Integra access solution

KESO
ASSA ABLOY

The system that perfectly integrates all advantages

Experience a safer
and more open world

KESO:
Quality and High-Tech Made in Switzerland

Founded in 1963, KESO develops and produces the pioneering KESO locking systems in Switzerland – since 2002, KESO is under the ASSA ABLOY umbrella, the world's leading manufacturer of locking and security systems. Benefit from the comprehensive know-how from the largest group of companies in the industry, worldwide: We offer everything for optimum door safety and functionality.

The KESO Integra access solution
Our new access solution Integra is an state-of-the art access management plattform. The modular system is networked in such a way as to resemble a honeycomb structure – it includes a basic package that can always be enhanced with upgrades. With the high-end access management system KESO Integra we perfectly integrate our mechanical high security cylinders in a state-of-the art access solution.
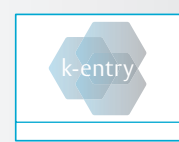
Mechanical solutions

Key-based mechatronics

Readers, fittings, digital cylinders

The KESO success story since 1963: From the mechanical to the mechatronic to the digital solution. Today, the KESO Integra access solution combines the best of all worlds.

k-entry

k-entry

k-entry

k-entry

k-entry

Management

Online

Monitoring

Virtual network

SQL applications (incl. alarm)

> 1963   >   >   > today

scalable

future-proof

individual

OFFLINE

STAND ALONE

ONLINE

secure

transparent

up-to-date

MIFARE DESfire

LEGIC advant

Flexible

modular

comprehensive

Integra access solution:
The system that perfectly integrates all advantages

KESO Integra, the access solution for today's most demanding and varied requirements: It doesn't matter whether you wish to continue using a mechanical locking system and want to extend additional areas with a modern system. Or if the needs of your organisation change and you wish to remain flexible. And also for your new buildings, which are to be equipped exclusively with a high-tech solution, Integra is the perfect system.

In contrast to purely electronic access control systems, the Integra digital system also integrates mechanical locking systems and allows to manage them within a single software. Modular in its design, the access solution can be extended indefinitely, similar to a honeycomb system, ranging from stand-alone devices to offline and online solutions. One common platform for all access solutions: the k-entry® management software.
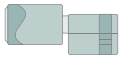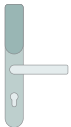
k-entry® Software

Mechanical cylinder
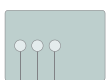
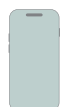Integra cylinder

