

# Access Control Solutions

[sensoraccess.co.uk](http://sensoraccess.co.uk)



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# Introduction

We are one of the UK's leading suppliers of integrated access control systems and locking hardware. We offer an extensive range of readers such as smart cards, UHF and biometric readers as well as a variety of controllers and software packages. Sensor Access was established in 1999 and has experienced dramatic growth over the last decade.

We are based in the United Kingdom, however we are globally minded and aim to provide value, performance and excellent customer service worldwide. As an independent company, we are able to offer excellent pre-sales and after-sales service and have a wealth of experience within the industry.



Robert Owen  
Technical Director

Andy Slater  
Operations Director EMEA



*"Strong business ethics, loyalty and long-term partnerships are some of the key elements of how we make a difference in the market."*

Andy Slater, Operations Director EMEA

*"The way that we are constantly developing GuardPoint10 gives us the ability to offer the most advanced systems for the most stringent of project requirements."*

Robert Owen, Technical Director

# Route to market

The system user is "our No 1 priority"

The system user is our No 1 priority, we have designed our Route to Market with this firmly in mind. A company that would like to install our products will have to complete our training program before becoming an Accredited Partner. The degree of Accreditation (Bronze, Silver, Gold or Platinum) will be governed by the introduction of new projects and the level of training and expertise the installing company has achieved.

- We will only sell our products to companies that are approved by either the NSI or SSAIB inspectorates. This removes the companies that do not have the appropriate insurances and standards in quoting for a project and protects the system user.
- We sell our products directly and save you paying the additional distributor's costs.
- We do not publish our prices, so your margins are your business



# GuardPoint10

## Software Overview

What is GuardPoint10?

GuardPoint10 is our next generation access control platform which seamlessly unites access, alarm and video into one platform.

GuardPoint10 utilises state of the art technologies giving a powerful and elegant operator friendly solution.

GuardPoint10 is a complete redesign of GuardPointPro focused on offering a new vibrant and engaging user experience.

GuardPoint10 is a 'lifetime' licence - no subscription needed.



## GuardPoint10 Key Features

- **Open Protocol**  
Transparent, encourages interoperability, and can be freely implemented by anyone without permission.
- **Fast and modern API**  
Ensures simple, scalable, flexible, and interoperable software integration.
- **One platform ethos**  
This approach simplifies user experience, improves efficiency, and enhances interoperability between different components.
- **Highly scalable**  
System can seamlessly accommodate growth without compromising its efficiency or stability.
- **User friendly Graphical User Interface**  
Simple controls to facilitate a smooth and efficient user experience.
- **Lift integration**  
Administer lift adoption through either low-level or high-level integration with multiple manufacturers.
- **Extensive reporting**  
Generate reports on cardholders' movements and alarm events in your preferred structure and format. Customise your event viewer to display real-time reporting tailored to your specific requirements and preferences.
- **Badge design and printing**  
Produce personalised badges on demand, selecting from automatic or manually chosen templates.
- **Licence Plate Recognition**  
Identify cardholders using car number plates, offering an alternative and secure identification method.
- **Mobile Guard App**  
Provides real-time lookup and location monitoring of individuals within different sections of your building.
- **Multi-Site**  
A system that operates across multiple locations, allowing users from different places to manage access and collaborate effectively with customised options tailored to each site's needs.
- **Time and attendance**  
Hassle-free timesheet report generation in various formats for efficient workforce management.
- **Graphical maps with active icons**  
Visualise your buildings, doors, alarm detectors, and cameras in real-time on an interactive graphical map.
- **Roll Call**  
A quick and easy way to create a list of cardholders who are on the premises and a list of cardholders who are off the premises.
- **CCTV integration**  
Link live and record video footage with your access and alarm events.
- **Global reflex**  
Define automated operations, including conditions that trigger events. For instance, if a designated cardholder is granted access, then disarm the alarm zone.
- **Biometric Integration**  
State of the art fingerprint and facial authentication.
- **Alarm Management**  
Enhance operator awareness by presenting actionable data across multiple screens. Respond swiftly and effectively to potential security breaches.



# GuardPoint10 Security Centre

The security centre is designed to maximise the monitoring efficiency. Make immediate security decisions based on comprehensive real-time information, all accessible from a single screen.



- Map Navigation: Easily switch between various maps, zoom in to focus on specific icons or areas, and locate system components effortlessly.
- Activate doors/CCTV/monitor alarms from map icons.
- Real time information allowing for instant response.
- Animated Icons. Be updated on an item status via modifications of an icon visual.
- Live camera and cardholder photo pop up for visual verification.
- Execution of crisis levels allowing the system to perform different types of lock down on alarm activation.
- Email alerts upon events.

# GuardPoint10

## Introducing Advanced Wireless Locking Solutions:

GuardPoint10 seamlessly integrates with DOM's cutting-edge smart lock cylinder and handle set locks, offering unparalleled convenience and security. Tailored for doors where traditional wired access control systems prove inconvenient or infeasible, these smart lock cylinders revolutionise door access.

Gone are the days of fumbling for keys. With DOM's smart locks, users effortlessly unlock doors using cards, fobs, or smartphones, eliminating the hassle of traditional keys and enhancing user experience.

These innovative locks bypass the need for door access panels by storing user permissions directly within the locks themselves. Real-time event data is seamlessly transmitted wirelessly back to the GuardPoint10 software, ensuring comprehensive monitoring and control.



### Part Numbers

#### GP10-DOM

DOM module

#### DOM-BRIDGE

DOM Connect Bridge - up to 255 devices (hubs/locks)

#### DOM-HUB

DOM Wireless Hub up to 16 devices in 30m radius

#### DOM-CYL-EH35/10

DOM ENiQ Cylinder Half 35/10 Stainless Steel Readable 1 Side

#### DOM-CYL-ES30/30

DOM ENiQ BLE PRO DBL 30/30 Stainless Steel Readable 1 Side

#### DOM-CYL-ES35/35

DOM 333ENIQBLERIS35/35 stainless steel readable one side.

#### DOM-HDL

DOM ENiQ Mifare - Handle Readers - Online Ready -44-55mm - 8mm - without round with return - Brushed Stainless Steel





# GuardPoint10

CCTV/IDIS/TVT/Qognify/Avigilon/Dahua/Milestone



Revolutionise your security infrastructure with GuardPoint10's cutting-edge integration of alarm, video, and access systems into a seamless video platform. Experience unparalleled control and efficiency as you manage security operations directly from our intuitive video interface.

Immerse yourself in live video streams, effortlessly navigate playback of recorded footage, and capture crucial snapshots with ease. With our advanced facial authentication technology, identify access initiators by comparing their images to the video feed, ensuring unmatched security measures.

Stay ahead of potential threats with lightning-fast responses to alarms.

Adjust alarm zones, confirm alerts, and override door states—all at your fingertips, directly from the video interface. Our platform empowers you to take immediate action, always ensuring the safety of your premises.

Take command of every detail with precise camera control. Direct the lens to user-defined locations, zoom in, and focus on critical areas for comprehensive surveillance.

Whether it's managing live streams or playback, our platform puts you in control, ensuring nothing escapes your watchful eye.

Simplify your security management with our intuitive interface. Easily locate NVR/DVR systems and elements through our logical tree view, streamlining your operations for maximum efficiency.

Access real-time logs and customise them effortlessly with our drag-and-drop sorting feature, providing you with actionable insights in real-time.

Join the ranks of satisfied clients who have experienced the GuardPoint10 advantage. With seamless integration with top video systems including Cayuga, Dahua, Hikvision, Milestone, OnSSI, and TVT, our platform offers unmatched versatility and compatibility, ensuring your security needs are met, no matter the scale.

Experience the future of security with GuardPoint10 today.



## Part Numbers

GP10-V8+

GuardPoint10 CCTV Integration Module for DVR Integration

# GuardPoint10

Lift Control

## Overview:

For streamlined monitoring of employee movements within multi-storey buildings, our lift control module offers precise control over user access within the lifts. With two types of integration—low and high level—we cater to varying needs.

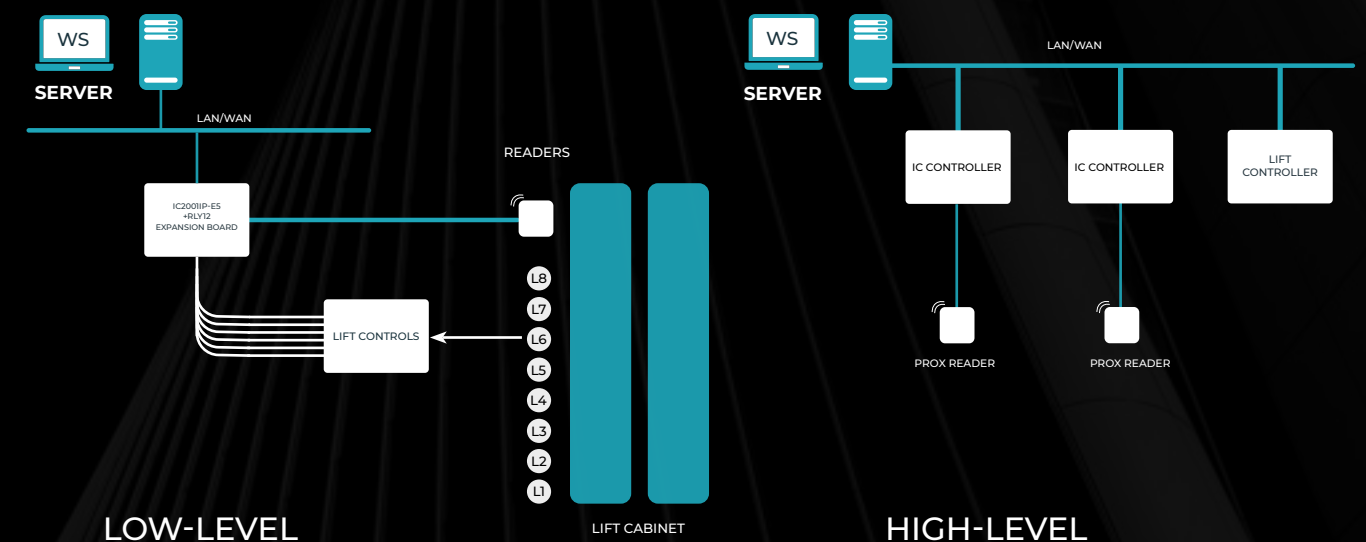
Low-Level Integration: Achieving low-level integration is straightforward: by wiring an output into the lift controller's input, each floor selection button within the lift connects to its dedicated relay on the door controller.

When a user presents their card to the reader, the controller autonomously decides which floors they can access. This setup empowers you to manage up to 64 floors per controller efficiently.

High-Level Integration: High-level integration operates via software commands sent to the lift controller, containing floor permissions and additional parameters.

This advanced approach allows optimisation of multi-car lift systems, which can intelligently allocate cars based on passengers' input floors, thereby minimising wait and travel times.

