Access Portal
CATALOGUE

Catalogue
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Every day, millions of people around the world rely on Impro Technologies' access control solutions to enter their premises, and have done so for over 30 years.

Company
MILESTONES

Company founded

1986

1990

Original 2 reader MultiScan

1992

LinkScan

FlexiScan E

1995

1996

Vehicle Fuelling System

Long range scanner

1997

UniScan

OmniScan

1999

1998

DynaTrack Miners

MultiScan II

IXP 100

ProxPal

ProxMate

2001

2000

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2005

MFT

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SupaGate

QuadTag

MDR reader

iTT controller

iTRT controller

2009

2008

IXP220

Mullion reader

BMTA biometric reader

2011

2010

IXP 125

2013

Access Portal hardware

Access Portal Software

2015
31 December
Acquired by ASSA ABLOY

CCTV integration

2016

2017

S-Series

Aperio wireless locks integration

Access in a Box

2018

Company
PROFILE

Impro Technologies was founded in 1986 by three South African entrepreneurs who originally worked together in the electronic measurement industry.

A key strength of the business was the expertise of the founders in both engineering and sales.

This proved invaluable when they saw the opportunity to use Radio Frequency Identification (RFID) in a new application – that of access control.

This resulted in us pioneering trinary encoding in the late 1980s and gave birth to the class-leading LinkScan system.

We were again at the forefront in the early 1990s when we were one of the first companies in the world to develop a custom chip for our access control solutions - the ASIC, Application Specific Integrated Circuit.

The ASSA ABLOY group

At the end of 2015 we were acquired by the global ASSA ABLOY group.

Whilst still operating independently, we have the benefit of the group's vast intellectual property and resources, knowledge and expertise at our disposal.

This creates a win-win for our customers, who are assured of us continuing to pioneer solutions both today, and tomorrow.

Internationally accredited

As with any global company, rigorous standards are applied to the development and manufacture of all our products.

Our processes are RoHS compliant and, where applicable, are internationally accredited for safety and quality.

Global player, local partner

Today we export products to over 60 countries, spanning four continents.

From a small operation on the east coast of South Africa, the company has grown to become a global player in the access control industry.

Through an extensive network of distributors and dealers, we are also a local partner. Our established network of companies has been built up over many years and provides you with local knowledge and expertise, as well as in-country sales and support.

Manufacturing
EXCELLENCE

Every product begins as an idea. Our engineers and developers craft this into a product, system and solution that will meet the needs of our customers around the globe.

However, as with everything, testing is key and our manufacturing process is no different.

Once the prototypes are complete, a phased approach, incorporating extensive in-house testing an international accreditation is undertaken.

This includes environmental testing chambers to ensure our products operate in extreme temperatures.

Building the electronics

The first process in manufacture is the surface mount technology. This is where the electronic board is populated with components by the pick-and-place machinery.

Part of the process includes the machine verifying the correct placement of each and every component as an automated quality check.

Into the oven

The board moves into a soldering oven where the temperature ensures the bonding of the component onto the circuit board.

In addition to providing a high quality bond, our process is RoHS compliant, meaning no harmful lead is used in the process. Another visual quality check is undertaken to ensure the product adheres to our standards, before moving further in the process.

Built to last

The larger components are populated on the board and another quality inspection completed.

Once all the components have been placed, the board is conformal coated to protect against water and insect ingress, and ensure a longer life for the product.