Digital cylinder

Fitting

Programming device
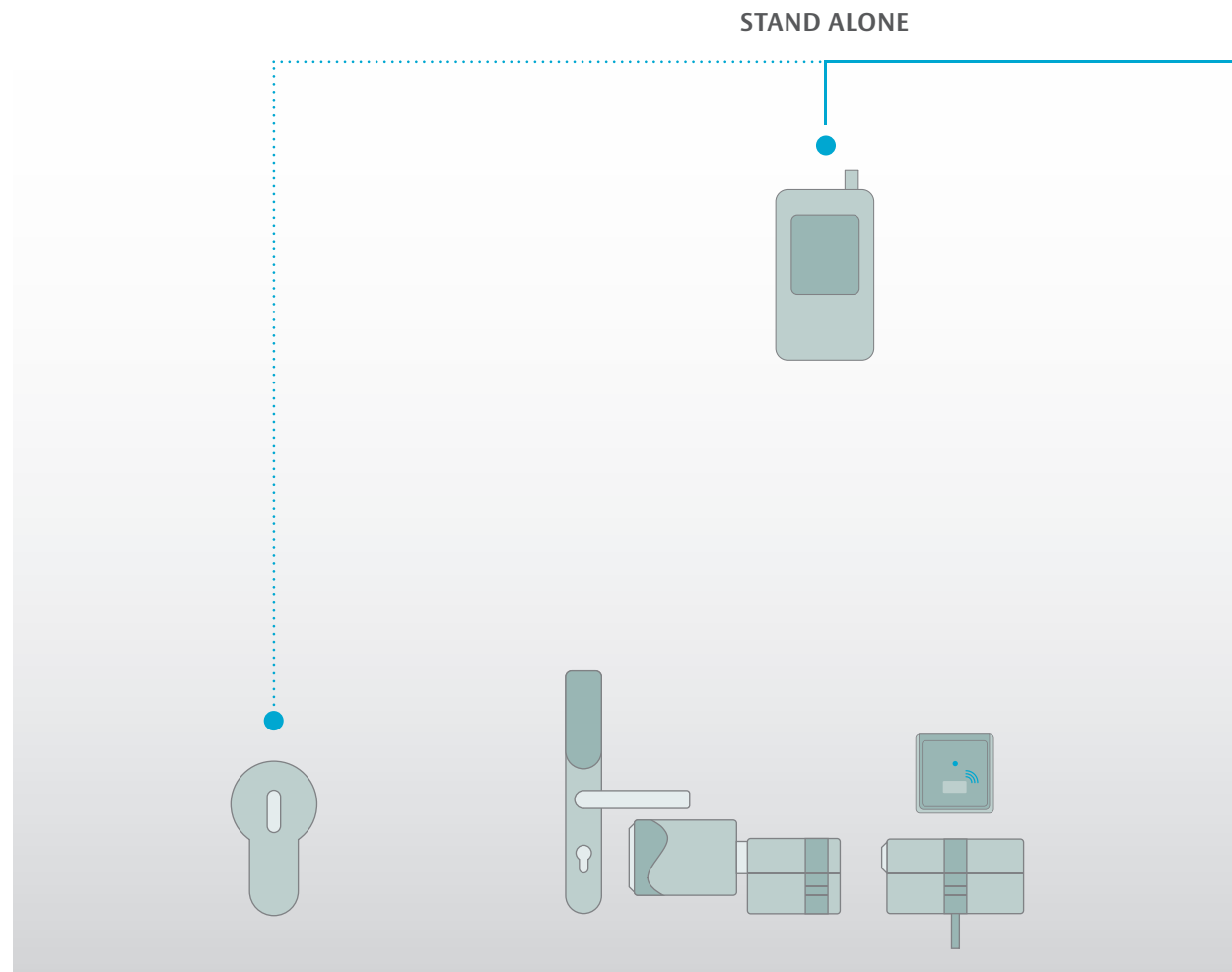
Reader

Door controller

Hub

MyIntegra App

The advantages at a glance:

· **Scalable at your convenience:**
  The basic package can be easily upgraded on an ongoing basis

· **High security and long-term investment protection:**
  Latest RFID technology with AES 128 bit encryption

· **Made to measure:**
  Individual solutions for every access situation

· **Easy integration:**
  Seamless integration in existing Master key systems or to be used for expansion of such systems by including digital components.

· **Various functional modes available:**
  From stand-alone to offline or online solutions. Or all combined in one MKS!

· **One software:**
  k-entry® forms the basis for all Integra access solutions

· **Convenient management:**
  Simple and intuitive allocation of access authorisations.

· **Flexibility:**
  Integra can be adapted to meet the individual needs of your organisation

· **High capacity:**
  Up to 10,000 users can be configured in the entire system and for each door

· **Visitor management:**
  Authorisation of individual users as well as groups is possible. Start and expiry dates can be defined individually for each medium

· **Audit trail:**
  The last 3,000 events for each door in stand-alone operation

