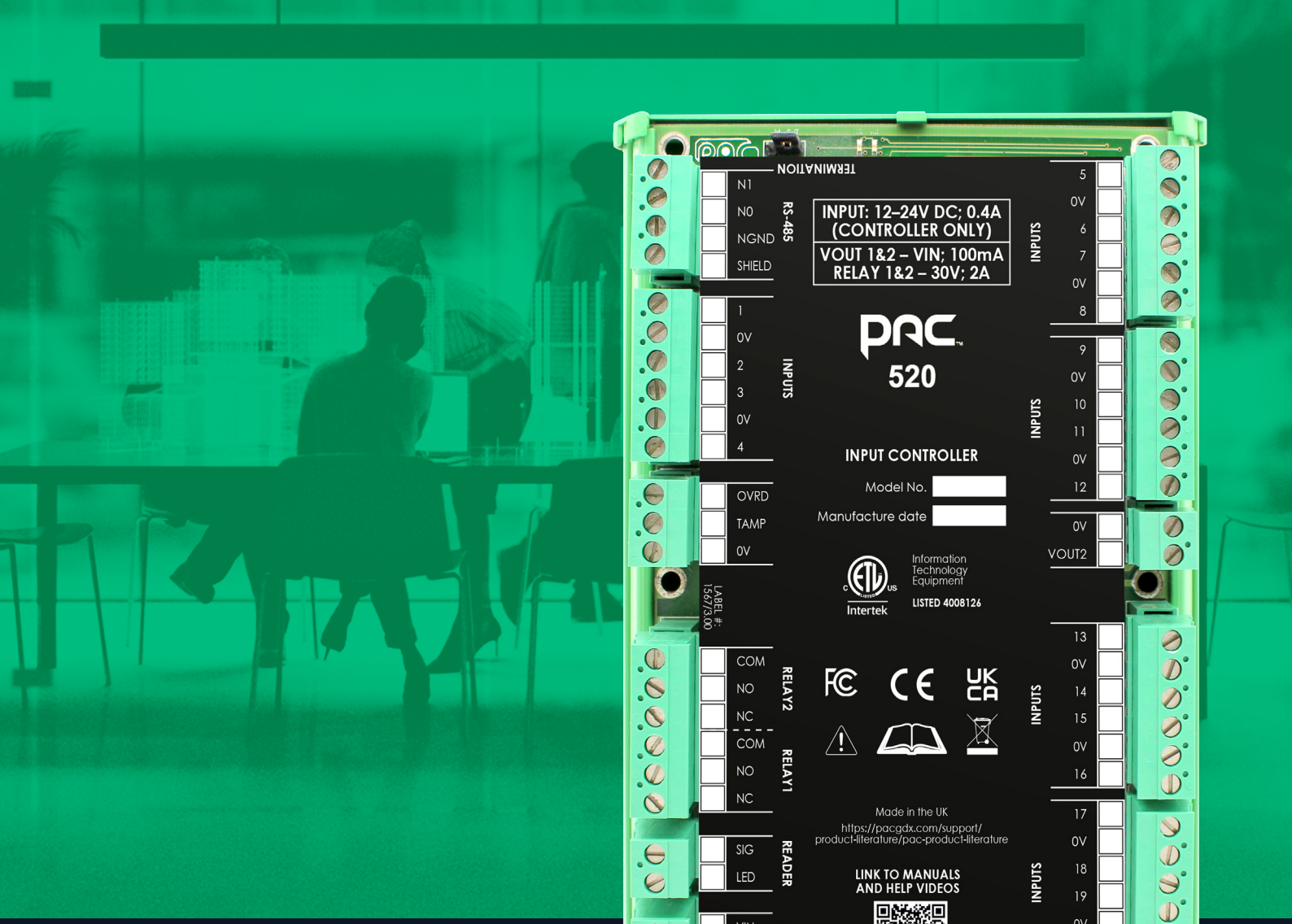
10031

590 x 580 x 110mm

Enclosure: 6-way - lockable enclosure with DIN rail

10032

770 x 580 x 120mm



Input and Output Controllers

Fully featured Input and Output Controllers for connecting to and driving additional sensors and equipment on site.

