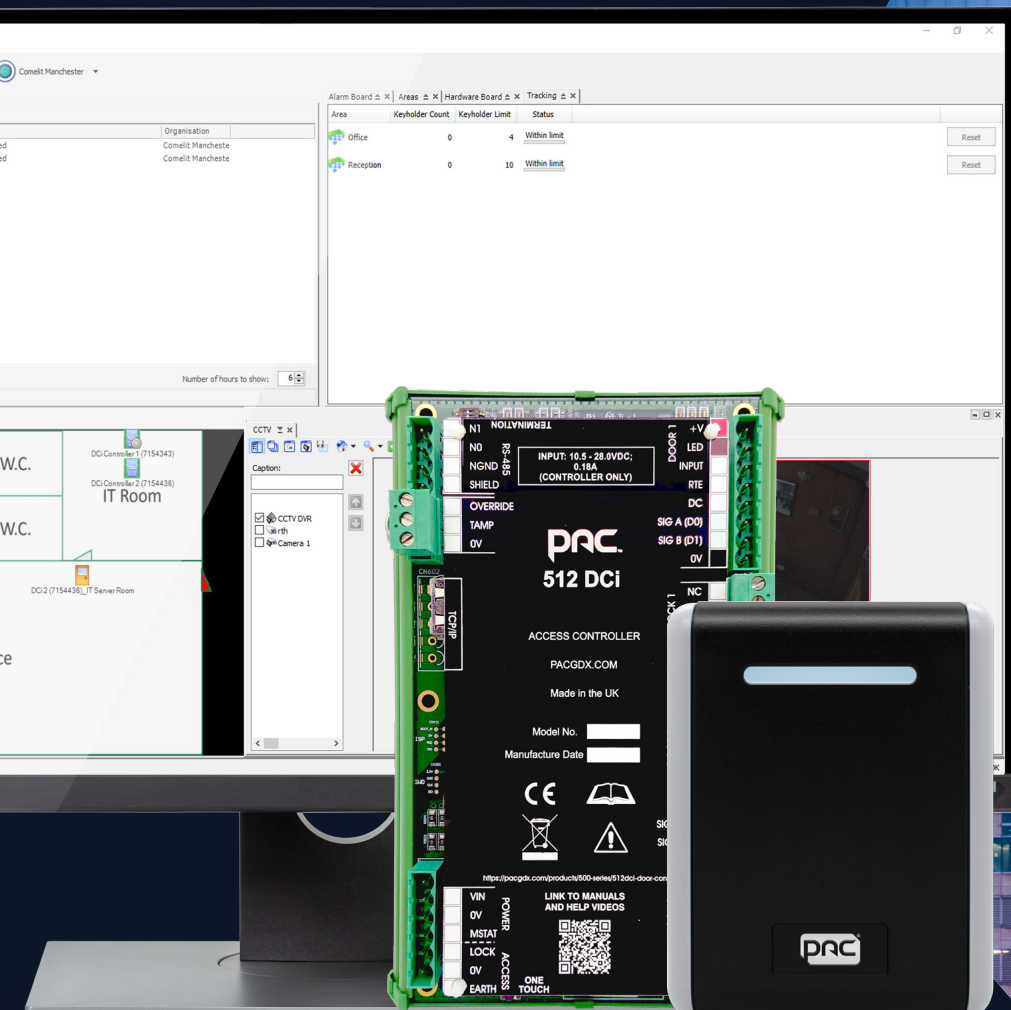


PAC ACCESS CONTROL

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.

FEEL SECURE

Comelit has a **global presence and support capability** with 10 branch offices, 6 R&D centers, more than 900 employees and a commercial presence in over 90 countries. **Feel Secure**, where your success is our success.