Final assembly

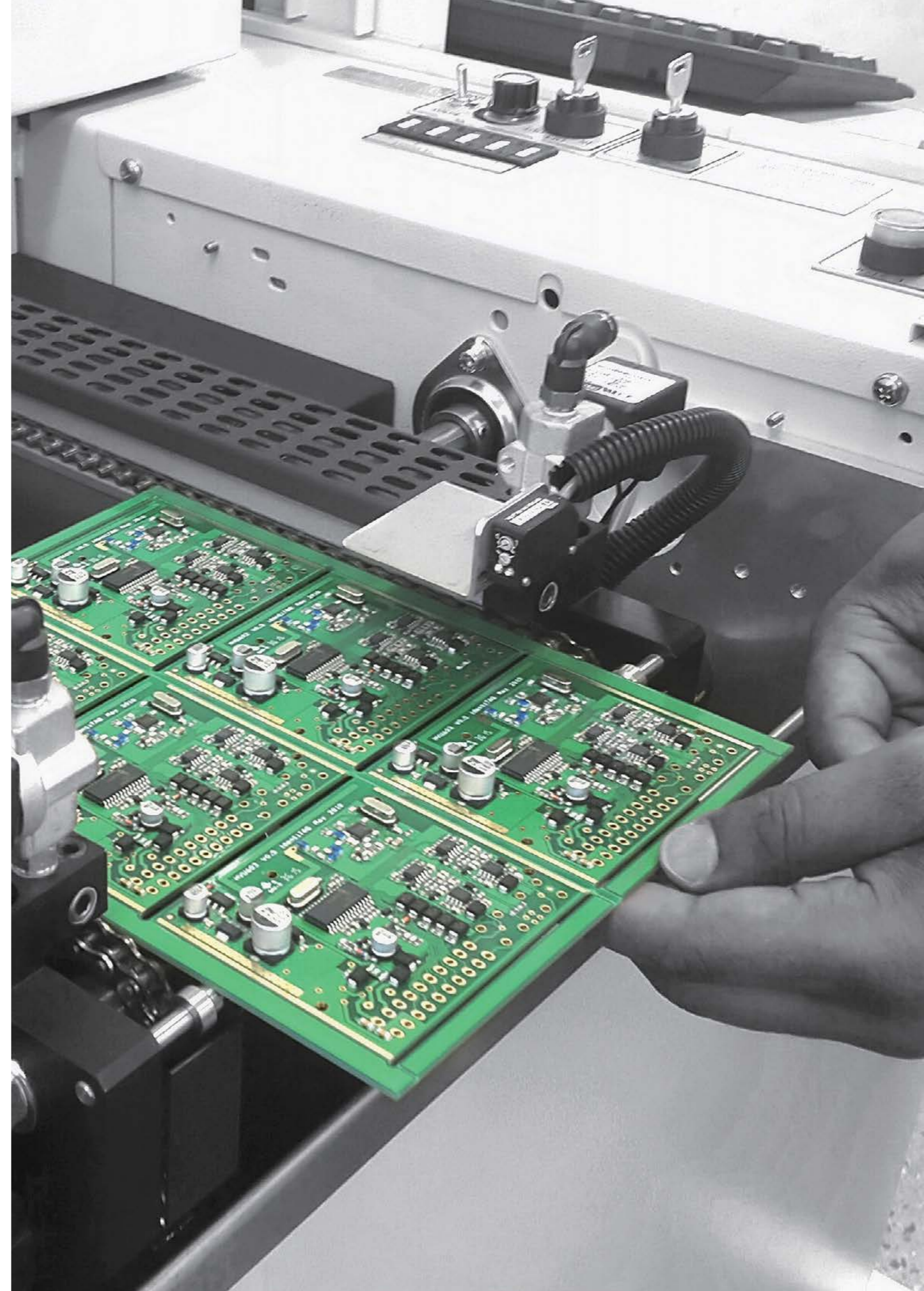The coated board is ready to be placed in the exterior housing.

This is done by hand, as it's the most efficient method given the different mix of products manufactured each day. It also provides much needed employment and, where possible, we utilise personnel rather than machines for this specific reason.

Another visual and full operational test is concluded to ensure the product is able to perform as designed.

This is a significant and important component of our manufacturing process as customers are assured that every single product has been extensively tested prior to shipping.

We believe this is a more thorough and comprehensive method to the traditional batch-sampling.

From here our products are dispatched around the world.

Accredited
TRAINING

We offer an array of accredited training on Access Portal, to ensure complete confidence in installing and using the system.

Certified training

Our certified training courses are designed for installers, to ensure they are fully conversant with the system.

The courses provide a mix of theory and practical work and encompass the full installation needs – from wiring, through to system configuration and commissioning.

Our courses also cover the use of integrated third party devices, such as biometrics, long range readers and ANPR (automatic number plate recognition).

Successful completion of the course results in the installer becoming an accredited Impro installer, providing customers with peace of mind, knowing their installer is fully competent on the system.

Impro sales certification is available to individuals involved in access control solutions, with the aim of giving you the knowledge and expertise to specify and quote on sites. End users also benefit by knowing their selected supplier is suitably qualified.

End user training

Our dedicated training for operators and end-users ensures you are able to reap the full value and protection from your Impro system.

CPD training

Professionals such consultants, architects and engineering specialists are catered for with our CPD accredited training which provides a solid understanding of all aspects of access control.

Client Services

Our client services division is able to support you in all aspects of a project, from conception to completion.

This could be guidance on specifications to ensure the right solution for your needs, to assisting with integrating other security or personnel systems, as well as provide best practices for you to efficiently operate and maintain the system.

Online

We also provide specialised online training for customers with video conferencing facilities, and frequently host webex seminars. This service provides practical training on the software only.