The I/O Controllers support alarm management and the PAC Event to Action rules built and managed within the PAC management software.

Input Controllers

Offering easy extension of the PAC access control system into alarm monitoring and management capability.

Input Relay

Controller: 520 - Input, DIN Mount

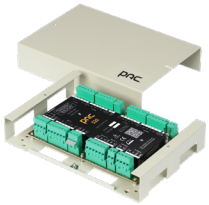
909020053

DIN mountable 520 Input Controller.

Controller: 520 - Input, enclosure

909020051

Boxed 520 Input Controller in a metal case.



Output Controllers

Enables extension of the PAC access control system into additional access control and security management functions, including lift control.

Output Relay

Controller: 530 - Output, DIN Mount

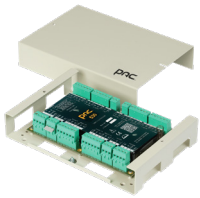
909020052

DIN mountable 530 Output Controller.

Controller: 530 - Output, enclosure

909020050

Boxed 530 Output Controller in a metal case.



FEATURE-RICH controllers

The PAC I/O Controllers are feature rich and highly configurable that deliver enhanced security and building control including, but not limited to, Lift control, monitoring, alarms, sounders, security shutters and CCTV pre-sets.

Readers

PAC Readers provide an unparalleled standard of security and robustness in a variety of applications.

A wide range of PAC readers are available to meet customers requirements, based on a variety of factors including authentication method, installation options or aesthetics. They are all designed and manufactured to high standards with a deserved reputation for their longevity in all environments.

PAC High Frequency Readers

PAC's range of HF readers support PAC's unclonable OPS™ credentials as well as other standard 13.56MHz RFID credentials.

Security Level: High

No risk of cloning when used with PAC OPS™ Credentials

HF

High Frequency

Reader: RFID HF - Mullion

909020120

Compact, IP65 rated reader designed to fit onto a door frame

Reader: RFID HF - Standard

909020121

IP65 rated reader designed to fit with most standard electrical back-boxes

Reader: RFID HF - PIN & Proximity

909020122

IP65 rated dual authentication reader designed to fit with most standard electrical back-boxes

Reader: RFID HF - Vandal, blue & grey

909022118

High durability, IP67 rated vandal resistant reader certified to Security Grade 3 level

Reader: RFID HF - Vandal, black & white

909020118

High durability, IP67 rated vandal resistant reader certified to Security Grade 3 level

Reader: RFID HF - Panel, blue & grey

909022119

IP65 rated panel mount reader to fit into standard panel openings for integration with intercoms and other systems

Reader: RFID HF - Panel, black & white

909020119

IP65 rated panel mount reader to fit into standard panel openings for integration with intercoms and other systems

Reader: RFID HF - DS1

909012182

IP55 rated indoor reader designed to fit onto a door frame

Reader: RFID HF - Backbox

909020124

IP55 rated indoor reader designed to fit into a standard electrical backbox

PAC Multi-Technology Readers

PAC's range of MT readers support both LF and HF credentials including PAC OPS™ (13.56MHz), PAC (153kHz) and KeyPAC (125kHz) credentials as well as other standard 125kHz LF and 13.56MHz HF RFID credentials.

MT
Multi-Technology

Security Level: Medium or High

Reader: RFID MT - Mullion

909020112

Compact, IP65 rated reader designed to fit onto a door frame

Reader: RFID MT - Standard

909020113

IP65 rated reader designed to fit with most standard electrical backboxes

Reader: RFID MT - PIN & Proximity

909020114

IP65 rated dual authentication reader designed to fit with most standard electrical backboxes

PAC Low Frequency Readers

PAC's range of LF readers support our PAC (153kHz) and KeyPAC (125kHz) credentials as well as other standard 125kHz RFID credentials.