Individually adaptable to your needs:
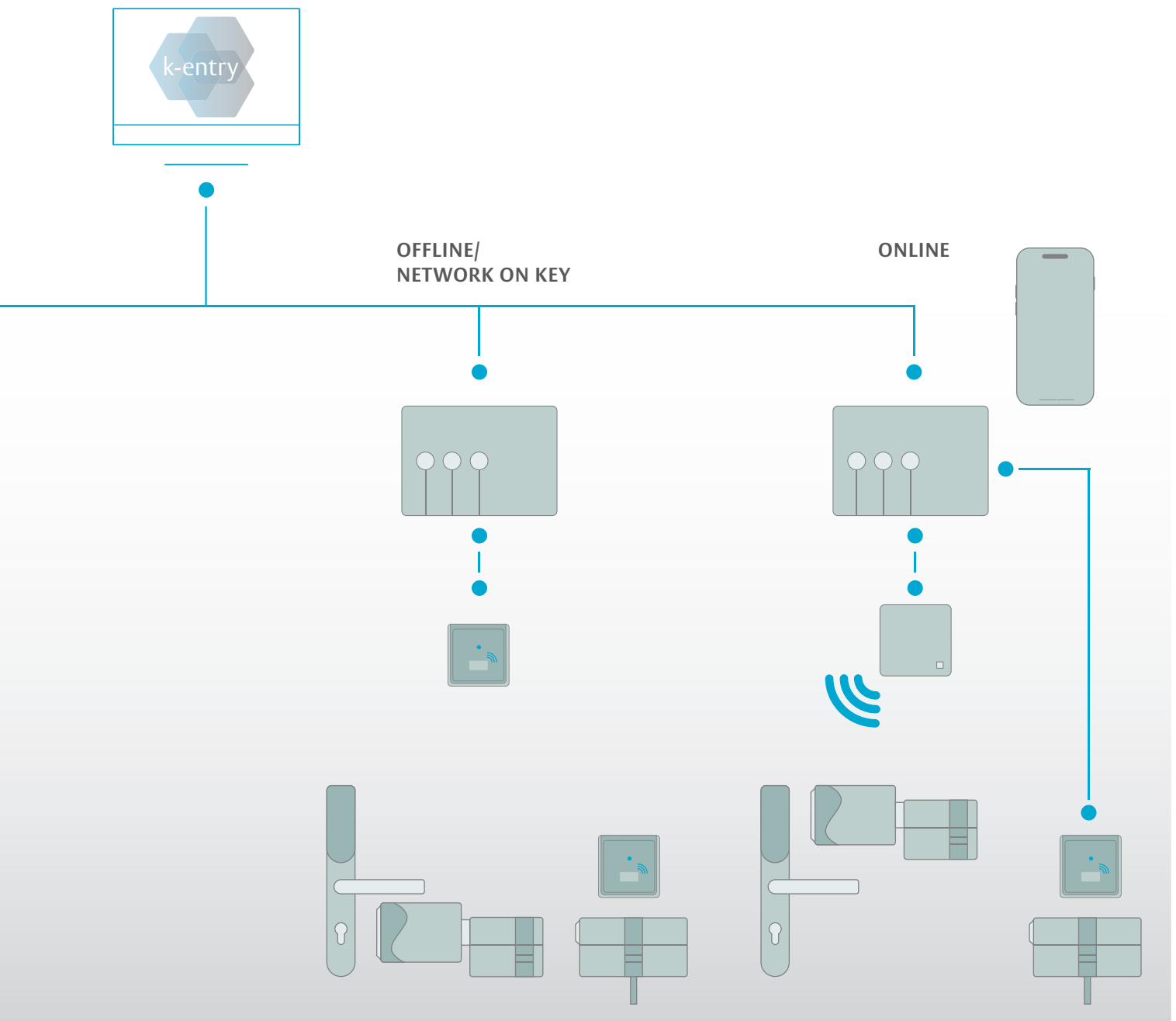## The modular, scalable Integra access solution

Integrate any mechanical, stand-alone, offline or online solution into your Integra access solution. This means you can also integrate the respective advantages of mechanical, mechatronic and electronic locking systems into one system managed by one software. This eliminates security gaps and coordination efforts. Making it easier and quicker to issue and revoke access authorisations. This saves time and money – and increases security.

STAND ALONE

Stand-alone – minimal work, big impact:

With the k-entry® software you can configure the entire access solution according to your needs. Changes can be transferred to the respective door components at any time using a programming device. The scalable system grows with your needs and may be expanded to create a complex online solution.

k-entry

**OFFLINE/
NETWORK ON KEY**

ONLINE

Offline/Network on Key –
centralised without wiring:

The virtual network enables flexible manage-
ment of the system without wiring the doors.
A change to the central management software
is communicated online to an update terminal.
When entering the building, this update terminal
automatically transfers the current permissions
to users' keys or media, which distribute the
changes on the go. Everytime they are presented
at an offline door.