Comelit-PAC, is the **specialized Access Control division** within Comelit, with over 40 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

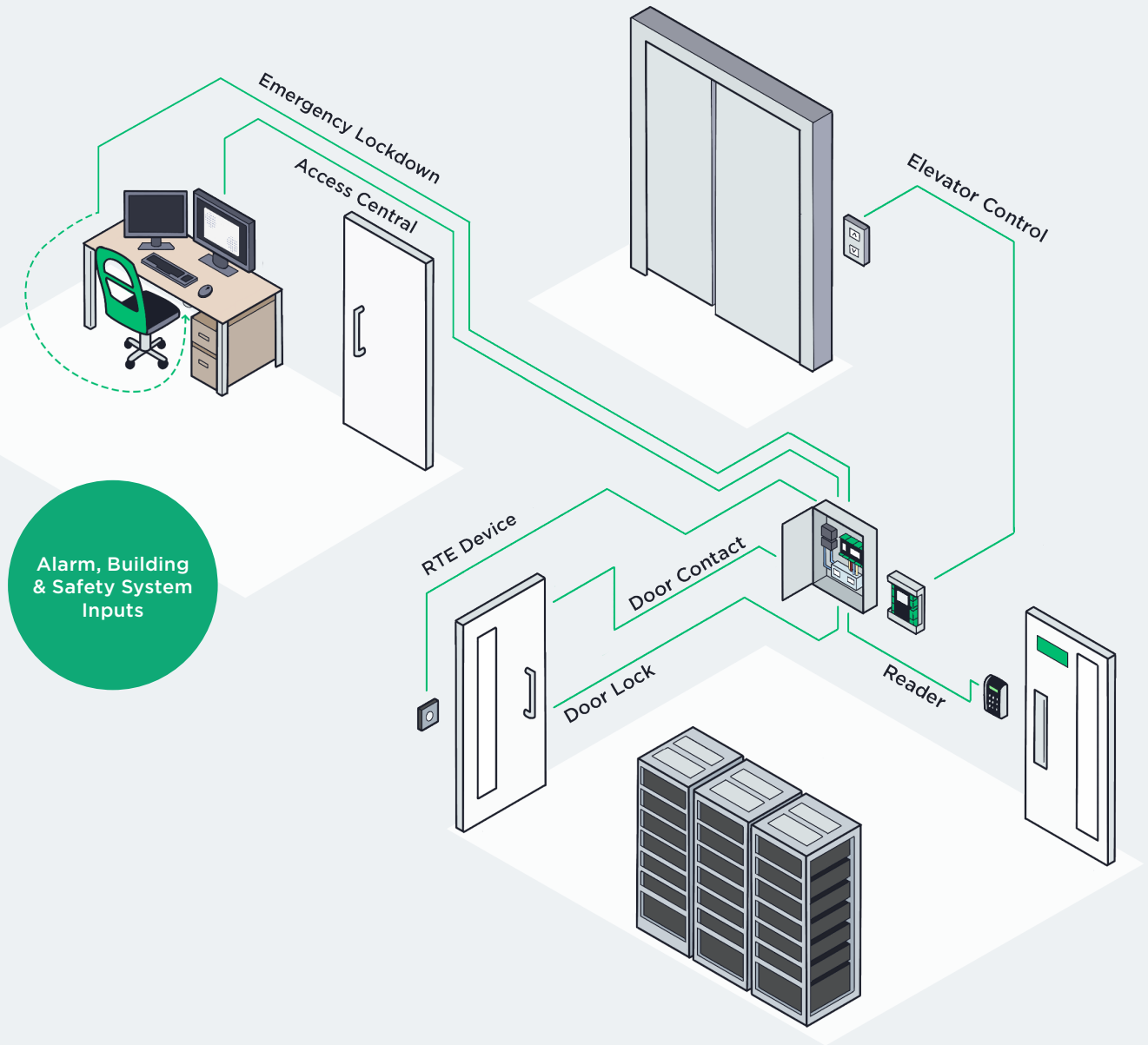
PAC credentials come in a range of forms (key fob, card or mobile) and technology types that enable a variety of user options.