Technical
SUPPORT

Our support division provides free 24-hour assistance to ensure you gain the full benefit from your Access Portal solution

The Technical Support centre provides free telephonic and remote online support 24-hours a day, 7 days a week.

Our support specialists have extensive experience in configuring and operating Access Portal systems, to ensure any challenges you face are quickly resolved.

When you need help, you can call on us, knowing there will be no extra hidden costs.

On site assistance

On site services are provided for larger installations, bespoke designs, or highly customised integrations.

With the ground breaking technology offered by the Access Portal system, a whole world of integration and customisation is possible on this unique, technically advanced operating platform.

Our client services division is able to support you in all aspects of a project, from conception to completion.

This could be guidance on specifications to ensure the right solution for your needs, to assisting with integrating other security or personnel systems, as well as provide best practices for you to efficiently operate and maintain the system.

Access Portal
INTRODUCTION

The Access Portal management software suite provides a variety of options for small business, through to multi-site enterprises.

Upgrading through the various tiers is quick and easy, simply enter the license key and the next tier is unlocked – no hardware change, no database migration.

Access Portal also brings a new level of simplicity to the operation of access control. From auto-install functionality, to built-in wizards and automatic detection of hardware, the software is easy to use and quickly provides the information you need, when you need it.

Free stuff

We offer all customers free 24-hour technical support to quickly address any challenges you're facing with your access control system.

Mobility

Mobile phones have changed the way we work, providing instant access and convenience. Access Portal provides the same convenience with real-time information, 24-hours a day, as you're able to access your system from a smart phone, tablet or computer – the choice is yours.

Customisable

The Access Portal range provides an unique level of customisation, so you're able to tailor the software to your specific needs. This is carried through to the dashboard, which allows users to personalise their dashboard view according to their function.

The software also includes an array of reports and, depending on the tier, customers can customise these further, or develop your own.

Access Portal
LITE

Small to medium businesses

**A small but powerful access control
solution, Access Portal Lite has a feature
set that punches well above its weight.**

Everything you need to manage access to
your premises is contained within Access
Portal Lite. You don't even need a PC as it has
an embedded system in the cluster controller,
meaning you can set up everything you need
from the optional touchscreen LCD.

Enrolling tags, configuring your doors and
setting up the access rights is quick and easy.
The system even automatically sets up the
database for you – meaning you're up and
running faster than ever. When needing to
change access rights, or add/remove personnel,
it can be done in just a few clicks and is
immediately active in real-time.

Access Portal Lite also offers a number of
enterprise features, without the associated costs,
and has one of the best price to feature ratios in
the market.

The system is also a valuable business tool that
allows you to run reports such as hours worked
by employees, or information on who accessed
restricted areas, and all the data is kept secure
so you've always got a full audit trail.

Plug
and
play
solution
that
simply
works

Access Portal
BASIC

Download and use for free

100 doors
1,000 tagholders

WHO SHOULD USE ACCESS PORTAL BASIC?

Ideal for anyone wanting an elementary access control solution without the associated high cost:

- Gated communities

- Corporate businesses

- Industry and manufacturing concerns

- Hospitality

- Educational facilities

Access Portal Basic provides features that are normally only available through Enterprise-style licensed software.

Installation is simplified with an auto-install function which includes the automatic configuration of your hardware to reduce the traditional time and complexity associated with setting up an access control solution.

The system also includes a number of high-end features, such as anti-passback doors (APB) and the ability to create custom design access cards.

Access Portal Basic includes powerful features such as Virtual I/O that enables you to set rules that cause events to trigger a series of actions – tag at the door, the alarm is disabled, the lights go on and the air conditioner starts – giving you power to control the site from the access control system.

Standard with all Access Portal software is the ability to control your premises 24-hours a day through our web-enabled software, no matter where you are.

Simply connect through your smart phone, tablet or PC and immediately see what's happening in real-time.

The system also includes an array of reports and integrated biometric readers.

Big
business
features
for free

Access Portal
PRO

Medium to large facilities

5,000 doors
25 sites

WHO SHOULD USE ACCESS PORTAL PRO?

The solution is suited to medium to large facilities, such as:

- Educational institutions

- Corporate facilities

- Multiple site premises

- Government and parastatals

- Mining, oil and petroleum

- Health care facilities

Access Portal Pro has an extensive feature set that makes it one of the most flexible access control systems available.

A simple user-intuitive interface, coupled with auto-hardware identification, means the system can be quickly installed and configured.

A key benefit of choosing Access Portal Pro is the provision of ongoing software updates that ensure you're able to enjoy a host of new features and technologies, as they become available.