Online – high-tech in real time:

You assign authorisations in the k-entry®
software. Changes are distributed online to all
door components. This convenient solution
offers optimum safety and flexibility and is ideal
for a high number of doors – because you can
control everything from one room.

The Integra cylinder:
flexible, modern and secure

The Integra cylinder combines digital access control with the field of mechanics. Equipped with the latest RFID technology and AES 128-bit encryption, it offers high security and high flexibility. It can be operated intuitively, as well as by means of the familiar mechanical cylinder. The corresponding keys are used for mechanical and mechatronic cylinders.

The Integra cylinder is the preferred choice in all general areas in which permissions on doors are constantly adapted and high security is required. It is also ideal for outdoor use, e.g. wherever greater security and time-limited access is required.

The advantages at a glance

· **Modernises existing systems:**
  Simple extension of mechanical locking systems possible

· **Highly secure even if keys are lost:**
  Keys can easily be blocked or canceled in the software

· **Completely flexible:**
  Authorisations can be adjusted at any time

· **Controlled access:**
  Periods of access can be controlled precisely

· **Completely traceable:**
  The event log displays the last accesses on the door, even the unsuccessful trials

· **High security:**
  The AES 128-bit encryption of the communication prevents unwanted tampering

· **Defined key withdrawal position:**
  Prevents key withdrawal during operation until end position is reached.

· **Modern design:**
  The cylinder design blends perfectly with the mechanical cylinder range. The external electronic unit is available in various executions, e.g. surface mounted or mortice style.

· **Fast installation:**
  Together with the compact electronic housing which is fixed to the cylinder, the installation becomes simply plug and play. No additional work needed.

Integra keys and media: award-winning, high-quality, stylish

With its award-winning, high-quality KESO design, the Integra key with Dual-Interface, for contact based Integra cylinders or for RFID controlled devices is visually appealing and available in 13 attractive colours. The latest RFID technology facilitates the secure operation and activation of all mechanical, mechatronic and digital access solutions using just one chip. In addition, the key may also be used for time tracking and cashless payments at vending machines, etc. It is also suitable for use in doors that are highly resistant to vandalism (RC3 and RC4).

The Integra digital cylinder:
extremely adaptable, easy to install

The existing cylinder may be replaced by the Integra digital cylinder without the need to modify the doors. Easy assembly and installation provide the Integra digital cylinder with virtually unlimited flexibility. This locking device is not only secure and energy-efficient, but also visually appealing, thanks to its modern design. The digital cylinder can be reprogrammed and managed simply and flexibly, and access authorisations can be adjusted as required. It can be used indoors and outdoors by virtue of its IP54 protection.

The advantages at a glance

· **Visual Feedback:**
Authorisation status immediately recognisable via the optical feedback via illuminated ring.

· **Wide range of uses:**
Suitable for fire doors up to T90

· **Control of access authorisations possible from both sides:**
Available as dual electronics

· **Simple and flexible programming options:**
From USB interface with programming device to fully networked via WLAN

· **Flexible use:**
Stand Alone- and offline capable, also online capable with Aperio

· **Fast data transfer:**
ISO 14443A compatible on LEGIC advant & MIFARE DESfire

The Integra reader:
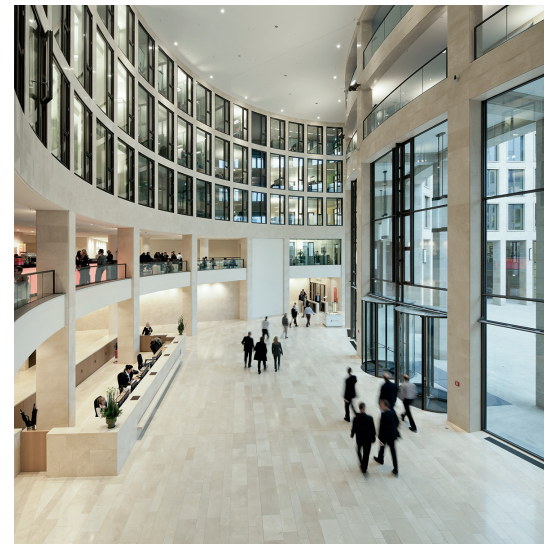## tamper-proof, attractive, efficient

The Integra reader is the ideal solution for a high and smooth flow of people. With its modern, attractive design, it can be optimally integrated into any setting. The digital control of the access solution enables the readers via encrypted data transfer. In addition, it is particularly tamper-proof, because the electronics and the reader antenna are physically separated.

