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## PAC ACCESS CONTROL

## Keeping you secure.



# **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.

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.

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## **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<sup>™</sup> 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<sup>™</sup>

#### Designed for commercial applications.

A management platform dedicated to commercial/educational environments.

Access Central<sup>™</sup> 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.



### **PAC Access Central**<sup>™</sup> • Software Features

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



## **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<sup>™</sup> Mini

PAC-MGT-CB-AC-MN-GB

Pre-configured mini cube with Access Central<sup>™</sup> software



### Management: Pre-configured Cube with Access Central<sup>™</sup> SE

PAC-MGT-CB-AC-SE-GB

Pre-configured cube with Access Central<sup>™</sup> 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<sup>™</sup> or easinet<sup>™</sup> Residential Software.





## **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



#### 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





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



#### 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.



#### 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.



#### 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

#### **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 - Vandal, blue & grey

#### 909022118

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



#### 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 - Vandal, black & white

909020118

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



Reader: RFID HF - DS1

909012182

IP55 rated indoor reader designed to fit onto a door frame





#### 909020122

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

No risk of cloning

OPS™ Credentials



HF

**High Frequency** 

#### 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 - 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<sup>™</sup> (13.56MHz), PAC (153kHz) and KeyPAC (125kHz) credentials as well as other standard 125kHz LF and 13.56MHz HF RFID credentials.



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 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





#### 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<sup>™</sup> and digital smartphone credentials and utilising PAC secure reader protocols.

Security Level: High

#### Reader: RFID HF - Architect Mullion

7257710

Compact HF reader for supporting PAC  $OPS^{TM}$  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

Mobile ID

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



High Frequency

#### 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

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

7256412

Micro

7255495

Compact indoor

with optical

identification

fingerprint reader

imaging sensor for

reliable fingerprint

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 multispectral imaging sensor for reliable fingerprint identification



Fingerprint

#### **Reader: Option - Rev4 PoE control** board, 10k

7255490

PoE powered

the fingerprint

database and

authentication

requests for the **Biometric Readers** 

controller that stores

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

**Reader: Biometric Fingerprint - Rev4** 

Stores the fingerprint database and authentication requests for the **Biometric Readers** 



### 7255510

Readers / Biometric Readers

#### **Reader: Option - Admin reader for** Micro, USB cable

#### 7255498

22 •

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



#### Reader: Option - Rev4 control board, 10k

7255489

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 - 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









#### Designed for fingerprint registration that is used by the Ultimate 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**

Credential: PAC Fob - black, clip, qty

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

Security Level: Medium

PAC-CD-FB-PACC-CLP

Clip included. Fully

encapsulated in

double sealed

welded.

black ABS plastic,

and ultrasonically

10

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 - magnetic stripe, qty 10

PAC-CD-CR-PACC-M

PAC ISO card with a magnetic stripe for encoding by others

ISO card with	
gnetic stripe	

### **KeyPAC Credentials**

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

Security Level: Medium

### 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 - qty 10

PAC-CD-CR-KPAC

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



#### Credential: PAC Card - qty 10

PAC-CD-CR-PACC

**kH**z

153 6kHz

ISO card allowing for direct thermal or image transfer printing



Low Frequency



### Credential: KeyPAC Card - magnetic stripe, qty 10

PAC-CD-CR-KPAC-M

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



### PAC OPS<sup>™</sup> Lite

#### PAC OPS<sup>™</sup> Lite Credentials support HF PAC protocol.

Security Level: High

#### Credential: OPS<sup>™</sup> Lite Fob - blue. clip qty 10

PAC-CD-FB-OPSL-CLP

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

**PAC OPS**<sup>™</sup>

anti-clone technology.



PAC OPS<sup>™</sup> Credentials support HF PAC protocol. High security

#### Credential: OPS<sup>™</sup> Lite Fob - blue, no clip, qty 10

PAC-CD-FB-OPSL-NOC

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

ISO card allowing for direct thermal or image transfer printing

PAC-CD-CR-OPSL

Security Level: High

#### Credential: OPS<sup>™</sup> Fob - grey, clip, qty 10

PAC-CD-FB-OPSC-CLP

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



#### Credential: OPS<sup>™</sup> Fob - grey, no clip, qty 10

PAC-CD-FB-OPSC-NOC

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

#### Credential: OPS<sup>™</sup> 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 (turquoise), qty 10 PAC-CD-FB-OP-CLP-TUR



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







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



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





clip (yellow), qty 10 PAC-CD-FB-OP-CLP-YEL

Credential: Option - Fob





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



Credential: OPS<sup>™</sup> Lite Card - qty 10



Reduced risk of clonina





**Comelit'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.

# **Contact Us**

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