An enhanced feature of the Access Portal Pro software is the ability to create a personalised dashboard to display critical information or frequent tasks, specific to your needs. This could be an IP camera feed, a quick enrol button or live transaction feed – you can customise the dashboard to how you work best.

For installers, the virtual hardware enables you to configure and test an installation offsite using virtual hardware. Once on site, these items are simply replaced with physical hardware, ensuring a quicker and smoother installation.

The system provides a wide array of standard reports, as well as the ability to generate custom reports, for single or multiple site management. Couple the reports with our powerful zoning tool, for enhanced people movement control, and you're able to quickly see what's happening on the premises.

The software also provides the platform for you to install the latest technologies, such as biometrics, wireless locks, SEOS-secured devices and even virtual credentials on your mobile phone. All within one secure package.

Powerful solutions to secure your assets

Access Portal
ENTERPRISE

Large multi-site enterprises

10,000 doors
1,000 sites

WHO SHOULD USE ACCESS PORTAL ENTERPRISE?

The software has been designed for large sites, including multi-site applications, such as:

- Large industry and manufacturing

- Tertiary institutions

- Petrochemical

- Banking and finance

Access Portal Enterprise meets the exacting needs for large installations globally.

The software is one of the most customisable systems available and has an immense feature set which allows the system to be set up to solve your most complex site requirements.

In addition to be able to manage multiple sites, Access Portal Enterprise provides advanced tools to ensure a quick and effective installation, such as the ability to connect to controllers over a WAN with built-in auto identification to rapidly identify and incorporate hardware devices on the various sites. System diagnostics are also incorporated which includes built-it alerts, to ensure the system is always operating optimally.

Threat level is a standard feature on Enterprise, which enables you to change the access rights on your site with the click of a button. There are four levels – low, elevated, high and severe – and by enacting this, the previous patterns are automatically overridden.

Scheduled tours is another advanced feature, specially designed for Enterprise. Ideal for the remote management of scheduled functions, such as a security guard undertaking a perimeter patrol, or cleaning services performing their assigned duties, the service is user-intuitive and the required staff follow a scheduled route, within set time parameters. Built-in alerts and an audit trail complete the feature.

User convenience is addressed with Access Portal Enterprise where a single credential can be used to access a variety of facilities – from a door, to computer, to canteen or vending machines. Further, this credential no longer needs to be a physical tag or card, but can be a virtual credential on the user's mobile phone.

Power
to meet
your
global
needs

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Seamless
INTEGRATION

We offer an extensive API (Application Programming Interface) for third party developers and organisations to integrate with Access Portal.

The API offers a choice of integrations, being either a protocol based API for tight integrations, or a database integration via staging tables. This enables third-parties to integrate other solutions with our world-class access control solution, such as:

- Time & attendance
- Video management and CCTV
- Intrusion systems
- Fire protection solutions
- Wireless and electronic locks
- Biometrics
- Building management

A key benefit of the API is the ability for developers to query down to a table level, rather than simply the traditional elementary actions. This gives developers greater flexibility in the delivery of services. In addition, our team of application engineers are on hand to guide developers with their integrations, to ensure a solid integration and, best-of-breed solution – which adds up to end users enjoying fluid information delivery and an integrated user experience.

Our API is a fluid document which is upgraded and enhanced by our specialist developers, as new functionality is provided within Access Portal. Further, the API provides developers with sample code and best practises, with the aim of supporting reduced time-to-market. Further, the API is accessible via web applications by using the REST protocol and a Library API is also available, if preferred.

The right solution for
YOU

	Access Portal **LITE**	Access Portal **BASIC**	Access Portal **PRO**	Access Portal **ENTERPRISE**
Number of sites	1	1	25	1,000
Doors				
Doors per site	16	100	200	500
Doors per system	16	100	5,000	10,000
Tagholders				
Credential holders per site	1,000	1,000	5,000	1,000,000
Credential holders per system	1,000	1,000	125,000	1,000,000+
Credentials per person	3	3	4	10+
Security				
User operator security profiles	1	1	Unlimited	Unlimited
Access groups per site	8	100	5,000	10,000
Access groups per system	8	100	125,000	250,000
Installation				
Auto hardware configuration	✓	✓	✓	✓
Embedded (i.e. no software to configure)	✓	-	-	-
SQL	-	✓	✓	✓
General features				
Time limited access	✓	✓	✓	✓
Suspension facilities	✓	✓	✓	✓
Buffered transactions	✓	✓	✓	✓
Duress codes	-	✓	✓	✓
Biometrics	-	✓	✓	✓
Dashboard	-	✓	✓	✓
Dual tag	-	✓	✓	✓
Operator security profiles	-	Limited	✓	✓
Visitor book	-	-	✓	✓
Virtual IO	-	-	✓	✓
Scheduled tour	-	-	✓	✓
Threat level	-	-	✓	✓
Elevator control	-	-	✓	✓
Translations	✓	✓	✓	✓

Access Portal
HARDWARE

You've got backup

Power failure, server crashed, network problems? Embedded, intelligent and independent. The cluster controller stores all information to make a decision locally. And when the connection is re-established, the controller seamlessly communicates its transactions with the server.