Through this integration, you gain the ability to enforce access restrictions for cardholders, utilising time schedules and floor/destination permissions, bolstering both security and movement efficiency throughout the building.



## Part Numbers

GP10-LM

GuardPoint Lift Control Module for control of lift cabs



# GuardPoint10



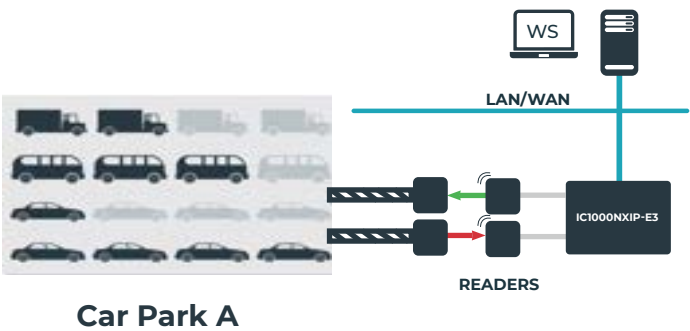
## Parking Management

Introducing GuardPoint10's innovative Parking Control Module—an intelligent solution designed to simplify and optimise parking management across multiple areas and organisations. With this module, effortlessly oversee parking zones, allocating spaces to various cardholder groups for seamless capacity control.



## Key Benefits:

- **Tailored Parking Allocation:**  
Define parking zones and assign specific spaces to different cardholder groups, ensuring essential staff and visitors always have access to parking.
- **Centralised Management:**  
Efficiently manage multiple parking facilities from a single interface, streamlining administrative tasks and enhancing operational efficiency.
- **Flexibility for Cardholders:**  
Allow cardholders to register multiple car license plates, accommodating users with more than one vehicle effortlessly within the system.
- **Enhanced Visibility:**  
Monitor and track unknown license plates through the Event Log screen, providing comprehensive oversight of parking activity.



Experience the ultimate convenience in parking management with GuardPoint10's Parking Control Module—ideal for seamless integration with our long-range reading solutions and ANPR cameras, enabling smooth barrier operation as vehicles approach without the need to stop and present a card.



### Part Numbers

**GP10-PM**  
Parking management module for Guardpoint10 (includes Area module) .

# GuardPoint10

## Time and Attendance

GuardPoint10 boasts a robust Time and Attendance module, capable of accurately calculating total hours worked between defined entrance and exit readers. Easily exportable into various formats such as Excel and CSV, the timesheet feature ensures seamless data management.

For advanced Time and Attendance capabilities, GuardPoint10 offers full integration with timeware®, a comprehensive workforce management software. Streamline your attendance tracking and management processes effortlessly with uardPoint10's integrated solutions.

timeware® /GuardPoint approved integration

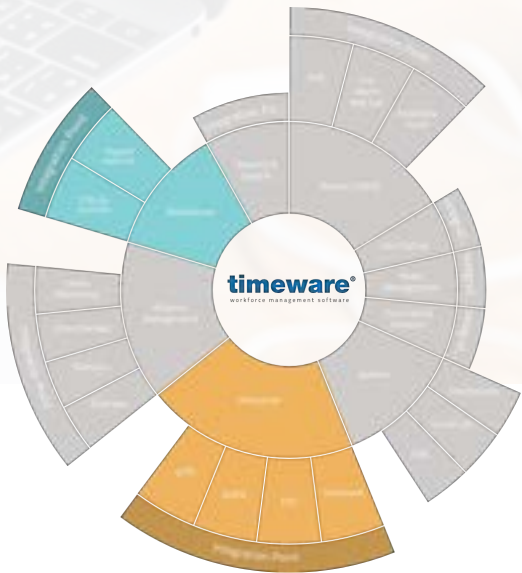
## Overview:

Timeware® have created an API integration between GuardPoint and timeware® Small Business and timeware® Professional.

This means that GuardPoint 10 customers requiring a feature rich employee attendance solution can benefit from a software only integration that requires no additional attendance devices.

This integration eliminates 'duplicate entry' enabling personnel/users and their associated credentials created in one system to be passed directly to the other.

Eg: An administrator can specify which GuardPoint 10 devices are classed as attendance points and bookings made at these points can be read by timeware® from the GuardPoint 10 database and processed by timeware® as attendance bookings.



### Part Numbers

- GP10-ENTRY**  
included in GuardPoint10 base package
- GP10-TWCUSTOM**  
timeware® integration - unlimited employees and devices - subject to qualification
- GP10-TW250**  
timeware® integration - up to 250 employees and 3 attendance devices
- GP10-TW100**  
timeware® integration - up to 100 employees and 2 attendance devices



# GuardPoint10



Multi site

## Overview:

Multi-Site Module, engineered to meet the complex access control demands of multi-branch organisations. This advanced solution grants precise control over individual branches ('Sites') while seamlessly facilitating centralised management.

Consider this scenario: Your organisation spans multiple branches, each with unique access control requirements. With our Multis-Site Module, local branches gain autonomous control over their respective sites, while headquarters retains overarching management capabilities. This modular approach enhances operational efficiency and flexibility.

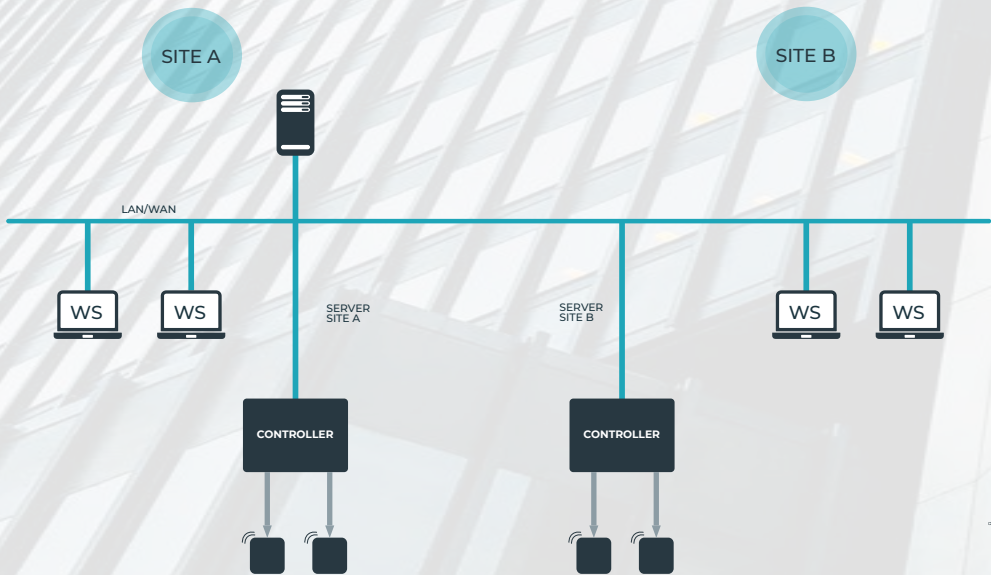
The Multi-Site Module categorises database records, including controllers, readers, and cardholders, according to their respective site ownerships. These objects are further classified as local, shared, or global.

Local objects are confined to their specific site, while shared objects are visible across multiple sites.

Global objects, on the other hand, can be viewed and modified across all sites.

This robust architecture supports diverse deployment scenarios, catering to organisations with varied structural requirements.

Experience the seamless integration and operational agility of our Multi-Site Module — empowering organisations to navigate complex access control landscapes with ease



### Part Numbers

**GP10-MS**  
GuardPoint10 Multi Site Module for sites with multiple locations

# GuardPoint10

Active Directory

Active Directory functions as the central hub for managing user accounts within a Microsoft Windows domain network. GuardPoint10 seamlessly integrates with Active Directory, allowing Windows user accounts to be linked to cardholder accounts.

Any modifications made within Active Directory are automatically synchronised with designated fields within GuardPoint10. For example, when an employee leaves the organisation, their access privileges can swiftly be revoked in GuardPoint10, significantly enhancing security and ensuring regulatory compliance.

Furthermore, Windows logins can serve as authentication credentials within the GuardPoint10 application, offering an additional layer of security and centralised control over application access.

In essence, the integration of these two systems facilitates centralised and streamlined management of employee security across both physical access and computer permissions, bolstering overall organisational security posture.



### Part Numbers

**GP10-AD**  
GuardPoint10 Active Directory Module





# GuardPoint10



## Visitor Management System

The Sensor VMS is a comprehensive solution comprising two essential components:

**Admin Interface:** A user-friendly platform empowering administrators to effortlessly issue Bluetooth Virtual card credentials, QR codes and MobileKey directly to employees' and visitors' smartphones. This intuitive interface streamlines access management, ensuring seamless control over permissions.

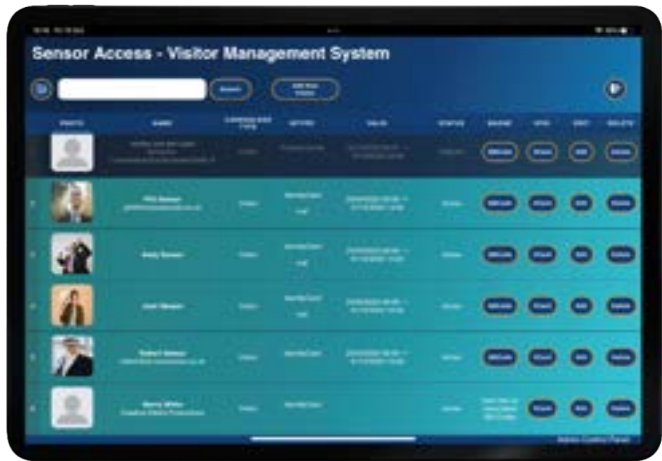
**Sign-In Screen:** A customisable portal designed for visitors, facilitating a smooth check-in process that reflects your building's policies and branding. Visitors can input their details, including name, purpose of visit, and contact information, and electronically sign to confirm agreement with the building/workplace policy. Upon submission, an automatic email notification is triggered to alert relevant personnel of their arrival.

The Sensor VMS redefines access control by providing Bluetooth Virtual card credentials directly to authorised individuals' smartphones or Bluetooth-enabled devices, eliminating the need for traditional keys or access cards.

Additionally, the system offers the flexibility to generate and distribute QR codes and MobileKey, serving as convenient digital access passes.

These QR codes can be easily presented via smartphones or printed passes, offering hassle-free access while allowing for effortless distribution and revocation as required.

Enhancing the visitor experience is the user-friendly sign-in portal, accessible on-site via a tablet or computer stationed at the entrance. Furthermore, this portal can be seamlessly customised to align with your organisation's visual identity, ensuring a professional and cohesive experience for visitors.