Security Level: Medium

2 doors

2,000 ID Devices

Reader: RFID LF - Mullion

909020110

Compact, IP65 rated reader designed to fit onto a door frame

Reader: RFID LF - Standard

909020111

IP65 rated reader designed to fit with most standard electrical backboxes

Reader: RFID LF - Vandal, blue & grey

909022116

High durability, IP67 rated vandal resistant reader certified to Security Grade 3 level

Reader: RFID LF - Vandal, black & white

909020116

High durability, IP67 rated vandal resistant reader certified to Security Grade 3 level

Reader: RFID LF - Panel, blue & grey

909022117

IP65 rated panel mount reader designed to fit into standard panel openings for integration with intercoms and other systems

Reader: RFID LF - Panel, black & white

909020117

IP65 rated panel mount reader designed to fit into standard panel openings for integration with intercoms and other systems

PAC Exit Devices

Exit devices are located on the secure side of the door and used in conjunction with access control systems. The exit device is used to “request to exit” to ensure people can safely exit an area.

Exit Device: Hands-free - s/steel plate

EXDIR-001

IP65 rated hands-free designed to fit into a standard electrical backbox

Exit Device: Push Button - 25mm, s/steel

EXDPB-002

25mm button, single gang stainless steel plate

Exit Device: Push Button - 25mm, s/steel, yellow bezel

EXDPB-003

25mm button with Yellow ring, single gang stainless steel plate

Accessories

Accessory: Equipment - Vandal resistant screwdriver

1950

Vandal resistant screw driver for use with 20116, 22116, 20118, 22118

PSU: Option - Easikey 3A PSU, 12V

906011240

Input 220 – 240V
Output 13.8V

Architect Range by PAC

A range of readers designed by Architect, manufactured by STid, that support PAC OPS™ and digital smartphone credentials and utilising PAC secure reader protocols.

Mobile ID

HF
High Frequency

Security Level: High

Reader: RFID HF - Architect Mullion

7257710

Compact HF reader for supporting PAC OPS™ ID devices.

Reader: RFID HF - Architect Standard

7257712

Standard HF reader for supporting PAC OPS™ ID devices.

Credential: Mobile - PAC OPS™, blue

PAC-CD-MC-OPSC

AES 128Bit encrypted Smartphone Digital credential. Encrypted smartphone credential, equivalent to PAC OPS™ security.

Reader: Bluetooth RFID HF - Architect Mullion

7257711

Compact bluetooth reader supporting Smartphone Mobile IDs and PAC OPS™ credentials

Reader: Bluetooth RFID HF - Architect Standard

7257713

Standard bluetooth reader supporting smartphone Mobile IDs and PAC OPS™ credentials

Biometric Readers

The ievo biometric range of readers comes complete with a PAC output enabling direct connection to any of the PAC 512 & 511 range of controllers and is CPNI certified.

Security Level: High

Fingerprint

Reader: Option - Rev4 Ultimate & control board, 10k

7256412

A bundled solution of Ultimate fingerprint reader and Control Board with support for up to 10,000 fingerprint records

Reader: Option - Rev4 Micro & control board, 10k

7256414

A bundled solution of Micro fingerprint reader and Control Board with support for up to 10,000 fingerprint records

Reader: Biometric Fingerprint - Rev4 Ultimate

7255493

IP rated fingerprint reader with multi-spectral imaging sensor for reliable fingerprint identification

Reader: Biometric Fingerprint - Rev4 Micro

7255495

Compact indoor fingerprint reader with optical imaging sensor for reliable fingerprint identification

Reader: Option - Rev4 control board, 10k

7255489

Stores the fingerprint database and authentication requests for the Biometric Readers

Reader: Option - Rev4 PoE control board, 10k

7255490

PoE powered controller that stores the fingerprint database and authentication requests for the Biometric Readers

Reader: Option - Rev4 S Compatible control board, 10k

7255510

Stores the fingerprint database and authentication requests for the Biometric Readers

Reader: Option - Rev4 S Compatible PoE control board, 10k

7255511

PoE powered controller that stores the fingerprint database and authentication requests for the Biometric Readers