MANAGEMENT SOFTWARE

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

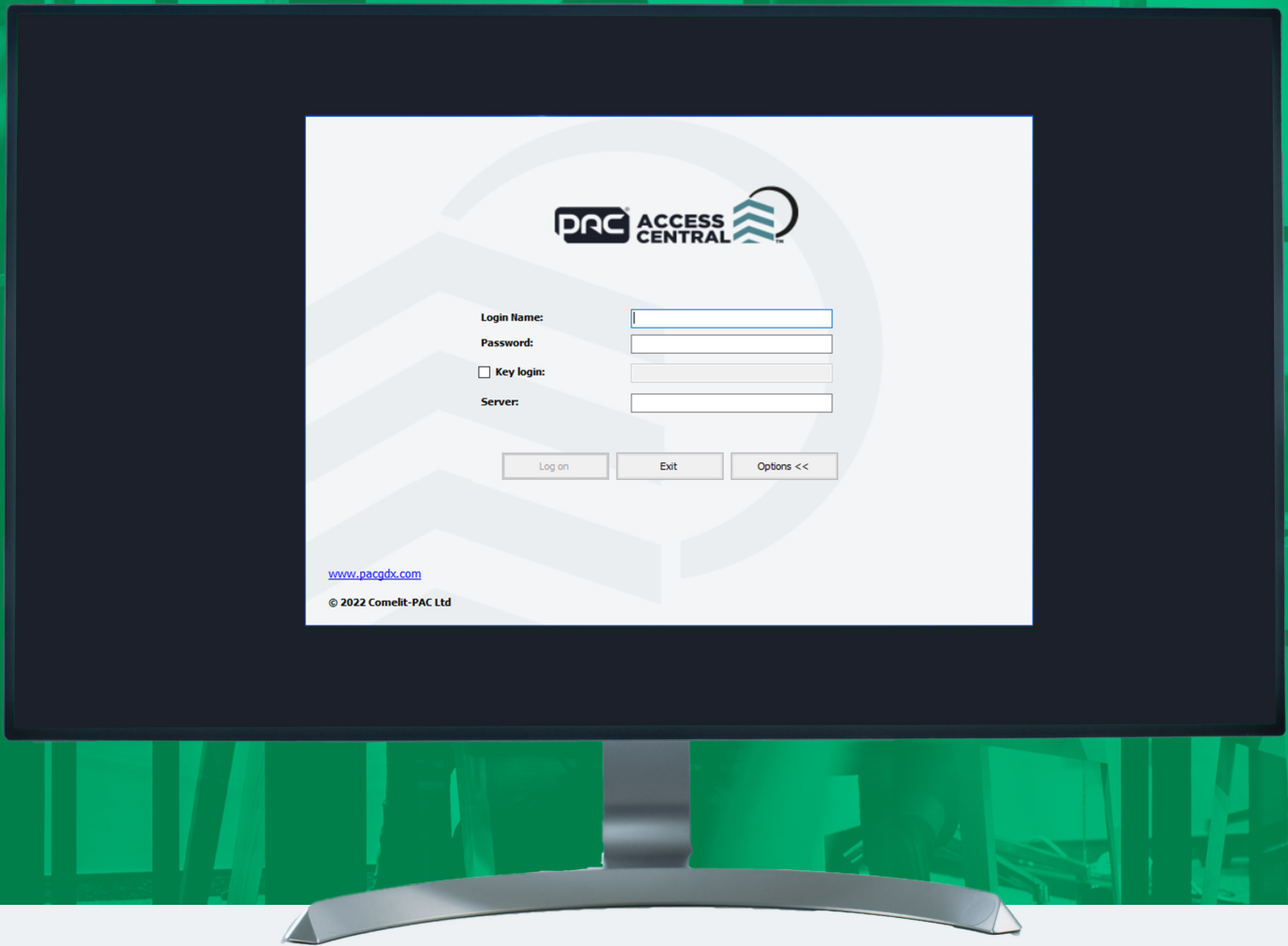


Adding PAC Value



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 software platform protects people, property and assets.

Our management software is committed to support people safety and building security policies being automatically enforced, monitored and reported on 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 organization 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, Payment systems to name but a few.

PAC Access Central™

Designed for commercial applications.

A management platform dedicated to commercial, educational, and residential environments. Access Central is a powerful software management platform designed to support all customers with their access control and building management policies and real-time monitoring. Dedicated to supporting a wide range of security requirements suited for deployment in commercial, educational, or multi-tenanted residential sites means that Access Central becomes the single pane of glass for operating your PAC access control system.

SOFTWARE LICENSE

Management: Access Central™ SE licence

13490/1.00

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



Management: Access Central™ Pro licence

13491/1.00

For systems up to 2000 doors and 75,000 cardholder records.