### Part Numbers

**SensorVMS-SSL-Setup**

Remote setup and configuration of Sensor VMS

**SensorVMS-SSL-2yr**

2 Year certificate for one device to connect securely to GuardPoint10

**SensorVMS-SSL-Customisation**

Branding of admin screen and visitor sign-in process. Price on enquiry

# GuardPoint10

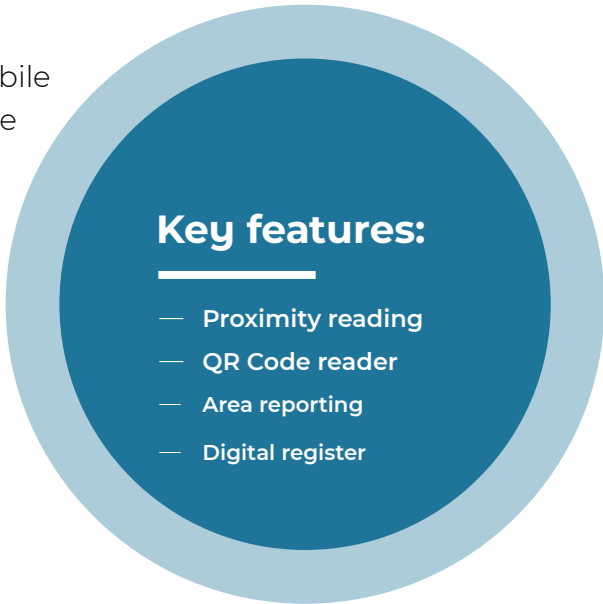
## Mobile Guard

Ever thought of turning your Android phone into a mobile access control reader? A mobile reader can give you the flexibility to do:

- Mobile spot checking for guard patrols
- Activate a relay
- Manned access point
- Temporary gates
- Mobile fire mustering

The New Sensor Access Mobile Guard Application allows your phone to use its NFC reader to read the users card and check their details including photo and access level as well as update the cardholder's location for location reporting. The mobile guard application can be downloaded from the Google Play Store. Mobile Guard Application will support 13.56Mhz cards via phones internal reader. External readers can be connected for other card technologies such as 125Khz. QR codes can also be read via the phone's camera.

The Mobile Guard Application allows caching of cardholders to function when no internet connection is available. The application will give you a live status check of the cardholders and allow card lookup/spot checks to be written into the GuardPoint10 transaction log.



### Part Numbers

**MG-APP**

GuardPoint10 Mobile Guard module

**MG-SSL-2YR**

Mobile Guard 2 Year certificate for one device to connect securely to GuardPoint 10

**MG-SSL-SETUP**

Mobile Guard remote setup and configuration for GP10 and Stunnel to allow HTTPS (mTLS) connection



# SmartSpaces

SmartSpaces integrated with GuardPoint10 in 2019 using our fast and modern API and we have worked together on several buildings around the UK. Smart Spaces provides a Smart Building Operating System (OS) designed to optimise the management and functionality of modern buildings.

Their platform integrates advanced technologies to create intelligent, connected spaces that enhance efficiency, comfort, and sustainability. With Smart Building OS, facility managers gain comprehensive control and insights into building operations, including energy management, space utilisation, environmental monitoring, and occupant experience.

# Equiem

Equiem integrated with GuardPoint10 in 2022 using our API. Through EquiemConnect, users gain access to a comprehensive suite of features designed to enhance the workplace experience. This includes personalised communication channels, community-building tools, and convenient access to amenities and services.

The platform empowers landlords to deliver tailored content and services to tenants, fostering a sense of community and facilitating collaboration. Tenants, in turn, benefit from a centralised platform where they can access relevant information, connect with peers, and conveniently engage with property management and service providers.

The platform utilises data analytics and machine learning algorithms to optimise building performance, reduce operational costs, and improve overall occupant satisfaction.

Key features of Smart Spaces' Smart Building OS include real-time monitoring, predictive maintenance, customizable dashboards, and seamless integration with existing building systems and IoT devices. By leveraging their innovative solution, building owners and managers can create smarter, more efficient, and sustainable environments for occupants while maximising operational efficiency and ROI.



EquiemConnect's intuitive interface and robust functionality make it an invaluable tool for enhancing tenant satisfaction, driving engagement, and optimising the overall commercial real estate experience.

# EQUIEM



# SureView Systems

SureView offers superb features to leverage camera and alarm feeds from cameras across the globe. SureView Systems is a leading provider of innovative security management solutions, empowering organisations to streamline and enhance their security operations.

Their flagship product, SureView Operations, is a powerful Physical Security Information Management (PSIM) platform delivered as a Software-as-a-Service (SaaS). SureView Operations serves as a centralised hub for coordinating alarms and events from various security systems, enabling Security Operations Centres (SOCs) to efficiently manage and respond to incidents.

The platform offers a unified interface with features such as geospatial mapping, action plans, and prioritised alarm grouping, facilitating rapid and effective decision making. Additionally, SureView Systems offers Field Operations tools that seamlessly connect SOC teams with field personnel, providing real time location and status updates.

This enables collaboration and enhances situational awareness during security events. With a focus on security, privacy, and multiapplication support, SureView's solutions are trusted by organisations worldwide to safeguard assets, mitigate risks, and optimise security operations.





# GuardPoint10



*API*

Our API is modern and fast allowing for integration of 3rd party products to proceed smoothly. In response to the global demand for security solutions, Sensor Access offers a unique interface that fosters partnerships with third-party solutions and industry-leading developers. GuardPoint 10 facilitates seamless communication with external applications through well-known protocols like RESTful or SignalR, based on OData.

This integration leverages the extensive command, control, and graphical capabilities of our software, enhancing them with the power and flexibility of our controllers.

External applications can receive real-time event information from GuardPoint 10 and take action on the access control system, such as creating/deleting cardholders, managing doors, relays, and alarm status, as well as performing actions like logging in/off and downloading configurations to controllers.

Examples of third-party integrations include Building Management Systems (BMS) and human resources software, showcasing the versatility and adaptability of GuardPoint 10 in various domains.



**Part Numbers**

**GP10-API**  
GuardPoint10 API module

# Door Controllers

*General Controller Overview*

**Seamless Flexibility:** Our controllers are engineered to be adaptable and scalable, effortlessly conforming to the unique requirements of your project. Each controller can manage 1, 2, or 4 doors, with capacities ranging from 2,000 to over 250,000 cardholders.

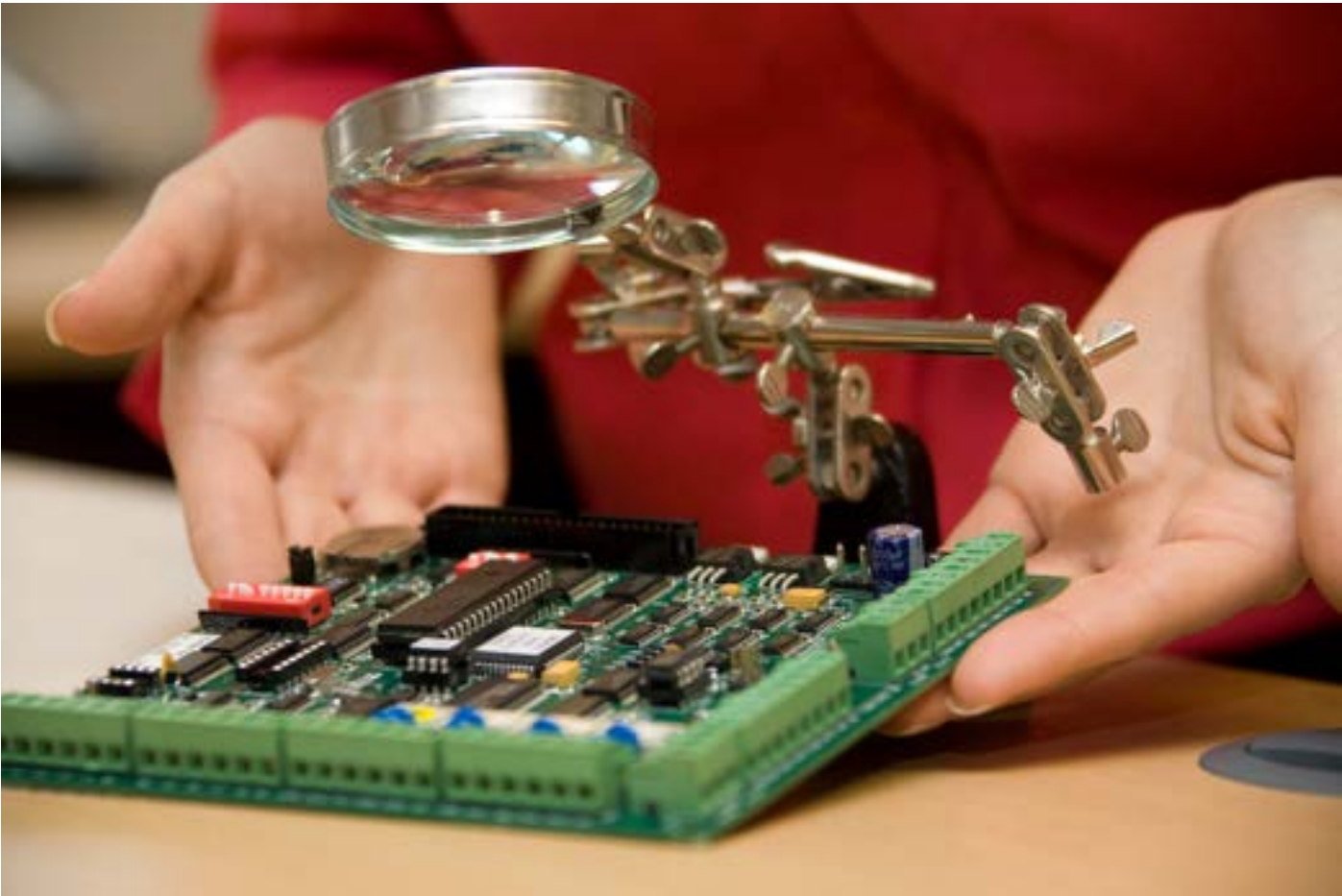
**Effortless Connectivity:** With support for PoE, TCP/IP, and standard RS485, connection is simple and adaptable to your network preferences.

**All-in-One Solution:** Our controllers come complete with power supplies and enclosures, offering a hassle-free, comprehensive solution for your security needs.

**Built-in Redundancy:** Utilising distributed intelligence architecture, each controller can operate independently in case of communication failure, ensuring continuous operation.

**Enhanced Troubleshooting:** On-board LEDs provide status indicators for inputs/ outputs, communication processes, and more, simplifying troubleshooting efforts.

**Effortless Expansion:** Additionally, external boards for inputs and outputs enhance system capability, providing scalability.