Flexible intuitive design

You decide what works best for you. The system is flexible enough to adapt to the most complex sites and expands when you need it. Intuitively designed for the ultimate in-field configuration flexibility.

Less wires

An industry first, true plug-in and play. You simply clip in the next unit using the quick connectors and auto-ID; and all power and communications are connected. Less wires, less hassle. Installation has never been easier.

More of everything

Memory, RAM and processing power. Lots and lots of it. Some call it overkill, we call it just right. There is enough memory available to support your every requirement. You've got it, if you need it.

The power of the
CONTROLLER

Access Portal brings an unrivalled simplicity to the installation of an access control solution, with the cluster controller.

Our controller provides all the power to support your every requirement.

It also ensures full off-line functionality and, in the event of a power failure, each cluster controller can store over 100,000 transactions. When power is restored, the controller synchronises back with the server, ensuring all transactions are logged.

Plug-and-play

Our true plug-and-play modular hardware provides the flexibility to quickly and easily expand your site. Simply clip in the next unit and all the power and communication is taken care of – no extra wiring, no hassle.

To cluster or not to cluster?

The ability to plug a number of modules into one controller is termed 'clustering'. The benefit of this is significantly reduced cost as one controller can manage up to eight reader modules - thus controlling up to 16 readers from one cluster controller.

The cluster controller can also be in one location and module(s) up to 150 metres away.

Through our innovative controller design, you have the flexibility to create a bespoke solution with off-the-shelf products, tailored to your specific needs. Giving you the ultimate flexibility for in-field configuration.

LCD touchscreen

The controller is available with or without a LCD touchscreen. The LCD version is specially designed for smaller installations, where a computer or server is not necessary, as the controller has embedded software, commonly termed Access Portal Lite. Everything can be configured through the touchscreen - even the enrolment of tag holders.

Security is our priority

Security is always paramount and to this end our controller delivers. All cluster controllers are fitted with an anti-tamper switch as standard.

In addition, the controller and associated modules, can be supplied pre-wired in a secure metal housing, with built-in tamper switch and an integrated power supply.

Controller Features

- Offline functionality
- Manage up to 4 modules and 16 readers with one controller
- Built-in tamper switch
- LCD touchscreen with built-in enrolment
- Embedded web server accessible with smart phone, tablet or PC
- Stores over 100,000 transactions

Models Available

The cluster controller is available in different variants:

- Controller with LCD
- Controller without LCD
- Controller in metal enclosure
- Controller with plastic housing

A module for every
NEED

The partner to the cluster controller is the module. Our controllers are compatible with all modules, making ordering and installation simpler.

A key benefit of our modules is the ability to hot-swap units without impacting on the system - simply unplug and replace.

Want to expand the system? Just plug in more units, to scale quickly and easily.

Most modules offer the ability to have readers up to 150 metres from the unit, and include end of line sensing for additional security.

All modules are available for installation into a metal housing, or with plastic housing.

Wiegand module

Each Wiegand module supports two readers and has two relays and four inputs.

Antenna module

The Antenna module is used for older Impro proprietary readers. The unit also supports two readers, with two relays and four inputs.

However, the distance between the module and reader can only be a maximum of 25 metres.

IO8 module

When you want to create custom events, the IO8 module is the ideal tool. With eight digital inputs and relay outputs, the options are endless, such as:

- Control elevators, alarm systems and fire control
- Automate lighting, fan control or air conditioning
- Activate turnstile indicators and gates
- Open lockers or doors

S-Series

The S-Series module is highly cost competitive, as the unit manages four APB doors (eight readers).

In addition, installation is using three-core cable which further reduces cost and time.

The module provides four relays and eight inputs.

With Access Portal, every cluster controller must be connected to a module, which is wired to a reader. However, how you group these items together depends on your premises.

The most cost effective
SOLUTION

S-Series is one of the most price competitive solutions in the market today.

One S-Series module with a cluster controller, can manage up to four anti-passback doors (APB), being eight readers.

However, the savings don't stop there. The S-Series uses three-core cabling, which further reduces costs and installation time.