Software downloadable 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



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	✗	✓
Elevator Call	✓	✓
Elevator Control	✓	✓
Elevator Management	✗	✓
No. of Elevator Cabs	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	✓	✓
Card Formats	Feature Pack	✓
Visual Verification	✓	✓
Local Anti-Passback	✓	✓
Event Relay	✓	✓

PAC Access Central™ • Software Features

Features	SE Edition	Professional Edition
HARDWARE LICENSE 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 512 (and PAC 500 controlled 520/530) Controllers on a PAC 500 channel	✗	24
PAC 212 support	Feature Pack	Feature Pack
USER LICENSE LIMITS		
No. of PAC 500 channels	✓	500
Cardholder records	20000	75000
Operators	25	100
Unused Card Expiry	✓	✓
SYSTEM LICENSE LIMITS		
Org Units	5	100
Client PCs	5	15
Alarm Workstations	2	8
Web Browser Interface	Feature Pack	✓
Active Directory	Feature Pack	Feature Pack



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™ SE

PAC-MGT-CB-AC-SE-US

Pre-configured cube with Access Central™ 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.



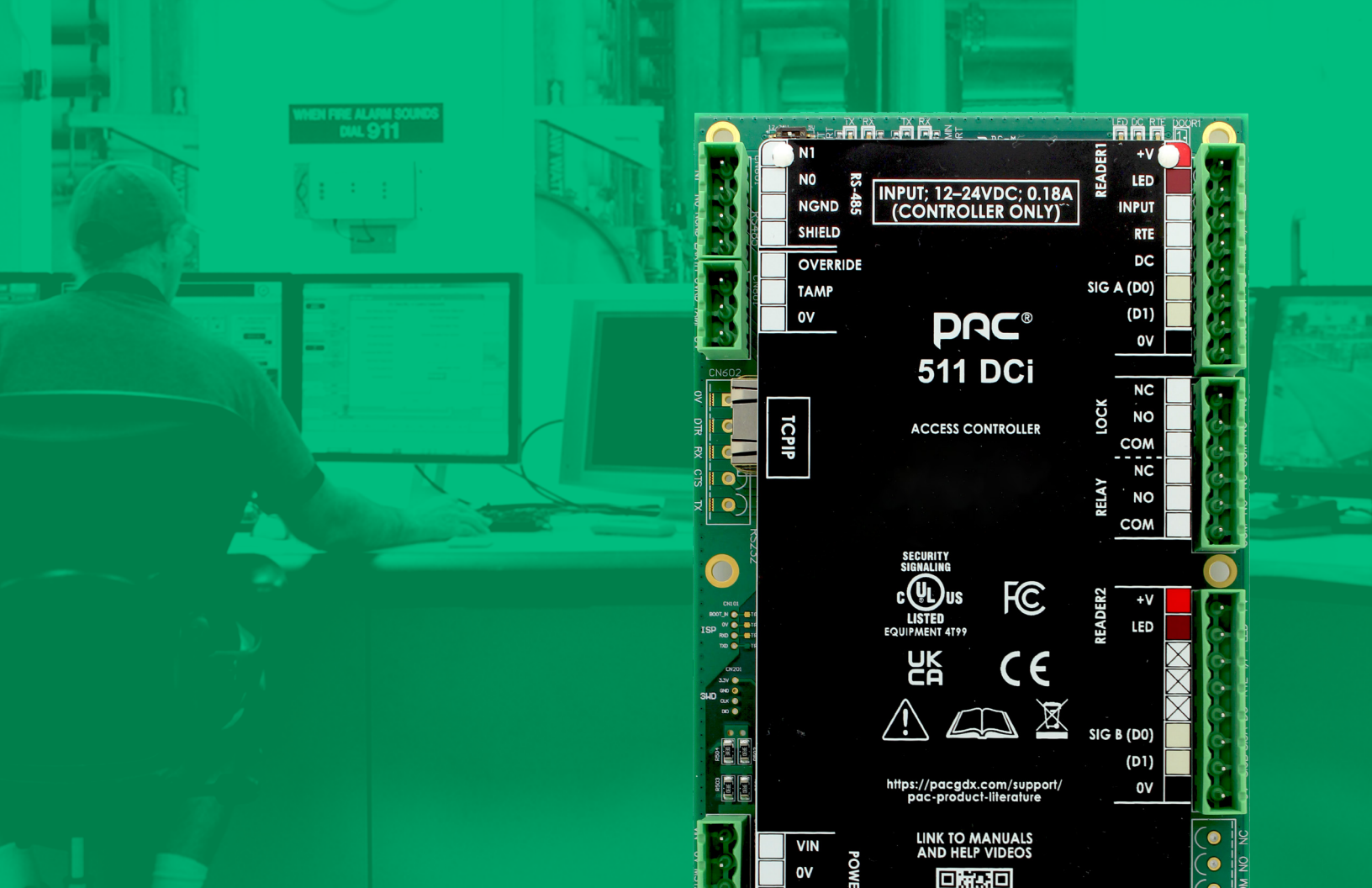
LEGACY PSU

READYKEY™ K2100/K2200 8-Amp Power Supply Amp

909021930

Replacement power supply for a K2200 controller





Controllers and Kits

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

909031511

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



512 Door 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



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



Boxed PAC 512 DCi Access Controller

909037154

IP Controller with lockable metal case, tamper switch and 7A 12 or 24VDC Power Supply/Charger



512DC CONTROLLERS

Controller: 512 - DC, DIN Mount

909030055

RS-485 serial controller, complete with DIN Mount for fitting in to PAC's 4 or 6 way DIN Mount enclosures



Boxed PAC 512 DC Access controller

909037054

RS-485 Controller with lockable metal case, tamper switch and 7A 12 or 24VDC Power Supply/Charger



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

Output 12 V DC at 50W



24V Power Supply with Battery Charger

DIN Rail: 909032059/1.00

Output 24 V 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

10081

H: 19.5 in.W: 20.5 in.
D: 3.75 in.



Enclosure: 6-way - lockable enclosure with DIN rail

10082

H: 29.5 in.W: 22.5 in.
D: 3.75 in.

