inner range

Access Control | Video Surveillance | Security Systems



READERS, CREDENTIALS AND MOBILE ACCESS

INNERRANGE.COM

CLOUD CONNECTED ACCESS CONTROL

Security access control systems are put in place to manage entry to physical and digital spaces within an organization or premises, ensuring that only authorized individuals have entry to specific areas or resources, while unauthorized individuals are denied access.

It encompasses a variety of techniques, including keycards, smart mobile devices, PIN codes and biometric scanners, among others.

Inner Range provides Access Control solutions that determine who you are by providing varying levels of identity management like

- Something that you HAVE e.g. Card, Tag, Smart Mobile Device.
- Something that you KNOW e.g. PIN Number.
- Something the you ARE e.g. Facial recognition or fingerprint
- Or any combination of something that you HAVE, KNOW and ARE to create multi-factor authentication.

INNER RANGE: THE PERFECT SOLUTION

Inner Range puts SECURITY FIRST when it comes to controlling access to a premises. The systems hardware infrastructure is installed securely on site behind the network security policies of the organisation ensuring that critical data is safe and secure from would be hackers or cyber criminals.

Unlike other cloud-based security systems, the Inner Range solution keeps all critical information and user data secure in the controller and onsite software. However, we also provide an exceptional remotely connected end user experience through our IR Connect cloud connected service. Total cost of ownership is dramatically reduced by not having costly cloud based subscription services that also expose your organisation to cybercrime.

SECURITY FIRST

- Centralized access control management seamlessly connected through the cloud for ease of use from any remotely connected location.
- Access control managed locally on-site behind the network security policies of the organisation.
- Ensuring that who is on site is accurately identified and is permitted on site.
- Integrations with over 130 third party security solutions.
- Scalability from entry to enterprise global projects with varying numbers of users and locations.
- An end-to-end unified Video, Access and Security solution.
- Real-time monitoring and reporting of access events.
- Easily integrated to other cloud connected services and sub systems (e.g., video surveillance, visitor management)
- Enhanced security through encrypted communication and authentication protocols.
- Simplified deployment and maintenance with automatic updates and backups.
- Customizable access levels and permissions for different user roles.

INNER RANGE MOBILE ACCESS

Utilizing smartphone Bluetooth technology for building access control enhances the flexibility of traditional security measures offering convenience, enhanced functionality and more accurate identification of who is on site and when. Users gain entry to buildings by approaching the Bluetooth enabled readers at the access points and unlock the door with their smart phones eliminating the need for physical keys or access cards.

SMARTPHONE BLUETOOTH BUILDING ACCESS CONTROL

Inner Range puts SECURITY FIRST, before granting access to the building, by leveraging the smartphones biometric authentication features for two-factor authentication to identify the person on site. This add an additional layer of authentication that enhances the security levels of the premises. In high security areas like data centres, financial institutions and medical facilities, Inner Range Mobile Access can also be configured to ask for a second biometric authentication after selecting the door to access therefore providing the highest level of smart phone based access control.

CYBER SECURE CLOUD DELIVERED

Your user data and system configuration is secure behind the organisations network security policies, yet safely delivered through Inner Range's IR Connect cloud service that provides an encrypted end to end communication path for remote devices.

NO SUBSCRIPTIONS ONE OFF COST FOR MOBILE CREDENTIALS

IR Mobile Access provides credentials for smart phones at the cost of a traditional access control card. These credentials can be issued and revoked as many times as required at no extra cost. Your investment is never lost, damaged or destroyed and can be passed on to the next user or new smart device. This saves significant costs in the life cycle of the solution.

TWO-FACTOR AUTHENTICATION WITH BIOMETRICS

Two-factor authentication with biometrics enhances security and ensures the identity of the user before granting access.

CREDENTIALS SECURED

Credentials securely stored within the controller enhance data protection and access control measures.

MOBILE ACCESS READER

The Mobile Access reader is a combined Bluetooth enabled, IP67 rated, SIFER Smart Card reader that supports both Bluetooth mobile credentials and SIFER physical access cards and fobs for access control.

The Mobile Access reader is a multi-drop RS-485 based reader that employs 128-bit AES encryption from the card through to the door module, providing a far superior level of security than that of traditional Wiegand based card readers. The Mobile Access readers utilise the Mifare DESFire© EV1/EV2/EV3 card format and support reading the CSN of third party 13.56Mhz credentials.

As these readers utilise a superset of the OSDP protocol, the readers may also be deployed on any system capable of using OSDP. The readers are connected to the RS-485 reader port for full Reader-In and Reader-Out operation of various Inner Range products as below.

- Integriti Access Controller (IAC) - Up to 16 Readers on-board
- Intelligent LAN Access Module (ILAM) - Up to 16 Readers
- Standard LAN Access Module (SLAM) -Up to 4 Readers
- Inception Controller - Up to 8 Readers on-board

SIFER Reader are IP67 rated and available with site-specific encryption keys.



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MOBILE ACCESS KEYPAD

The Mobile Access Keypad is a combined Bluetooth enabled, IP67 rated Keypad and SIFER Smart Card reader that allows dual credential Mobile Credential / Card & PIN high security access control. (PIN only or Mobile Credential / Card only is also supported).

The Keypad is a multi-drop RS-485 device that employs 128-bit AES encryption from the card/keypad through to the door module, providing a far superior level of security than that of traditional Wiegand based keypads & card readers.

These Keypads utilise the Mifare DESFire© EV1/EV2/EV3 card format and utilise a superset of the OSDP protocol, which allows the keypads to be deployed on any system capable of using OSDP. Keypads are connected to the RS-485 reader port for full Reader-In and Reader- Out operation of various Inner Range products as below.