Installation time is always crucial and with the reduced cabling time, savings are also achieved through our revolutionary plug-and-play hardware.

Want to expand the system? Simply plug in more units. Need to change units? Unplug and replace, they're hot-swappable.

Security

A key feature of the S-Series is the use of secure technology that provides enhanced protection against card cloning. Many traditional tag technologies have been compromised which may result in unauthorized users accessing the premises.

With our 125kHz RFID tags this risk is reduced due to the proprietary communication protocol used, which gives increased peace of mind.

The system further encrypts communication between the hardware components of the reader, module and controller, for added security.

End-of-line sensing provides additional protection against tampering of cables, and an alert can be automatically sent should an event occur.
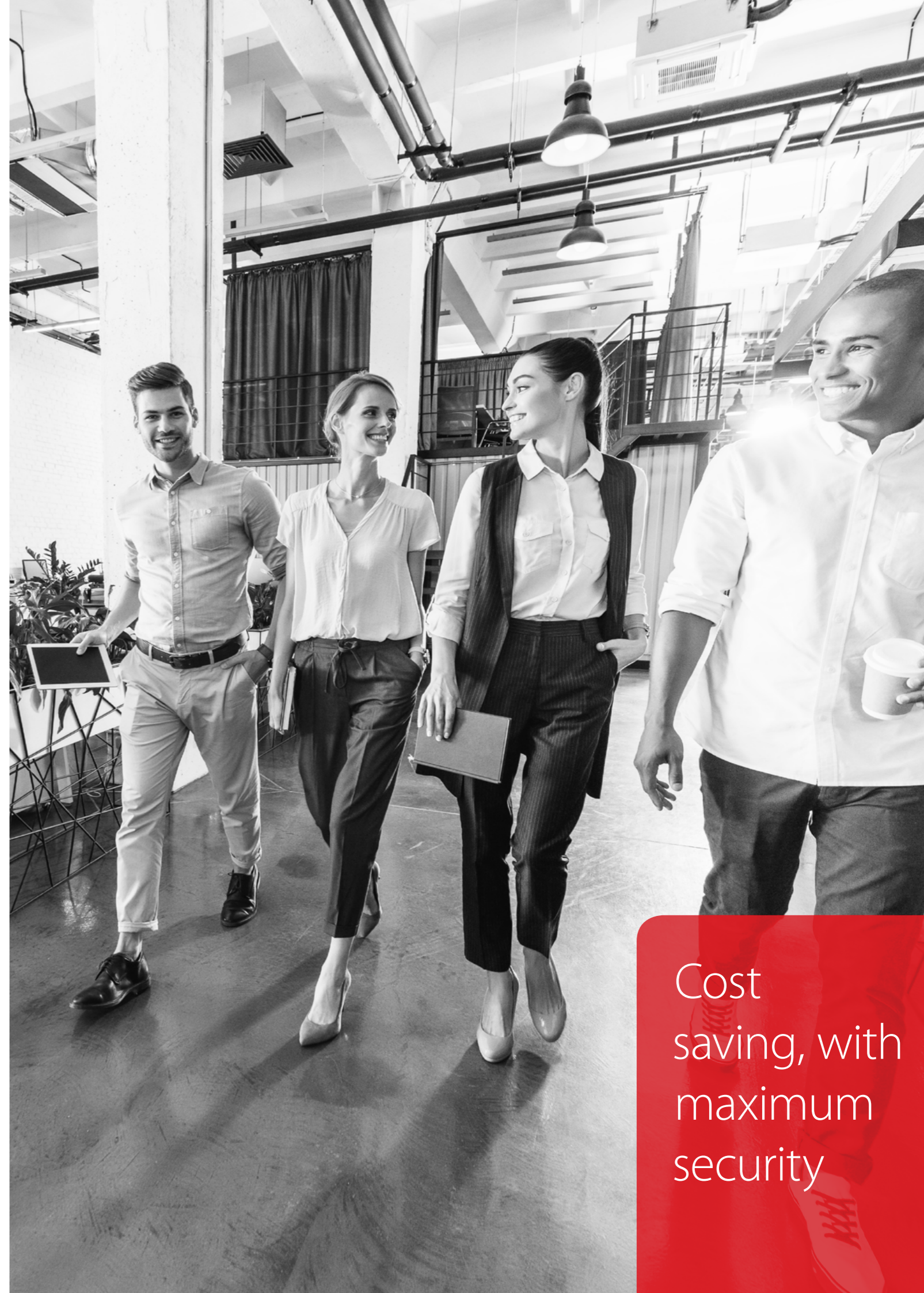
Scalability

The S-Series quickly and easily scales to meet growing business requirements, as the modular design allows for additional controllers and modules to be effortlessly added as needed.