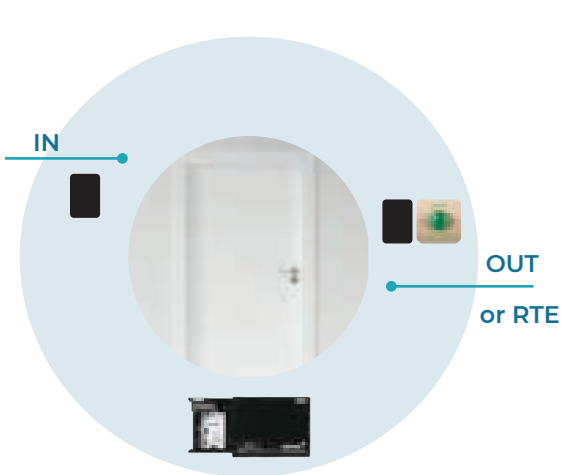
# Intelligent Door Controllers



Entry Level  
IC500NX / IC1000NX

## Overview:

The IC500NX and IC1000NX controllers offer entry level access control for small and medium installations. The cost-effective security solution for doors benefits from the powerful features of the GuardPoint10 software.



IC500NX (Above)  
2 Reader Controller for 1 Door  
IC1000NX (Below)  
2 Reader Controller for 2 Doors

	<b>Cardholders</b> IC500NX: Up to 8,700 IC1000NX: Up to 8,700		<b>Events</b> IC500NX: Up to 10,000* IC1000NX: Up to 8,700*
	<b>Doors</b> IC500NX: 1x Door IC1000NX: 2x Door		<b>Readers</b> IC500NX: 2x Readers IC1000NX: 2x Readers
	<b>Inputs</b> IC500NX: 4x Inputs IC1000NX: 4x Inputs		<b>On Board TCP IP</b> IC500NX: Optional IC1000NX: Optional
	<b>Outputs</b> IC500NX: 3x Outputs IC1000NX: 3x Outputs		<b>Comms Bus</b> IC500NX: 1 IC1000NX: 1

\* Expandable dependant on cardholders

### Key features:

- 1 door 2 reader / 2 door 2 reader networkable controller
- 2,000 cardholders standard—upgradable to 44,000
- Optional built in TCP/IP interface with possible AES 128/256 encryption
- Compatible with all IC controllers
- 4 inputs, 3 outputs on board
- Compatible with Sensor DF or 3rd party readers
- FLASH upgradable memory
- LED diagnostics

# Intelligent Door Controllers

IC500NX / IC1000NX

## Product Highlights

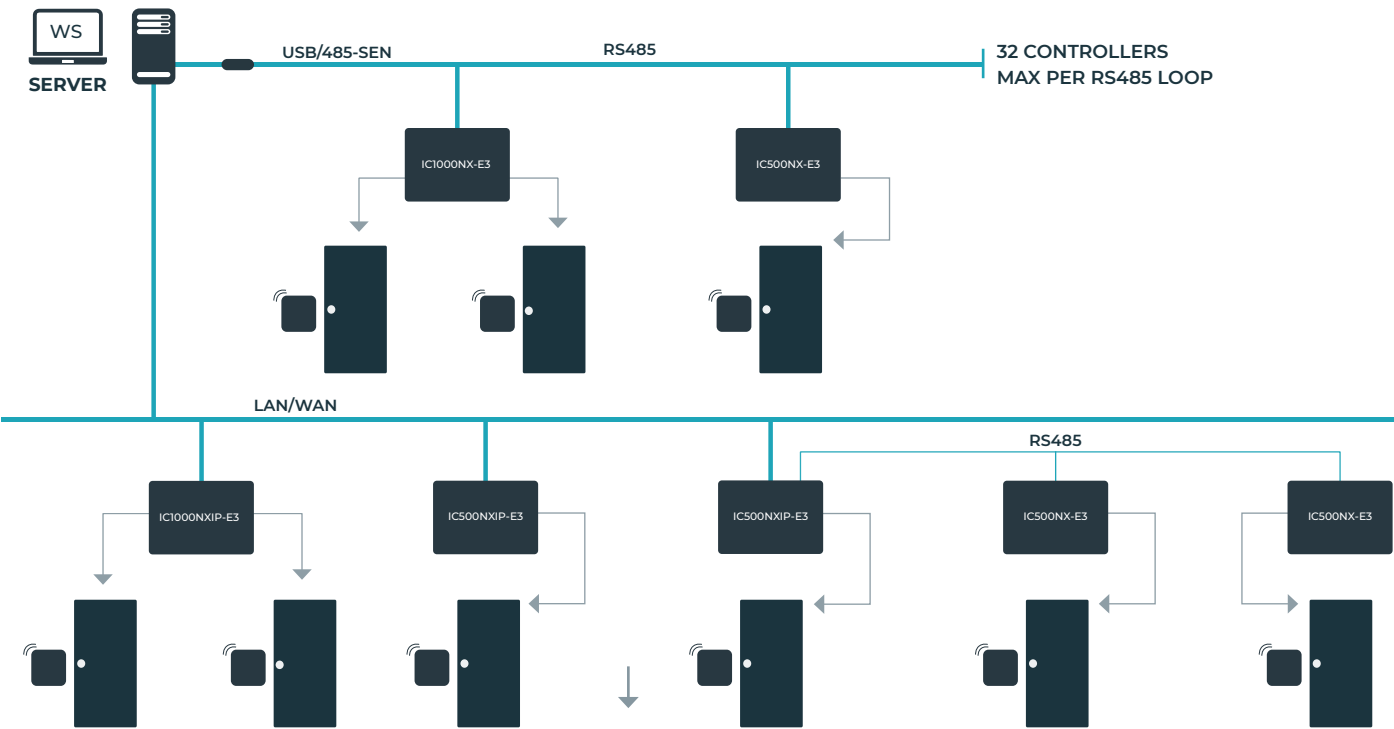
**Seamless Communication:** Facilitated through the RS485 communication bus or the integrated TCP/IP interface (exclusive to IC500NX-IP and IC1000NX-IP models).

**Comprehensive Capabilities:** The system boasts advanced functionalities such as daily and weekly programming, holiday settings, security levels, escorting, and anti-passback measures.

**Alarm Management:** Effectively supervise local and global responses, track unsuccessful attempts, monitor door alarms, manage duress alarms, and oversee cable status.

**Quick and Easy Installation:** The system ensures a swift installation process, with on-board wiring diagrams for simplified programming. Flash memory enables effortless firmware upgrades, and removable connectors streamline installation, complemented by diagnostic LEDs.

**Autonomous Operation:** Controllers can autonomously make decisions without requiring computer intervention. In case of communication loss, the controller continues to function seamlessly.



### Part Numbers

- IC500NX-E3**  
2 Reader Controller for 1 door inc PSU
- IC500NXIP-E3**  
2 Reader Controller for 1 door with IP inc PSU
- IC1000NX-E3**  
2 Reader Controller for 2 doors inc PSU
- IC1000NXIP-E3**  
2 Reader Controller for 2 doors with IP inc PSU



### Typical Applications

- Small to Medium Access Control Solutions
- Education Facilities
- Commercial Solutions



# Intelligent Door Controllers



IC2001 / IC4001

## Overview:

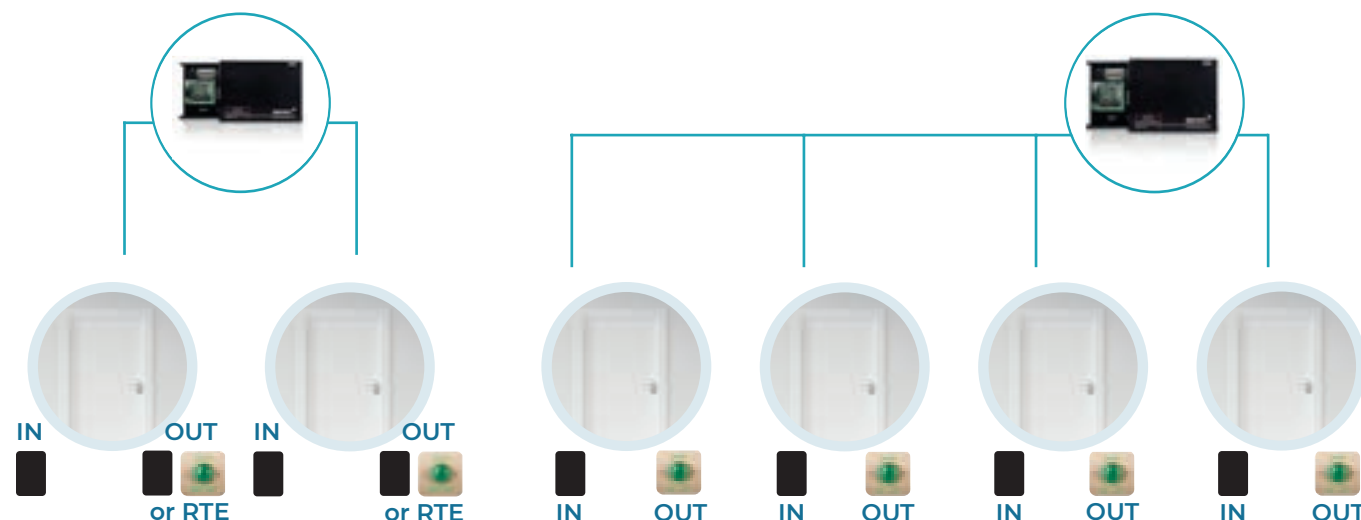
The IC2001 and IC4001 controllers suit all medium to high security environments. They offer integrated on-line access control and alarm monitoring. The controllers are scalable from simple single site applications right through to complex multi-site installations.

### Key features:

- 2 door 4 reader / 4 door 4 reader networkable controller
- 20,000 cardholders standard (upgradable to 483,000)
- Optional built in TCP/IP
- Redundant communication bus (optional)
- Plug in expansions available for Inputs and outputs
- Compatible with Sensor DF or Third Party readers
- 8 inputs, 4 relay outputs—All supervised
- FLASH upgradable memory
- Full LED diagnostics
- High speed CPU
- OSDP compatible



\* Expandable to 16  
 \*\* Expandable to 64  
 \*\*\* Expandable dependant on cardholders



# Intelligent Door Controllers

IC2001 / IC4001

## Product Highlights

**Secure** IC2001 and IC4001 both support OSDP which allows 2-way communication between the controller and the reader; Weigand is 1-way.

**High capacities** are reached via the high-speed on-board RAM which allows maximum capacities of 483,000 cardholders and 155,000 events in memory.