Reader: Option - Admin reader for Ultimate, USB cable

7255497

Designed for fingerprint registration that is used by the Ultimate Biometric readers

Reader: Option - Admin reader for Micro, USB cable

7255498

Designed for fingerprint registration that is used by the Micro Biometric readers

Reader: Option - Surface mount kit for Ultimate

40364

Can be surface mounted onto the fabric of the building. Reader not included

Reader: Option - Flush mount kit for Ultimate

40365

Can be flush mounted on to the fabric of the building Note: Reader not included

Reader: Option - Biometric Relay module for LED control

40368

Allows the PAC 512 controllers to control the LED on the ievo range of biometric readers

Credentials

PAC credentials come in a range of forms (fob, card or mobile) and technology types that enable a variety of user options.

PAC credentials suit many different access control deployments and user options throughout the commercial, residential and educational sectors. The following sections detail the credentials when ordered with the PAC access control system.

PAC Credentials

PAC Credentials are a range of 153Khz Tokens and Cards. They use passive RFID technology and require no batteries.

Security Level: Medium

kHz
153.6kHz

LF
Low Frequency

Credential: PAC Fob - black, clip, qty 10

PAC-CD-FB-PACC-CLP

Clip included. Fully encapsulated in black ABS plastic, double sealed and ultrasonically welded.

Credential: PAC Fob - black, no clip, qty 10

PAC-CD-FB-PACC-NOC

Fully encapsulated in black ABS plastic, double sealed and ultrasonically welded.

Credential: PAC Card - qty 10

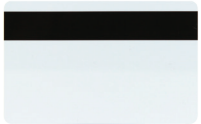
PAC-CD-CR-PACC

ISO card allowing for direct thermal or image transfer printing

Credential: PAC Card - magnetic stripe, qty 10

PAC-CD-CR-PACC-M

PAC ISO card with a magnetic stripe for encoding by others



KeyPAC Credentials

KeyPAC is a 125Khz range of Tokens and Cards which are passive proximity devices and require no batteries.

Security Level: Medium

kHz
125kHz

LF
Low Frequency

Credential: KeyPAC Fob - white, clip, qty 10

PAC-CD-FB-KPAC-CLP

Clip included. Fully encapsulated in white ABS plastic, double sealed and ultrasonically welded.

Credential: KeyPAC Fob - white, no clip, qty 10

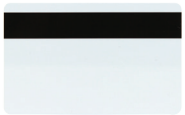
PAC-CD-FB-KPAC-NOC

Fully encapsulated in white ABS plastic, double sealed and ultrasonically welded.

Credential: KeyPAC Card - magnetic stripe, qty 10

PAC-CD-CR-KPAC-M

PAC ISO card with pre-punched hole along both edges.



Credential: KeyPAC Card - qty 10

PAC-CD-CR-KPAC

PAC ISO card with pre-punched hole along the long edge.

PAC OPS™ Lite

PAC OPS™ Lite Credentials support HF PAC protocol.

Security Level: High

MHz
13.56kHz

HF
High Frequency

Credential: OPS™ Lite Fob - blue, clip qty 10

PAC-CD-FB-OPSL-CLP

Clip included. Fully encapsulated in blue ABS plastic, double sealed and ultrasonically welded

Credential: OPS™ Lite Fob - blue, no clip, qty 10

PAC-CD-FB-OPSL-NOC

Fully encapsulated in blue ABS plastic, double sealed and ultrasonically welded

Credential: OPS™ Lite Card - qty 10

PAC-CD-CR-OPSL

ISO card allowing for direct thermal or image transfer printing

PAC OPS™

PAC OPS™ Credentials support HF PAC protocol. High security anti-clone technology.

Security Level: High

Reduced risk of credential cloning

HF
High Frequency

Credential: OPS™ Fob - grey, clip, qty 10

PAC-CD-FB-OPSC-CLP

Clip included. Fully encapsulated in grey ABS plastic, double sealed and ultrasonically welded

Credential: OPS™ Fob - grey, no clip, qty 10

PAC-CD-FB-OPSC-NOC

Fully encapsulated in grey ABS plastic, double sealed and ultrasonically welded

Credential: OPS™ Card - qty 10

PAC-CD-CR-OPSC

ISO card allowing for direct thermal or image transfer printing

PAC Fob Colour Clips

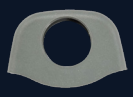
For use with all PAC fobs.