The system also allows for extensive flexibility when undertaking an installation, as the readers can be installed up to 150m from the module, while controllers can be connected on either RS485 or TCP/IP for increased distance.

A world of choice

The S-Series offers a variety of configuration options to meet every customer's needs. The units are available in plastic housing, or pre-wired within a secure metal enclosure.

The controller has an optional LCD touchscreen with embedded software which is ideal for smaller businesses that require a stand-alone system, whilst the non-LCD version is suited to those with a computer or server infrastructure.

Cost saving, with maximum security

Access in a
BOX

Access in a Box provides all the equipment you need to quickly and easily install an access control solution, in one easy to carry box.

All you need to add is your cabling and locking accessories and you're good to go!

Control

Through Access in a Box you're able to control who can access your premises and when – no more worries about lost or copied keys. You'll also be able to access basic reports, such as who didn't come to work, or how long were they at work. Features that often were too expensive for small installations are now at your fingertips.

Prewired simplicity

The metal housing comes prewired with your cluster controller, reader module and a switch mode power supply. All you have to do is power the unit, wire up your readers and configure the system.

Secure

Access in a Box is available in standard Wiegand or our innovative S-series technology which provides enhanced security through the use of anti-cloning credentials and a secure proprietary encryption between devices.

The metal housing comes standard with a locking mechanism and built-in tamper switch. In the event of the box being opened, an automatic alert is sent by the system for immediate action. In addition, the controller and reader modules have end-of-line sensing for additional protection.

Anti-pass back

Small installations are able to enjoy the high security features of anti-pass back doors, typically restricted to enterprise users. Standard in all Access in a Box products, at no extra cost.

Convenience

Smaller installations often mean no IT department, security team, or large administration divisions to help manage an access control system. It's a tight team, juggling many tasks so convenience and quick access is imperative. With Access in a Box, authorised users are able to access the system 24 hours a day, no matter their location, simply by logging in through a web browser on their smartphone, tablet or laptop.

Access control for smaller premises

Application
CONTROLLER

The application controller is an open source Linux-based computer that brings powerful computing in a small, sleek unit.

Designed for large installations, especially multi-sites, the application controller has the capacity to manage over one million tagholders and ten million buffered transactions.

One application controller can manage a host of cluster controllers, and multiple zones, giving you a high level of flexibility and control.

The unit is also available with a touchscreen LCD.

Ready for business

The device provides developers with all the hardware required to deploy their application. Opening the box, each unit comes standard with drivers, operating system and global hardware certifications – enabling you, the developer, to focus on your business logic application.

When to use application controllers

Within larger sites, multiple application controllers are used to effectively ensure distributed control. This removes the risk of a single-point of failure, resulting in enhanced uptime.

Onboard diagnostics

The application controller includes onboard diagnostics and the unit has the ability to undertake remote firmware downloads, for greater convenience.

Security

Security is enhanced as the application controller is an independent device that replaces the previously used X86PC platform. This enables greater control over the applications installed on the device.

OEM version

The application controller is also available as an OEM version for developers to create custom software, such as time and attendance or parking solutions, with high availability and housed within a single unit.

The device includes an ethernet port, USB and RS485 port with automatic line-turnaround to allow for the control of other devices.

The full power of Debian 8 Linux is available to developers through the use of a 1GHz ARM Cortex A8 microprocessor. The application controller also comes standard with a Python 2.7 interpreter.

Third party
PRODUCTS

We offer a variety of integrated third party products, which enhance your access control system.

We understand that customers do not want multiple vendors and suppliers. Nor do you want the stress of having to integrate these products, or operate multiple systems.

Our third party products work seamlessly on Access Portal's management software, which means you have peace-of-mind and just one location to control your operation.

Biometrics

Every person has unique identifying factors and biometrics are fast becoming the must have technology in your access control solution.

We provide a variety of biometric options, from fingerprint, to hand, wave and facial recognition.

The readers can be used in conjunction with other credentials, such as a tag or card, and even PIN, for enhanced security.

Wireless locks

Increasing convenience with no strings attached, that' s our promise with our range of integrated wireless locks.

The ASSA ABLOY Aperio range of wireless locks are ideal for customers looking to get rid of keys for their interior doors, or doors that cannot utilise traditional wiring methods.

The Aperio range includes a variety of door fittings, as well as cabinet and server locks.

Long range UHF readers

Our long range readers are ideal for vehicles and people, where the entrance opens automatically as they near the facility. This distance can be from under a metre, to over 10 metres.