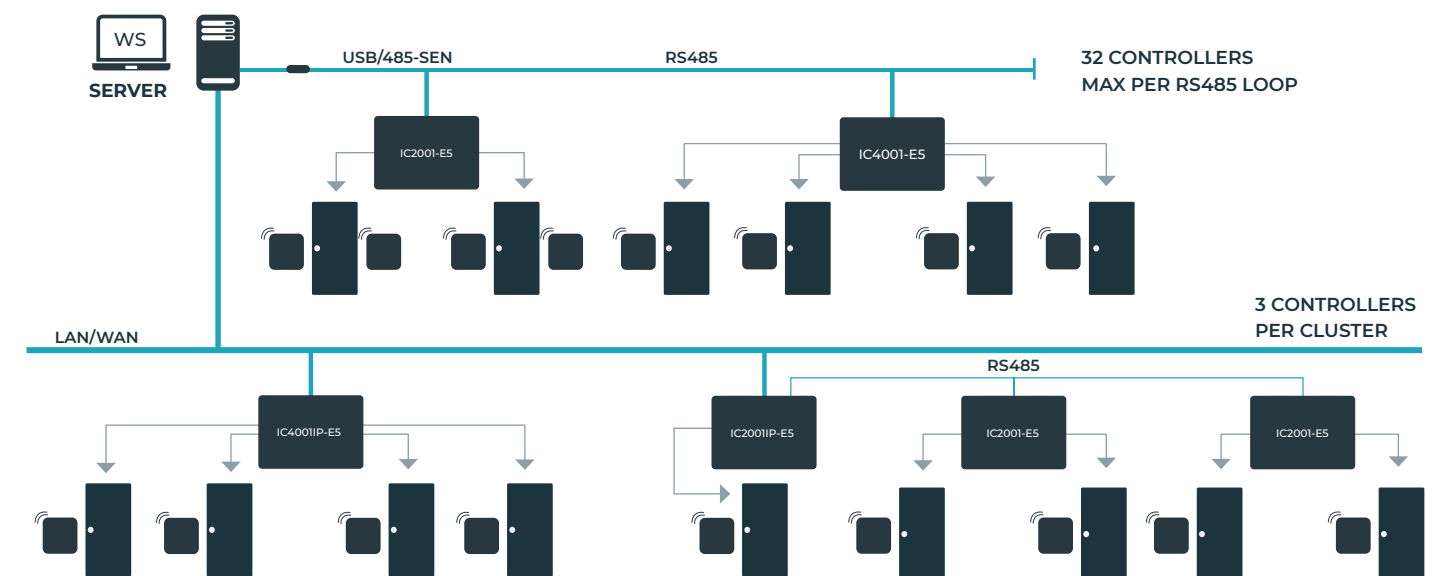
**Simple installation** is achieved with PCBs supplied in specially designed boxes with industry specific power supplies and wiring diagrams.

**High security** applications are covered on both the IC2001 and 4001 with an optional secondary communication bus.

A second bus provides maximum protection against communication loss for sites that require high level security and the knowledge that communication is always backed up.

**Expandable inputs and outputs** mean the controller can be flexible to meet a variety of applications to include lift control with up to 64 outputs and 16 inputs (See p.22 for extension boards).

**Simple communication** via either on board RS485 or built in TCP/IP interface.



### Part Numbers

- IC2001-E5**  
4 Reader Controller for 2 doors inc PSU
- IC2001IP-E5**  
4 Reader Controller for 2 doors with IP inc PSU
- IC4001-E5**  
4 Reader Controller for 4 doors inc PSU
- IC4001IP-E5**  
4 Reader Controller for 4 doors with IP inc PSU



### Typical Applications

- Education facilities
- Healthcare and hospital applications
- Commercial and blue chip sites
- Residential
- Leisure



# Intelligent Door Controllers



Expansion Boards

## Overview:

Cost effective solution for expanding inputs and outputs or TCP/IP on IC2001, IC4001 and 1604 controllers.

### Key features:

- Versatile expanding options for lift control, locker applications and CCTV matrix etc.
- Plugs straight onto the controller no wiring required
- Extension boards all have status LEDs on board
- Cost effective option for adding inputs and outputs without adding additional controllers
- Convert controllers to TCP/IP easily and quickly
- 2 amp rating on all relay outputs
- Full 4 state input monitoring



#### Part Numbers

##### EXT-IRLED

Plug in additional I/O board

##### SAT-16

Relay board for additional relays

##### RELAY-12

12 relay extension board

##### EXT-TCP/IP

Plug in TCP/IP board

##### EXT-TCP/IP-IR

Plug in TCP/IP board with additional I/O

#### EXT-IRLED

Plug in extension board with 8 supervised inputs, 4 relays and 4 LED controls for card readers.



#### SAT 16

Satellite relay module with 16 additional relays, 2nd bus required.



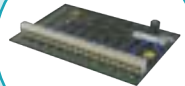
#### RELAY-12

12 relay plug in extension board.



#### EXT-TCP/IP

Plug in extension board offering TCP/IP interface and RS485 bus to other IC Controllers.



#### EXT-TCP/IP-IR

Plug in extension board offering TCP/IP interface, RS485 bus, 8 supervised inputs, 4 relays and 4 LED controls for card readers. Plug in extension board with 8 supervised inputs, 4 relays and 4 LED controls for card readers.



#### Typical Applications

- Converting controller to TCP/IP
- Lift controller applications (up to 64 floors per controller)
- Additional monitoring of doors and perimeter systems

# Intelligent Indoor Controllers

IC550 PoE/IC1604

“From a simple solution right through to a high security complex multi-site application.”

### Key features:

- 1 door 2 reader networkable controller
- PoE
- 44,000 cardholders standard—upgradable to 160,000
- Store up to 47,000 events—expandable to 201,000
- Compatible with all IC controllers
- 4 inputs, 2 outputs on board
- Compatible with Sensor Prox DF or Third Party readers
- FLASH upgradable memory
- Supply 700m A at 12 volts (2x readers and 1 lock)

### Key features:

- Cost effective option for alarm monitoring where there are no doors to control
- Fully intelligent with on board memory
- Second communication bus option
- Up to 24 inputs can be monitored per controller



#### Part Numbers

##### IC550 PoE

2 reader controller for 1 door

##### IC1604 E1

Input and output controller in PSU

## IC550Poe Overview:

The **IC550 PoE** controller is the first of its kind taking its required power directly from the TCP/IP cable with its embedded 12W PoE power supply. This 1 door controller is designed to meet a range of applications from a simple solution, right through to a high security complex multi-site application.



## IC 1604 Overview

The IC1604 offers an optimal solution for real time monitoring of alarm points (e.g. PIRs, gas detectors, fire doors) and provides additional outputs for triggering other devices such as lighting and sounders.



#### Typical Applications

- Applications where PoE is favoured.
- Buildings where a TCP/IP network is already in place.
- Government.
- Defence Applications.
- Commercial and Blue Chip.

# Reading Technologies

DESFire Smart Card Readers

## Overview:

The SensorProx DESFire range of readers are stylish yet practical and easy to install. All readers are e-poxy filled and weather-proof and therefore suitable for internal or external applications. The DESFire format is based on smart read/write technology with sector encryption to offer the user a flexible, secure solution that can be used for multiple applications such as cashless vending, biometrics and PC log-on.

With the various options in formats and designs, it makes the SensorProx DESFire range the preferred choice for many users. Sensor Access offers the customers fast delivery for the DESFire format cards and tags with a guarantee for no duplication.

We can also provide a customised DESFire key which is site specific to really bolster your security. The key can be cycled to update with a new key periodically.



**DF-MINI**  
Mini smart card DESFire reader



**DF-SG**  
Single gang smart card DESFire reader




**DF-KPV**  
Keypad and smart card DESFire reader




**DF-DSK RD**  
Desktop enrolment DESFire reader

### Key features:

- Secure encrypted format cards and readers
- Mifare compatible — making cards suitable for other applications
- Metal back plate for easy installation
- Non drop bottom screw
- Backlit reader and keypad
- Touch sensitive keypad with LED feedback
- Fully potted IP65 rated suitable for internal and external applications
- Red, green and blue LED feedback



**Part Numbers**  
**DF-MINI**  
Sensor Prox DESFire mini smart card reader  
**DF-SG**  
Sensor Prox DESFire single gang smart card reader  
**DF-KPV**  
Sensor Prox DESFire single gang prox and pin reader  
**DF-DSK-RD**  
Sensor Prox DESFire format desktop reader



**Technical Tips**  
The DF readers have a configurable output allowing them to read the Full CSN of Mifare Classic, Plus and Desfire cards.  
These readers can also be purchased to read the SensorProx and HID prox format cards.

# Cards

Moving to DESFire cards in access control enhances security due to their advanced features. Traditional card technologies are vulnerable to cloning, especially with the proliferation of inexpensive copying devices and smartphones. Upgrading to DESFire technology is crucial to safeguarding against potential security breaches.

DESFire EV1/EV3 IC provides top-tier security with EAL5+ certification, equivalent to banking cards or e-passports. Additionally, it offers improved operating distances compared to previous iterations and seamless integration with various media, including smart ticketing and mobile NFC-based technologies.

Sensor Access offers multi-technology readers to facilitate a smooth transition to DESFire EV1/ EV3 from older technologies. These readers support existing card technologies alongside DESFire, allowing for phased migration of user populations.

Moreover, we provide various card technologies to accommodate third-party readers, with options for custom logo printing at affordable rates. Additionally, we offer environmentally friendly alternatives such as wooden cards sourced from sustainable materials, reducing environmental impact while maintaining branding integrity.





# Cards

## Alternative access methods

Alternative access methods like wristbands are ideal for school trips when used with our Mobile Guard system. Each student receives a wristband that can be registered using an Android mobile device equipped with NFC technology. Students can tap their wristbands on the device to register their presence, allowing for easy tracking during the trip.

For instance, the Mobile Guard system can be configured with fields such as «on site» and «off site». When students board the transport, they are marked as «on site», and when they disembark, they tap their wristbands to update their status. All events are recorded in real-time by our GuardPoint10 software for comprehensive reporting back at the school.



# MobileKey



MobileKey lets you use your Android device to unlock doors with Sensor Access compatible readers. It works with NFC technology, operating offline without needing an internet connection. To activate MobileKey, you'll need a pairing code from your Sensor Access Installer.

Once activated, your phone becomes your access credential, using a unique AES-128bit key for security. No need to buy cards or Bluetooth credits – it's all on your Android device! The app is free on Google Play, and support for Apple devices is coming soon.



### Part Numbers

**MK-NFC**  
Mobile Key app

# Biometrics

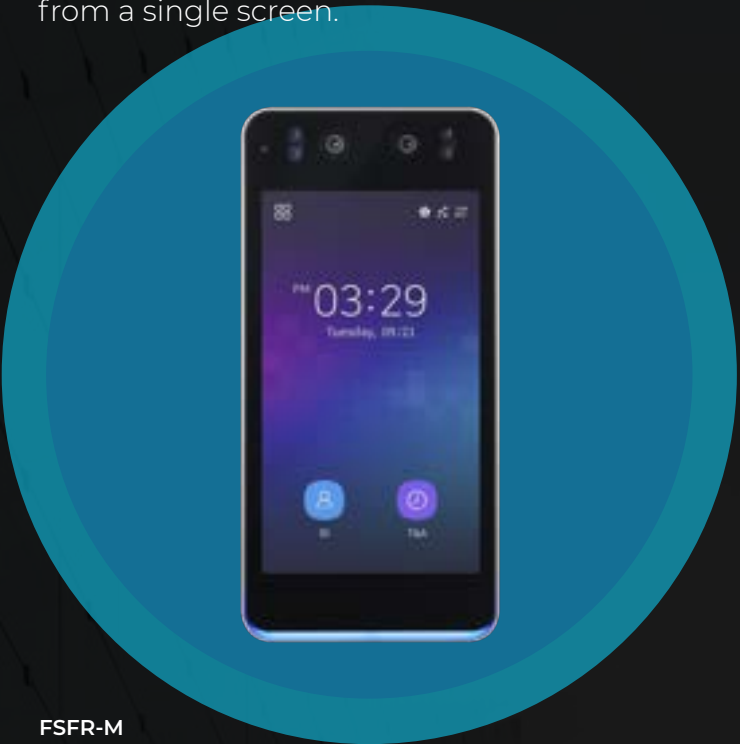
Biometric authentication is a cutting-edge technology that encompasses fingerprint and facial authentication. Suprema fingerprint readers boast an impressive false acceptance rate of 1 in 10 million, capable of matching up to 150,000 individuals per second.