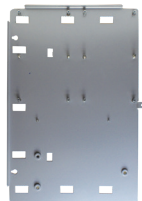


UPGRADE KITS

Retrofit Kit - PAC 2000 Series to PAC 512 Series Controller Back Plate

909021753

Complete with fixings for two PAC 512 series controllers



Input & Output Controllers

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



Input Relay



Output Relay

Controller: 520 - Input, DIN Mount

909020053

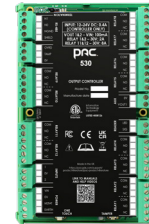
DIN mountable 520 Input Controller. Features 20 Inputs and 2 Outputs



Controller: 530 - Output, DIN Mount

909020052

DIN mountable 530 Output Controller. Features 12 Outputs and 2 Inputs.



FEATURE-RICH controllers

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

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



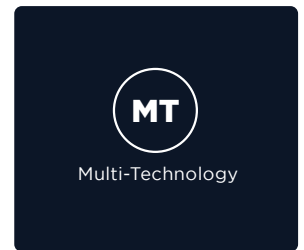


Readers

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 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.

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

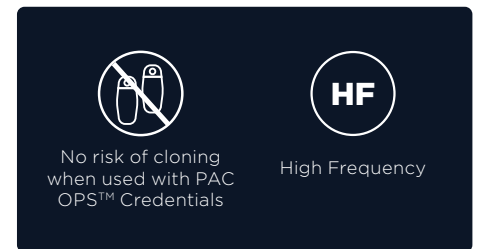
IP65 rated dual authentication reader designed to fit with most standard electrical backboxes



PAC 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 - 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



PAC Low Frequency Readers

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

Security Level: Medium



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 a single-gang electrical backbox



Reader: RFID LF - Vandal, black & white

909020116

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



Reader: RFID LF - Vandal, blue & grey

909022116

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



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



Reader: RFID LF - Panel, blue & grey

909022117

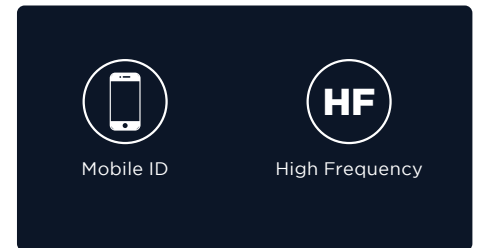
IP65 rated panel mount reader designed to fit into standard panel openings for integration with intercoms and other systems



Architect Range by PAC

A range of readers designed by architects that support PAC Ops and Digital smartphone credentials.

Security Level: High



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



Credential: Mobile - PAC OPS™, blue

7257718

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





Credentials

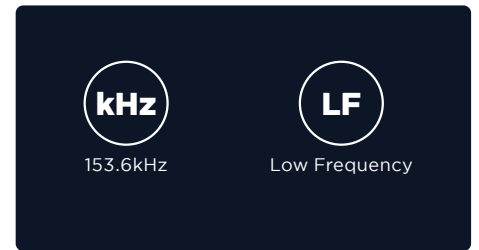
PAC credentials come in a range of forms (fob, card or mobile) and technology types that enable a variety of user options.