Great success has been achieved in residential estates, wanting to reduce queues at entrances, as well as in health facilities where no-touch is preferred.

Automatic number plate recognition (ANPR)

ANPR is becoming increasingly popular whereby the number plate is read by the device and the vehicle entrance automatically opens.

ASSA ABLOY   HID   ((|)) IDEMIA   nedap

Part
NUMBERS

Access Portal
SOFTWARE

Embedded free of charge on the cluster controller. Suitable for single sites up to 16 doors and 1,000 credential holders.

Free download from the web. Suitable for single sites with up to 100 doors and 1,000 credential holders.

Manages up to 5,000 doors and 125,000 credential holders with unrivalled features and flexibility.

SLP900

The platinum access control solution, managing 1,000,000+ credential holders, 10,000 doors and 1,000 sites.

SLP910

Access Portal
SOLUTIONS

Access in a
Box - wiegand

Solution for two doors, easily expandable up to 16 doors - using the same controller and software

HBW901

Access in a
Box, S-series

All you need for a four door, anti-cloning solution, easily expandable to 16 doors

HBS900

Wiegand
CONTROLLERS

HCW930

Wiegand

Cluster controller without LCD, one Wiegand reader module

HCW910

Wiegand
module

Single module expansion for IPS

HMW901

Wiegand
module

Single module expansion for plastic housing

HMW900

Antenna
CONTROLLERS

Antenna

Cluster controller
without LCD, one
Antenna reader
module

HML930

HCL910

**Antenna
module**

Single module
expansion for IPS

HML901

**Antenna
module**

Single module
expansion for plastic
housing

HML900

S-Series
CONTROLLERS

S-Series

Cluster controller
without LCD, one
S-Series module

HCS930

HCS910

**S-Series
module**

Single module
expansion for IPS

HMS901

**S-Series
module**

Single module
expansion for plastic
housing

HMS900

IO8
CONTROLLERS

IO8

Cluster controller
without LCD, one IO8
module

HCO930

HCO910

IO8 module

Single module
expansion for IPS

HMO901

IO8 module

Single module
expansion for
plastic housing

HMO900

Compatible
READERS

Multi discipline readers

MDR

Mullion reader
Metal enclosure
Rated IP54

HRW900

MDK

Mullion keypad reader
Metal enclosure
Rated IP54

HRW901

MDR+

Mullion reader
Metal enclosure, pigtail
Rated IP65

HRW902

MDK+

Mullion keypad reader
Metal enclosure, pigtail
Rated IP65

HRW903

MJR

Junction box reader
Plastic enclosure
Rated IP20

HRN900

MJK

Junction box keypad reader
Plastic enclosure
Rated IP20

HRK901

Wiegand readers

WMR

Metal reader
Solid zinc alloy
Rated IP53

HRW920

WMK

Metal keypad reader
Solid zinc alloy
Rated IP53

HRK920

S-series readers

SIR

Mullion reader
Plastic enclosure
Rated IP54

SIR900

Antenna readers

MHA

Metal reader
Solid zinc alloy
Rated IP53

HRL902

KHA

Metal keypad reader
Solid zinc alloy
Rated IP53

HRL906

AMR

Mullion reader
Metal enclosure
Rated IP54

HRL903

AMK

Mullion keypad reader
Metal enclosure
Rated IP54

HRL904

MMA

Micro mullion reader
Plastic enclosure

HRL900

Other
ACCESSORIES

Biometric readers

IMPRO BIOMETRIC
Biometric fingerprint reader, supporting 13.56MHz, Seos, BLE and NFC.
(Available in select countries only)

HRB910

BMTA
Biometric multi-discipline time and attendance reader
RS485 only
No relay inputs

HRB900

BMTA
Biometric multi-discipline time and attendance reader
RS485 and TCP/IP
No relay inputs

HRB901

MDTA
Multi-discipline time and attendance reader
RS485 only
No relay inputs

HRT900

XSR relay
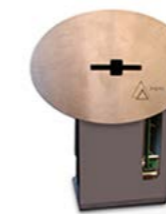S-bus relay box with one relay and two digital inputs

HSP920

RF receivers
Wiegand 433MHz RF receiver with built-in antenna and buzzer

HRR900

Enrolment reader
Reading and writing credentials to tags

HRN980

Tag retention reader
(DROP-BOX)

2 relays and 4 digital inputs

Powder coated stainless steel

HRD901

Tag retention reader
(DROP-BOX)

2 relays and 4 digital inputs

Stainless steel construction

Internal mechanism only

HRD900

Various tags available
Encrypted credit cards, key FOBs, clam shell cards, multi tech cards.

Ask your Impro sales rep to guide you