These readers utilise advanced technology to detect fake fingerprints created from materials like paper, film, rubber, clay, silicone, and adhesives.

By comparing irregular fingerprint patterns and images obtained via infrared and white light, Suprema products ensure robust security.

Additionally, Suprema fingerprint authentication technology has received international certifications (NIST MINEX, FBI, IQS, STQC, FVC), making it ideal for

governmental and official authentication purposes. Facial authentication is rapidly gaining popularity due to its contactless nature and swift operation. With advancements in Artificial Intelligence, facial authentication systems are becoming increasingly accurate, adaptable, and reliable, ensuring seamless authentication experiences. The Suprema integration with GuardPoint10 means seamless enrolment and operation from a single screen.



suprema



### Part Numbers

**S-BIO-MC-W2**  
SensorBio Fingerprint, Multiclass and Proximity card reader. Compatible with SP readers/cards. Has PoE and IP67/IK08 rating.

**S-BIO-MF-W2**  
SensorBio Fingerprint and Proximity card reader. Compatible with SP readers/cards. Has PoE and IP67/IK08 rating.

**BE-W3**  
Compact facial Recognition reader, Dual RFID(125kHz EM & 13.56Mhz MIFARE, DESFire/EV1, FeliCa).

**FSFR-F**  
Facial and Fingerprint Recognition reader with 7" LCD, supports Dual RFID(125kHz EM & 13.56Mhz MIFARE, MIFARE Plus, DESFire EV1/EV2, FeliCa).

**FSFR-M**  
Facial Recognition reader with 7" LCD, supports MultiCLASS SE and Dual RFID (125kHz EM & 13.56Mhz MIFARE, MIFARE Plus, DESFire/EV1/EV2, FeliCa, iCLASS SE/SR/Seos).

**FLFR-S**  
Compact facial Recognition reader, Dual RFID(125kHz EM & 13.56Mhz MIFARE, DESFire/EV1, FeliCa).

**BSFR-M**  
Facial Recognition reader with 5.5" LCD, supports 125kHz EM, HID Prox & 13.56Mhz MIFARE, MIFARE Plus, DESFire EV1/EV21, FeliCa, iCLASS SE/SR/Seos.

**BSFR-S**  
Facial Recognition reader with 5.5" LCD, supports 125kHz EM & 13.56Mhz MIFARE, MIFARE Plus, DESFire EV1/EV21, FeliCa.



# Long Range Readers/UHF



## Smooth and Secure Vehicle Access Control

STid UHF readers are perfect for fast-track security for your vehicles access, making it both secure and extremely smooth.

Developed on the EPC1 Gen2 standard, the international standard ISO18000-63 and the UHF passive technologies, UHF readers offer unequalled reading distances of up to 14m/45.9ft, and optimum reliability for greater vehicle access fluidity.

## ANPR Cameras

Introducing our Licence Plate Recognition (LPR) system, which grants vehicle access based on licence plate recognition.

Our all-in-one ANPR camera combines embedded software, an analyser, and an IR illuminator. With a long-read range of 2-10m (6.5-33ft), this advanced camera swiftly recognizes vehicles to maintain smooth traffic flow.



### Key features:

- Superior read range of up to 10m (33ft)
- High accuracy day and night, even in sunny conditions
- Unlimited recognition of licensing countries and libraries
- Seamless integration with third-party software
- Supports Wiegand, RS485 (OSDP v2), and TCP/IP
- Easy plug-and-play setup with no software server required
- No annual licence fee, providing a sustainable solution for your access control needs.
- Bluetooth functionality Spectre-Nano.

UHF readers can interface with the door controller via Wiegand and OSDP communication protocols. Up to 4 antennas can be connected to the UHF reader to cover all security issues and all configurations.



### Key features:

- Modularity of the reader
- Flexible and connectable cable in series up to 14m/45.9ft
- Protection: Reinforced vandal-proof structure IK10
- Reduction of roadway costs
- Saving space



#### Part Numbers

##### S-UHF-SPECTRE

UHF Long Range Reader - Up to 13 Meter read range with IP66 Rating. 865 - 868MHz. Compatible with Sensor UHF Cards. Requires Mounting Kit.

##### S-UHF-SPECTRE-PKIT

Pole mounting kit for S-UHF-R10

##### S-UHF-SPECTRE-WKIT

Adjustable Wall mounting kit for S-UHF-R10

##### S-UHF-SPECTRE-NANO

UHF and Bluetooth® multi technology reader

##### NNPR-L

All in one licence plate camera for barrier-controlled and free-flow vehicle access control applications. Range of action of 2-10 meters.

##### NNPR-SP

All in one LUMO licence plate camera for barrier-controlled and free-flow vehicle access control applications. Range of action of 2-10 meters.

##### NNPR-DP

Stainless Steel Post with traffic signals for mounting NNPR camera.

# Bluetooth Reader

## Overview:

The STid Mobile ID is a secure user-friendly identification solution bringing the access badge onto Android™ and iOS® smartphones. Compliant with existing access control systems, the Architect Blue reader identifies Bluetooth smartphones thanks to many proximity or hands-free identification modes. It can work alongside or replace traditional access badges. The Sensor Visitor Management System will issue Bluetooth credentials remotely to mobile devices or revoke them at the click of a button.

### Unique user experience:

STid offers five innovative identification modes for intuitive, smooth and easy management of your access control system by:

- **Badge Mode:** placing your smartphone in front of the reader
- **Remote Mode:** controlling your access points remotely
- **Tap Tap Mode:** tapping your smartphone twice in your pocket for near or remote opening
- **Slide Mode:** placing your hand close to the reader without taking out your phone
- **Hands-free Mode:** passing in front of the reader without presenting the smartphone



#### Part Numbers

##### ARC-A-BT

Bluetooth and multi technology reader.

##### ARC-M-BT

STid Architect Mini Reader, Fully configurable, Supports Mifare Classic, DESFire EV1/2 and Bluetooth.

##### ARC-B-BT

STid Bluetooth and multi technology reader with keypad.

##### ARC-A-BT/QR

STid Architect Reader, Fully configurable, Supports Mifare Classic, DESFire EV1/2, Bluetooth and QR.

##### ARC-BT-DSKW

Architect® Blue Desktop reader/enroller, Secure storage EAL5+, Secure Read only, USB + WEDGE with keypad emulation.

##### ARC-A-BT-CREDIT

Credit for STid Mobile ID Bluetooth Virtual card.





# QR Reader



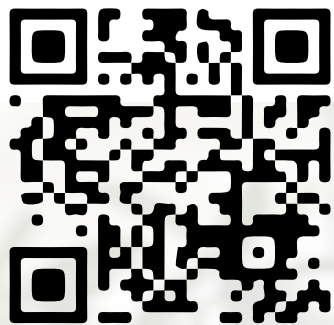
QR readers offer several benefits in access control systems. QR readers provide a cost-effective solution by utilising existing smartphone technology, eliminating the need for specialised hardware.

QR readers offer convenience to users, who can easily access controlled areas by scanning a QR code with their smartphones.

QR codes can be generated and distributed remotely to mobile devices from the Sensor VMS, allowing for quick issuance and easy updates or revocations as needed. Moreover, QR readers enable contactless access, promoting hygiene and reducing the spread of germs or viruses.

Our QR reader features a sleek and slim design, making it ideal for various office and premises settings.

Equipped with a buzzer and LED for clear action indication, it ensures seamless operation. You have the flexibility to choose between the ubiquitous QR code alone or combine it with Mifare/DESFire (CSN) (13.56MHz) proximity cards. The QR reader reads the CSN of Mifare and DESFire cards. Additionally, it offers Wiegand 34bit output as standard, with the option for 26bit output upon request.



### Part Numbers

#### QRCode

Flush mount QR code reader. Slim Sleek design equipped with LED and buzzer for indication and Wiegand 34bit output.

#### QRProx-MF

Flush mount QR and Mifare CSN reader. Slim Sleek design equipped with LED and buzzer for indication and Wiegand 34bit output.

#### QR110

2D Flush mount QR reader. Wiegand 26bit or 34bit output. Versatile connectivity RS232 or 485. Size 86x86x42mm.

# Custom Reader Design

## Overview:

Sensor Access understands the value-added in personalised service. From the manufacturer to installer and right the way down to the end-user. With our personalised readers, you can project your brand and values all the way along the chain and also give a helpful reminder to the end-user who may not be sure who originally installed their system.

Custom readers can have your own design or company logo and the back-lighting tuned to a vast array of colours. Custom readers help to increase your brand awareness and protect your installations.

The minimum order quantity is 50 readers which means there is no premium over our standard reader, even with custom lighting.

Many businesses and organisations have had their logo added to our readers for that extra Corporate look.

The custom reader service is available on our single gang and mini readers.

If you also need your reader to be of a particular format to suit an existing card population. Sensor can offer the readers in multiple formats such as DESFire, Mifare and HID.



### Part Numbers

#### CUS-RDR

Custom readers





# Case Studies



## NATPET - Saudi Arabia

Established in 1990, NATPET is one of Saudi Arabia's leading petrochemical manufacturers producing over 800,000 tons of Propylene and Polypropylene per year. A widespread and exposed site with over 4km of perimeter to protect. The security risks to this site are very high and a combination of technologies were required to secure it. Utilising Sensor's IC1604 input/output boards a system was developed to monitor alarm inputs. The GPP was used as an integration platform with the Pelco CCTV system. Commands were sent from GuardPoint Pro to either trigger a live camera or take a dome to a preset. By deploying a 2nd communication bus on all controllers this provided a communication redundancy option ensuring the highest level of security.



## The Hickman - UK

Sensor Access are proud to have supplied our GuardPoint10 platform to the first office in the world to be awarded the top rating in a new benchmark for smart buildings. The 75,300 sq ft building, on Whitechapel Road, EC1, has been awarded a platinum rating under WiredScore's new SmartScore certification. The building uses our latest integration with Mitsubishi's DOAS Lift system along with QR codes for visitor management and Bluetooth + Desfire proximity readers for tenants. Guardpoint10 is also fully integrated with the SmartSpaces App via Guardpoint10's modern API. The SmartSpaces App allows you to connect all of the buildings systems such as access, lighting, HVAC and energy control all from a mobile device.