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 Key fobs and Cards. They use passive RFID technology and require no batteries.

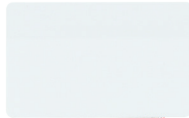
Security Level: Medium



Credential: PAC Card - qty 10

PAC-CD-CR-PACC

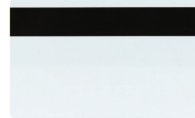
PAC ISO Proximity Card with support for direct thermal or image transfer printing (K2011B). Previous part number was 909021039.



Credential: PAC Card - magnetic stripe, qty 10

PAC-CD-CR-PACC-M

ISO Proximity Card with a magnetic stripe (K2011M). Previous part number was 909021041.



Credential: PAC Fob - black, clip, qty 10

PAC-CD-FB-PACC-CLP

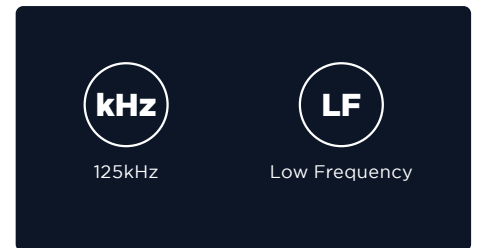
Fully encapsulated proximity key fob in black ABS plastic, double sealed and ultrasonically welded.(K2010)



KeyPAC Credentials

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

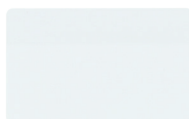
Security Level: Medium



Credential: KeyPAC Card - qty 10

PAC-CD-CR-KPAC

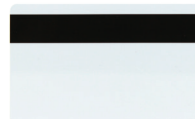
KeyPAC ISO Proximity Card with support for direct thermal or image transfer printing. Previous part number was 909021018.



Credential: KeyPAC Card - magnetic stripe, qty 10

PAC-CD-CR-KPAC-M

PAC ISO card with a magnetic stripe. Previous part number was 909021019.



Credential: KeyPAC Fob - white, clip, qty 10

PAC-CD-FB-KPAC-CLP

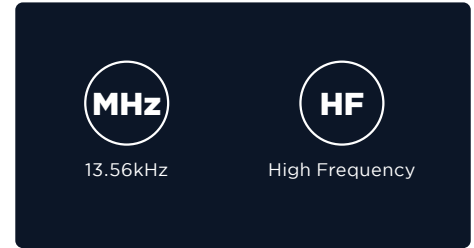
Fully encapsulated proximity key fob in black ABS plastic, double sealed and ultrasonically welded.



Smart Key Fobs

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

Security Level: High



OPS™ MIFARE® DESFire® EV1 Token, 4K with clip, pack of 10 - grey

PAC-CD-FB-OPSC-CLP

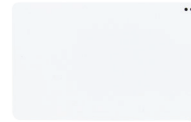
Fully encapsulated in grey ABS plastic, double sealed and ultrasonically welded. Previous part number was 909021103.



OPS™ MIFARE® DESFire® EV1 Card, 4K, pack of 10

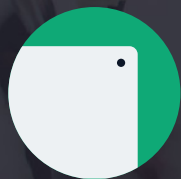
PAC-CD-CR-OPSC

ISO card allowing for direct thermal or image transfer printing. Previous part number was 909021106.



CARD identification

OPS LITE (MIFARE) and OPS (MIFARE DESFire EV1) ISO Proximity Cards are easily distinguished by the small dot pattern in the corner of each card. This pattern is provided as both an identifier and card orientation mark.



HOW TO IDENTIFY OPS LITE



HOW TO IDENTIFY OPS



COMELIT TRAINING ACADEMY

Comelit-PAC's Training Academy courses are designed to give you the knowledge and skills to install and commission our solutions. Our 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 maximize 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.

Contact Us



SALES

Tel: +1 626 930 0388 opt. 2

Email: pac.sales@comelitusa.com

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.

TECHNICAL SUPPORT

Tel: +1 626 930 0388 opt. 2

Email: pac.tech@comelitusa.com

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.

COMELIT®

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