- Integriti Access Controller (IAC) - Up to 16 Keypads/Readers on-board
- Intelligent LAN Access Module (ILAM) - Up to 16 Keypads/Readers
- Standard LAN Access Module (SLAM) - Up to 4 Keypads/Readers
- Inception Controller - Up to 8 Keypads/Readers on-board

SIFER Keypads are IP67 rated and available with site-specific encryption keys.



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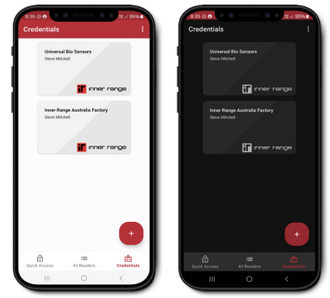
MOBILE ACCESS CREDENTIALS

The Inner Range Mobile access credentials are created, managed and delivered by the security controller onsite that is installed safely behind the network security infrastructure and cyber security policies of the organization.

Securely delivered through the IR Connect cloud service to the end users smart device, the Mobile Access credential is then accepted and saved into the IR Mobile Access Mobile App that is installed on the smart device.

When access to a door is required the smart device is unlocked, the IR Mobile Access App is opened and then the appropriate door is selected and unlocked. This process provides user authentication through the devices biometric credential ensuring the identity of the user.

Mobile Access credentials are available for Inception, Integriti and Infiniti.



Inception – 994635ICP
Integriti - 994635
Infiniti - 994635INF

SIFER READER

The SIFER card reader is a Smart Card reader designed and manufactured by Inner Range. It is a multi-drop RS-485 based reader that employs 128 bit AES encryption from the card through to the door module, providing a far superior level of security than that of traditional Wiegand based card readers. SIFER readers utilize the Mifare DESFire© EV1/EV2/EV3 card format.

As SIFER readers utilize a superset of the OSDP protocol, the readers may also be deployed on any system capable of using OSDP. SIFER readers are connected to the RS-485 reader port for full Reader-In and Reader- Out operation of various Inner Range products as below.

- Integriti Access Controller (IAC) - Up to 16 Readers on-board
- Intelligent LAN Access Module (ILAM) - Up to 16 Readers
- Standard LAN Access Module (SLAM) -Up to 4 Readers
- Inception Controller - Up to 8 Readers on-board

SIFER readers are IP67 rated and available with site-specific encryption keys.



994720



994720MF
(MULTI FORMAT)

MULTI-FORMAT VERSION

The SIFER Multi Format Card reader offers an identical set of features to the Standard SIFER Reader with additional support for reading the CSN of third party 13.56Mhz credentials.

SIFER READER SPACER

The SIFER reader spacer introduces a 10mm offset between the reader and the installation surface which allows a SIFER reader to be installed on a metallic surface without degrading the read range.

The two mounting holes align with those on the SIFER reader mounting plate and the large cable entry cut-out allows the spacer to be fitted over a reader that is already installed without needing to disconnect and re-terminate the cable.



999037

SIFER
KEYPAD

The SIFER Keypad is a combined IP67 rated Keypad and Smart Card reader that allows dual credential Card & PIN high security access control (PIN only or Card only is also supported).

The SIFER Keypad is a multi-drop RS-485 device that employs 128 bit AES encryption from the card/keypad through to the door module, providing a far superior level of security than that of traditional Wiegand based keypads & card readers.

SIFER Keypads utilize the Mifare DESFire© EV1/EV2/EV3 card format. As SIFER Keypads utilize a superset of the OSDP protocol, the keypads may also be deployed on any system capable of using OSDP.

SIFER Keypads are connected to the RS-485 reader port for full Reader-In and Reader-Out operation of various Inner Range products as below.

- Integriti Access Controller (IAC) - Up to 16 Keypads/Readers
- Intelligent LAN Access Module (ILAM) - Up to 16 Keypads/Readers
- Standard LAN Access Module (SLAM) - Up to 4 Keypads/Readers
- Inception Controller - Up to 8 Keypad/Readers

SIFER Keypads are IP67 rated and available with site-specific encryption keys.



994725



994725MF
(MULTI FORMAT)

MULTI-FORMAT VERSION

The SIFER Multi Format combined Keypad and smart card Reader offers an identical set of features to the Standard SIFER Keypad/Reader with additional support for reading the CSN of third party 13.56Mhz credentials.

SIFER
CARDS & FOBS

Inner Range credentials employ a high security communication protocol (AES 128-bit encryption) from credential (access card or fob) through to the access control system. This provides a far superior level of security than that of traditional access control credentials when compared to lower security protocols like Wiegand and 125kHz technologies, ensuring that only who is authorised to be onsite, is onsite.



994610



994616

MANAGEMENT
TOOLS

SIFER CARD PROGRAMMER

The SIFER Card Programming Station is an installer tool featuring a USB connected SIFER programming head, which is used in conjunction with the accompanying SIFER Card Programming Software. This system allows SIFER “User Programmable” cards, known as SIFER-U cards to be encoded with customized site codes and encryption keys by the installer.

The programming station is also used to create the SIFER Reader Configuration Card which is necessary to configure SIFER readers with the sites unique encryption key. SIFER-U cards are available as ISO style cards or FOBS and are readily available from Inner Range distributors. Before leaving the Inner Range factory each SIFER-U card is pre-programmed, with a standard encryption key, site code and unique card number. This allows SIFER-U cards to be used in the field as they are, or they can be encoded to the installer’s requirements using the SIFER Programming Station.



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SIFER ENROLMENT STATION

The SIFER Card Enrolment Station is designed to conveniently allow SIFER cards to be enrolled into an Inner Range Integriti system at a computer workstation using the Integriti software.

This allows system administrators to enroll new SIFER cards into the Integriti system without the need to physically enter the card data into the system.



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