The advantages at a glance

· **Optimal for any environment:**
Can be used for interior and exterior doors

· **Variety of options:**
Available as a PIN reader for greater flexibility

· **High protection against tampering:**
Electronics and readers are physically separated

· **Flexible use:**
Stand-alone, online and offline capable

· **Fast data transfer:**
ISO 14443A compatible on LEGIC advant & MIFARE DESfire

The Integra fitting:
convenient, high-quality, appropriate

The high-quality Integra fitting is compatible with all standard locks and doors, making it the ideal fitting for your digitalised access solution for indoor and outdoor use. The appealing look fits perfectly in almost any environment and perfectly matches the consistently attractive Integra design line.

The advantages at a glance

- **Optimal for any environment:**
  Version for interior and exterior doors (IP54)

- **Emergency power supply:**
  Possible with any USB-enabled device**s**

- **Ideal for tenders:**
  Complies with the EN179, EN1906, DIN18273 standards

- **Flexible use:**
  Stand Alone- and offline capable, also online capable with Aperio

- **Fast data transfer:**
  ISO 14443A compatible on LEGIC advant & MIFARE DESfire

- **For all common doors:**
  Up to 100 mm door thickness

- **Simple programming:**
  USB interface

The Integra door controller:
networked, future-proof, discreet

The Integra door controller is the invisible network in the background. Installed in a remote location in the ceiling or in a separate connection box, it works unseen in the background, networking your digital components into a future-proof online solution.

The advantages at a glance

· **Wired or wireless connection of door components:**
  Connection of up to eight door components to one door controller – wired or wireless

· **Simple and cost-efficient installation:**
  Controller can be installed via PoE
  (Power over Ethernet) as well as other peripherals

· **Easily expandable:**
  Via relay cards, e.g. for controlling lifts and lockers

· **Simple programming:**
  USB interface

An app as a digital key:
MyIntegra

Everyone will be familiar with the situation: You are on the road and making a phone call with your smartphone, then you come to a locked door in the building. Until now, this is the moment when the search for the key or badge began with the free hand.

That's all in the past: with the MyIntegra app, you have your digital key on your smartphone, always and everywhere.

With MyIntegra, users will be able to use their smartphone to open all the doors to which they have access authorisation, eliminating the need to carry one or several keys.

The advantages at a glance:

· Fewer physical keys reduce resource consumption
· Ideal for guests or service providers who can easily get temporary access
· Go through all authorised doors quickly and easily
· Highly suitable for organisations with decentralized buildings and service operations

One management software for all tasks: k-entry®

No matter which Integra access solution you choose – whether stand-alone, offline or online – the management software always remains the same: k-entry®. As with Integra, k-entry® also features a modular and fully scalable design: You can start with a basic package and cover your changing needs with upgrades.

With k-entry® you can create security and transparency within your organisation and you can easily manage your mechanical solutions via the management software. This is how you can link your existing solutions with the high-tech of today and tomorrow.

With k-entry® you may carry out authorisations in the locking plan or directly in the building plan.

The advantages at a glance

· **Tailored solutions:**
The modular structure of the management software makes it scalable, allowing upgrades to be made at any time

· **Only one software required:**
For the simultaneous management of mechanics, electronics and mechatronics

· **Easier operation and installation:**
With installation and function wizards

· **Overview building plan:**
Facilitates the adminstration of the Master Key System by visualizing installed components for every door

· **Matrix view of authorisations:**
For a clear overview of access rights of all the keys in the mechanical part of the Master Key Systems

· **Simple visitor management:**
Start and end date of media can be set individually

· **Simplified, fast and easy management and integration of extensions:**
By importing system data

The ASSA ABLOY Group is the global leader
in access solutions. Every day we help
people to feel safer and more secure
and to experience a more open world.

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