Credential: Option - Fob clip (red), qty 10
PAC-CD-FB-OP-CLP-RED

Credential: Option - Fob clip (green), qty 10
PAC-CD-FB-OP-CLP-GRE

Credential: Option - Fob clip (yellow), qty 10
PAC-CD-FB-OP-CLP-YEL

Credential: Option - Fob clip (turquoise), qty 10
PAC-CD-FB-OP-CLP-TUR



Credential: Option - Fob clip (grey), qty 10
PAC-CD-FB-OP-CLP-GRY

Credential: Option - Fob clip (black), qty 10
PAC-CD-FB-OP-CLP-BLK

Credential: Option - Fob clip (blue), qty 10
PAC-CD-FB-OP-CLP-BLU

Credential: Option - Fob clip (maroon), qty 10
PAC-CD-FB-OP-CLP-MAR

Credential: Option - Fob clip (white), qty 10
PAC-CD-FB-OP-CLP-WHT

Residential Cloud

Your database is your biggest asset. Protect it.

The PAC Residential Cloud™ allows you to manage and monitor your access control system in a secure, modern and cloud-based environment.

Whether the management of your system has become a financial burden or a security risk, the Residential Cloud is the ideal solution. With easy and flexible remote connectivity and the ultra secure environment, PAC Residential Cloud minimises daily challenges occurring in residential complexes.

Flexible Connectivity

Multiple connection methods to the remotely located door controller equipment, including existing infrastructures such as GPRS (Over Air IP), GSM or IP Network.

System Available 24/7

Stay in control of your system with the freedom to employ your own installers to carry out system expansions 24/7.

Remote Management System

Remote connectivity allows your system engineers and administrators to manage the site from any location or device.

Ultra Secure System Hosting

PAC Residential Cloud looks after your most valuable asset - your database, by keeping it safe at all times.

Cloud Data Backup

PAC Residential Cloud ensures all data can be safely recovered helping to maintain a smooth and uninterrupted system operation.

The System Database is yours

Even if you change your mind at the end of the contract, PAC will hand your data back to you at no additional cost.

Secure data centre is ISO 27001 certified

COMELIT PAC TRAINING ACADEMY | WITH YOU ALWAYS

Comelit-PAC's Training Academy courses are **designed to give you the knowledge and skills to install and commission our solutions.** Located in the north and south of the UK, comprehensive courses cover all aspects of system design, including **installation, configuration and commissioning.**

You will gain **theoretical experience and techniques** required to get the most out of our solutions. Our training will also enable you to **maximise your use of time** during the **installation process.**

Different solutions require different approaches to training. Depending on experience and technologies, our training courses are designed to cater from **installation engineers to end users**. Our Training Academy offers both **in person and virtual sessions**, to suit your needs.

For more information contact us on trainingacademy@comelit-pac.co.uk

Contact Us

SALES

Our experienced sales team are here to ensure your security solution is fit for purpose. Whatever your secure access control need is, we have the solution. Contact our team of nationwide experts today.

Tel: +44 (0)161 406 3400
Email: pacgdxsales@comelit-pac.co.uk

CUSTOMER SERVICE

We understand how important it is to handle your day-to-day requirements with speed and efficiency, which is why our customer service team is committed to providing a first class service. Contact us today and we'll be happy to help.

Tel: +44 (0)161 406 3400
Email: pacgdxcustomerservice@comelit-pac.co.uk

TECHNICAL SUPPORT

Our technical support teams are highly skilled in answering any questions you have in relation to our products. We have specialist skills in communication and IT related areas and are able to provide supporting documentation.

Tel: +44 (0)161 406 3400
Email: pacgdxsupport@comelit-pac.co.uk

NOTES

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