## Carrefour - France

Carrefour is a multinational retail corporation in France. It is one of the largest supermarket chains in the world, operating a variety of grocery stores, hypermarkets, and convenience stores. The client wished to manage their operation from one platform with live reporting across the organisation. Flexibility and accessibility were key to this project. Multi Site – management of the organisation from one central point. Site has 30,000 users, 300+ controllers, 235 Global Reflexes – this is cause and effect to allow simultaneous actions to trigger.



# Case Studies

## Churchward School

The whole building has been created with flexibility in mind and can adapt to the ever-changing and diverse range of student's needs to ensure that they have every opportunity to take the next steps in their lives - whatever they may be. A new building was constructed in 2020 upgrading the security system to meet the demands of a modern school became part of the project. GuardPoint10 system was installed with a range of Sensor Access's intelligent IC controllers and Mifare proximity readers. GuardPoint10 was installed running an SQL server and was linked with the schools current HR database to populate GuardPoint10 automatically.



## New Siblands Primary School

New Siblands Primary School is a leading educational establishment in Bristol. In order to safeguard the contents of the building and increase the security, New Siblands Primary School decided to implement an access control solution. GuardPoint10 System was installed using IC2001 & IC4001 controllers as well as Sensor Access's Mifare readers. New Siblands Primary School now has a system that automatically populates the pupils data from a central system into GuardPoint10 Software saving time and money.



## Taunton School

A GuardPoint10 system was specifically designed to meet the complex requirements of this large school. The school campus includes Taunton School International, Taunton Preparatory School, Taunton Pre-Prep School and Taunton Nursery. With over 350 readers and 40 biometric Finger Print Readers on site, the system has expanded as requirements have grown. Taunton school now operates a fully integrated security system offering peace of mind to parents and students. The system has proved future proof to date and will continue to grow and meet their expectations.





# Case Studies



## Innoland One Montage - *The Philippines*

Installation Partner: Infinite Systems Technology Corporation, The Philippines.

One Montage is a Grade A building located in Cebu City, Philippines. Security and energy efficiency is of primary importance at One Montage. This is the reason why they wanted to equip the building with high security turnstiles to secure the entry and exit points to valid building tenants only. Having around 29 floors of leasable space for both commercial and retail clients, the management of thousands of users in the building is not an easy task. Security and Access Control is well taken care of with the Sensor Access GuardPoint10 system in place and GP10-LM-M module (Mitsubishi Software Integration) together with Sensor Access IC2001 (2 door, 4 reader) and IC4001 (4 door, 4 reader) IC controllers located in various locations in the building. One Montage was one of the first buildings in Cebu to have their security turnstiles fully integrated with Mitsubishi DOAS Lift system. Assigned lifts are displayed on the Mitsubishi provided LCD displays which is mounted on top of the turnstiles.



## Megaworld One Paseo - *The Philippines*

Installation Partner: Infinite Systems Technology Corporation, The Philippines.

The One Paseo commercial building has 17 floors of premium-grade leasable space located in Pasig City. Constructed in a mixed-use township developed by Megaworld Corporation, the building offers eco-efficient and innovative facilities. Their set-up includes Smart Elevators from Fujitec which they wanted to integrate with Security Turnstiles. After tapping cards onto the readers at the turnstiles, lift assignments are displayed on the LCDs. Users then proceed to their assigned elevators without a need to further press anything inside the elevators. Their integration requirements were fully addressed using the GuardPoint10 system that was installed together with a range of Sensor Access's intelligent IC controllers.



# GuardPoint 10

## Software Modules

GP10-Entry	Free GuardPoint10 software licence. Starting capacity 2,000 cardholders, 32 readers, Badge Printing, Suprema Biometrics Integration, Global Reflexes, T & A, Roll Call, Basic Global Reflexes, ANPR Module, Reports, Alarm Management, 3 x Graphical Maps, HikVision NVR.
GP10-48R	Expands the GP10 licence by 48 readers and controllers.
GP10-1000B	Expands the GP10 licence by 1000 badges.
GP10-AD	Enables GP10 access to Active Directory.
GP10-AGR	Enables GP10 access to additional Actions in the Global Reflex Module, including: Scheduler, Database backup, Email and Run external App.
GP10-API	Enables access to a RESTful API which uses HTTP requests to GET, PUT, POST and DELETE data.
GP10-AREA	Enables GP10 access to real time visual and reporting of cardholder movements.
GP10-DOM	DOM module
GP10-G8	Enables GP10 to access unlimited graphical maps.
GP10-GXY	Enables GP10 the ability to receive alarm transactions from Honeywell Galaxy intrusion systems (via TCP/IP).
GP10-LM	Enables GP10 lift control integration for Kone, Mitsubishi, Otis via software or inputs and outputs.
GP10-MS	Enables GP10 Multi-Site management feature.
GP10-PM	Enables GuardPoint 10 Parking module (includes Area module).
GP10-TWCUSTOM	timeware® integration - unlimited employees and devices.
GP10-TW100	timeware® integration - up to 100 employees and 2 attendance devices.
GP10-TW250	timeware® integration - up to 250 employees and 3 attendance devices
GP10-V8+	Enables GP10 the ability to act as a VMS linking video to event and alarm transactions compatible with HIK Vision, milestone and ONSSI.
GP10-WEB	Enables GuardPoint 10 access via web intranet interface with 3 simultaneous logins.
GP10-WS	Licence to install a GP10 client on an additional PC, 1 licence required per client.
MG-APP	MobileGuard Android App. Connects to GP10, Enables mobile reader and area reporting. (Requires API and AREA module in GP10).
MG-SSL-2YR	MobileGuard 2 Year certificate for one device to connect securely to GP10.
MG-SSL-SETUP	MobileGuard Remote setup and configuration for GP10 and Stunnel to allow HTTPS (mTLS) connection.
MK-APP	MobileKey Application.
VMS-SSL-2YR	Visitor Management System 2 Year certificate for one device to connect securely to VMS.
VMS-SSL-SETUP	Visitor Management System Remote setup and configuration for GP10 and Stunnel to allow HTTPS (mTLS) connection.



# Product List



## Controllers

	<b>IC500NX-E3</b>	1 Door / 2 Reader Controller, 4 inputs, 3 outputs, 2,000 cardholders (expandable to 44,000) Housed within a metal cabinet with 2A 12VDC Power Supply.
	<b>IC500NXIP-E3</b>	As above with embedded IP.
	<b>IC1000NX-E3</b>	2 Door / 2 Reader Controller, 4 inputs, 3 outputs, 2,000 cardholders expandable to 44,000) Housed within a metal cabinet with 3A 12VDC Power Supply.
	<b>IC1000NXIP-E3</b>	As above with embedded IP.
	<b>IC2001-E5</b>	2 Door / 4 Reader Controller, 8 inputs (expandable to 16) 4 relay outputs (expandable to 64) 20,000 cardholders (expandable to 483,000) Housed within a 5A 12VDC Power Supply.
	<b>IC2001IP-E5</b>	As above with embedded IP.
	<b>IC4001-E5</b>	4 Door / 4 Reader Controller, 8 inputs (expandable to 16) 4 relay outputs (expandable to 64) 20,000 cardholders (expandable to 483,000) Housed within a 5A 12VDC Power Supply.
	<b>IC4001IP-E5</b>	As above with embedded IP.
	<b>IC1604-E1</b>	Alarm Controller with processor flash memory, 16 inputs (expandable to 24) 4 relay outputs (expandable to 56) Housed within a metal cabinet with 2A 12VDC Power Supply.
    	<b>1. EXT IRLED</b>	Plug In Extension board with 8 supervised inputs, 4 relays and 4 LED controls for card readers (Compatible with IC2000, IC4000 & IC1604).
	<b>2. EXT-TCP/IP</b>	Plug In Extension board offering TCP/IP interface and RS485 bus to other IC's (Compatible with IC2000, IC4000 & IC1604).
	<b>3. EXT-TCP/IP-IR</b>	Extension board offering TCP/IP interface, RS485 bus, 8 supervised inputs, 4 relays and 4 LED controls for card readers (Compatible with IC2000, IC4000 & IC1604).
	<b>4. RLY-12</b>	12 relay plug in extension board (Compatible with IC2000, IC4000 & IC1604).
	<b>5. SAT-16</b>	Satellite Relay Module with 16 additional relays. Three can be connected to each IC controller. (Compatible with IC2000, IC4000 & IC1604).
  	<b>1. USB/485-SEN</b>	USB to RS485 communication interface.
	<b>2. RCB</b>	Communication bus kit for adding a 2nd bus to IC controllers. NOT COMPATIBLE WITH IC1000 RANGE IC500NX/IP.
	<b>3. BBU</b>	12VDC 7.2Ah backup battery for controller.

## Readers and Cards

  	<b>1. DF-MINI</b>	SensorProx DF Format Mini Smart Card Reader. Tri colour back lit reader.
	<b>2. DF-SG</b>	SensorProx DF Format Single Gang Smart Card Reader. Tri colour back lit reader.
	<b>3. DF-KPV</b>	SensorProx DF Format Keypad Smart Card Reader, Tri colour back lit keypad. Touch sensitive.
  	<b>1. SP-MINI</b>	SensorProx Mini Card reader with 3-colour backlit panel.
	<b>2. SP-SG</b>	SensorProx Single Gang Card reader with 3-colour backlit panel.
	<b>3. SP-KPV</b>	SensorProx Single Gang Card reader with 3-colour backlit keypad panel.
  	<b>1. ARC-A-BT</b>	STid Bluetooth and multi technology reader.
	<b>2. ARC-M-BT</b>	STid Architect Mini Reader, Fully configurable, Supports Mifare Classic, DESFire EV1/2 and Bluetooth.
	<b>3. ARC-B-BT</b>	STid Bluetooth and multi technology reader with keypad.
	<b>4. ARC-A-BT/QR</b>	STid Architect Reader, Fully configurable, Supports Mifare Classic, DESFire EV1/2, Bluetooth and QR.
	<b>5. ARC-BT-DSKW</b>	Architect® Blue Desktop reader/enroller, Secure storage EAL5+, Secure Read only, USB + WEDGE with keypad emulation.
	<b>6. ARC-A-BT- CREDIT</b>	Credit for STid Mobile ID Bluetooth Virtual card.
 	<b>QR Code</b>	Flush mount QR code reader. Slim Sleek design equipped with LED and buzzer for indication and Wiegand 34bit output. Size 86x86x43mm.
	<b>QRProx-MF</b>	Flush mount QR and Mifare CSN reader. Slim Sleek design equipped with LED and buzzer for indication and Wiegand 34bit output. Size 86x86x43mm.
	<b>QR110</b>	2D Flush mount QR reader. Wiegand 26bit or 34bit output. Versatile connectivity RS232 or 485. Size 86x86x42mm.
 	<b>1. HID-SIGNO-20</b>	Signo 20 Reader.
	<b>2. HID-SIGNO-40</b>	Signo 40 Reader.
 	<b>1. S-BIO-MC-W2</b>	SensorBio Fingerprint, Multiclass and Proximity card reader. Compatible with SP readers/cards. Has PoE and IP67/IK08 rating.
	<b>2. S-BIO-MF-W2</b>	SensorBio Fingerprint and Proximity card reader. Compatible with SP readers/cards. Has PoE and IP67/IK08 rating.
 	<b>3. FSFR-F</b>	Facial and Fingerprint Recognition reader with 7» LCD, supports Dual RFID(125kHz EM & 13.56Mhz MIFARE, MIFARE Plus, DESFire EV1/EV2, FeliCa).
	<b>4. FSFR-M</b>	Facial Recognition reader with 7» LCD, supports MultiCLASS SE and Dual RFID (125kHz EM & 13.56Mhz MIFARE, MIFARE Plus, DESFire/EV1/EV2, FeliCa, iCLASS SE/ SR/Seos).

		<b>5. BE-W3</b> Compact facial Recognition reader, Dual RFID(125kHz EM & 13.56Mhz MIFARE, DESFire/EV1, FeliCa).
5.	6. 7.	<b>6. BSFR-M</b> Facial Recognition reader with 5.5» LCD, supports 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV21), FeliCa, iCLASS SE/SR/Seos.
		<b>7. BSFR-S</b> Facial Recognition reader with 5.5» LCD, supports 125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV21), FeliCa.
<hr/>		
<b>S-UHF-SPECTRE</b>		UHF Long Range Reader - Up to 13 Meter read range with IP66 Rating. 865 - 868 MHz. Compatible with Sensor UHF Cards. Requires Mounting Kit.
		<b>S-UHF-SPECTRE-NANO</b> UHF and Bluetooth® multi technology reader.
<b>S-UHF-SPECTRE-PKIT</b>		Pole mounting kit for S-UHF-R10.
<b>S-UHF-SPECTRE-WKIT</b>		Adjustable Wall mounting kit for S-UHF-R10.
<hr/>		
		<b>1. NNPR-L</b> All in one license plate camera for barrier-controlled and free-flow vehicle access control applications. Range of action of 2-10 meters.
<b>2. NNPR-SP</b>		All in one license plate camera for barrier-controlled and free-flow vehicle access control applications. Range of action of 2-10 meters.
<b>3. NNPR-DP</b>		Stainless Steel Post with traffic signals for mounting.
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		<b>DF-DSK-RD</b> SensorProx DF Format Desktop reader connected to PC via USB.
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		<b>MF-DSK-RD</b> SensorProx MIFARE Format Desktop reader connected to PC via USB.
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		<b>1. SP-MF-1K</b> SensorProx Mifare smart card. ISO Read/Write card 1K Bytes.
1.	2.	<b>2. SP-DSK-RD</b> SensorProx format Desktop reader connected to PC via USB.
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		<b>DF-ISO</b> SensorProx DF Format ISO Cards. 1K Smart Card Technology.
<b>DF-KEY-BK</b>		SensorProx SF Key Tags in black.
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		<b>1. SP-SHELL</b> SensorProx Standard Proximity Shell Cards.
<b>2. SP-ISO</b>		SensorProx ISO Printable Proximity Cards.
		<b>3. SP-KEY-R/G/B</b> SensorProx Proximity Key tag with hole for key chain, red, green or blue.
1.	2.	
<hr/>		
		<b>DF-MF-CONFIGCARD</b> Programming card to change any SensorProx DF reader from DF Format to SensorProx Mifare. Can be used multiple times. Please see DF readers above.

## Door Hardware

		<b>1. DOM-BRIDGE</b>	DOM Connect Bridge - up to 255 devices (hubs/locks).
		<b>2. DOM-HUB</b>	DOM Wireless Hub up to 16 devices in 30m radius.
		<b>3. DOM-CYL-EH35/10</b>	DOM ENiQ Cylinder Half 35/10 Stainless Steel Readable 1 Side.
		<b>4. DOM-HDL</b>	DOM ENiQ Mifare - Handle Readers - Online Ready -44-55mm - 8mm - without round with return - Brushed Stainless Steel- Brushed Stainless Steel.
	1.	<b>1. EB-1</b>	Surface mount plastic exit button.
		<b>2. EB-2</b>	Surface mount, vandal resistant, stainless steel exit button.
	3.	<b>3. EB-3</b>	Surface mount, narrow style, plastic exit button.
		<b>4. EB-4</b>	Surface mount, narrow style, vandal resistant, stainless steel exit button.
	5.	<b>5. EB-5</b>	Surface mount, stainless steel, large green dome exit button.
		<b>6. EBC-1</b>	Contactless exit button with capacitive sensor and mechanical override.
	6.		
	1.	<b>1. BGU-DP</b>	Break Glass Unit, Double Pole, Green.
	2.	<b>2. BGU-R-DP</b>	Break Glass Unit, Resettable, Double Pole, Green.
	1.	<b>1. ML0022</b>	12/24V DC Slimline magnet, Up to 300kg holding force, Monitored.
	2.	<b>2. ML0062</b>	12/24V DC Slimline double magnet, Up to 300kg holding force, monitored.
	3.	<b>3. LH0002</b>	Z & L Brackets for slimline maglock (All inward opening doors require Z & L brackets.
	1.	<b>1. ML0080</b>	12/24V DC Standard magnet, Up to 500kg holding force, Monitored.
	2.	<b>2. ML0074</b>	12/24V DC Standard double magnet, up to 500kg holding force, monitored.
	3.	<b>3. HM0030</b>	Z & L Bracket for standard maglock.
	1.	<b>1. SHL1200</b>	12/24V DC GS705 Shear Magnet, 30mm wide, Up to 1500kg Holding Force, monitored.
	2.	<b>2. DX-200</b>	Fail safe, entry-level solenoid bolt, 12/24V DC, IP 53 rated.
	1.	<b>1. GAER</b>	Standard Fail Secure Release Kit, 12V AC/DC, Adjustable Jaw.
	2.	<b>2. ARU</b>	Heavy duty ANSI Reversible Release, two faceplates, 12V DC.

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# Warranty

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With a 2 year warranty offered on our extensive product range you can rest assured with peace of mind of the quality of our products. We also offer extended warranty via our Sensor Access Support Agreement.

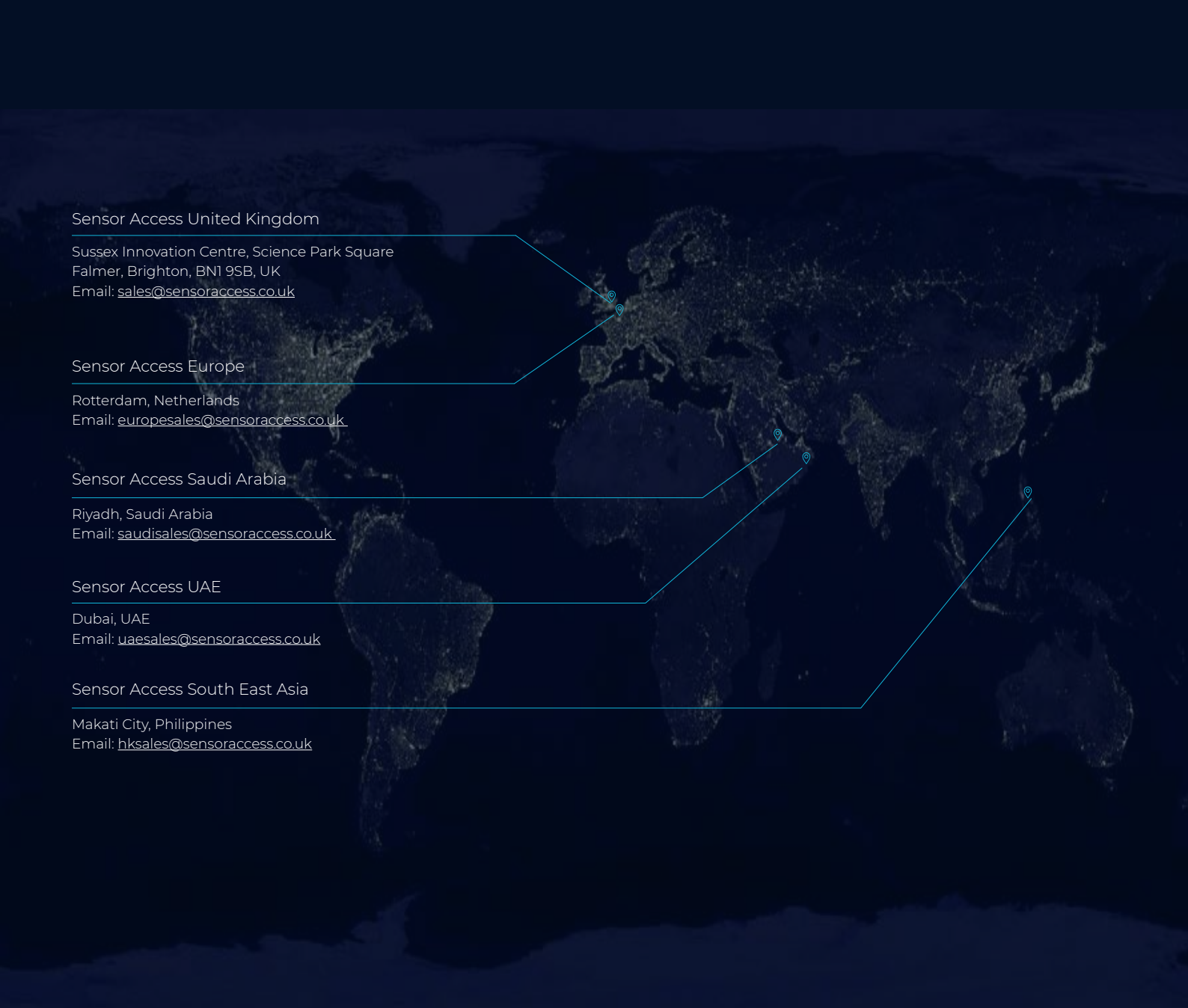
## Stock

We stock a full range of products, with many items available for next day delivery from our headquarters in the UK.

## Customer Support

Sensor Access has a core strength of being a specialist in access control. This means we can spend the time and effort required to offer our clients the most complete and up to date range of integrated access control solutions. The Sensor Access team is built from specialist engineers and management that have many years industry experience and bring with them vast experience and knowledge at both a domestic and international level.

Sensor Access has the ability and experience to work closely with its partners in the design, implementation and after sales support of projects across the globe. The sectors and projects that Sensor continues to be involved in include: airports, local councils, defence, ports, education facilities, hospitals, office facilities, banks, industrial and blue chip installations.



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