



Integra access solution

KESO
ASSA ABLOY

The system that perfectly integrates all advantages

Experience a safer
and more open world



Quality and High-Tech Made in Switzerland

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

The new KESO Integra access solution

Our new access solution Integra is a state-of-the-art digital solution. The modular system is networked like a honeycomb structure – it includes a basic package that is constantly being enhanced with upgrades. Inside the structure are the safest cylinders, which we perfectly integrate with our new access solution into a state-of-the-art system.

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

Mechanical solutions



Management

Key-based mechatronics



Online

Readers, fittings, digital cylinders



Virtual network



SQL applications (including alarm)

> 1963

>

>

> today

scalable
future-proof
individual



MIFARE DESfire
LEGIC advant

secure
transparent
up-to-date

flexible

modular

comprehensive

Integra access solution

The system that perfectly integrates all advantages

The access solution for a wide range of requirements is called Integra: It does not matter if you still want to use a mechanical locking system and want to extend the range to a modern level. Or if the needs of your organisation change and you want to stay flexible. And also for your new buildings, which are to be equipped exclusively with high-tech solutions, Integra is the perfect system.

In contrast to purely electronic access control systems, the Integra digital system also integrates mechanical locking systems and maps them in the same software. Modular in design, the access solution can be expanded indefinitely, similar to a honeycomb system – from stand-alone to offline and online. There is a basis for all access solutions: the k-entry® software. The Integra cylinder ensures maximum flexibility: a purely electronic solution without mechanical permutation.



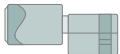
k-entry® Software



Mechanical cylinder



Integra cylinder



Digital cylinders



Fitting



Programming device



Reader



Door controller



Hub



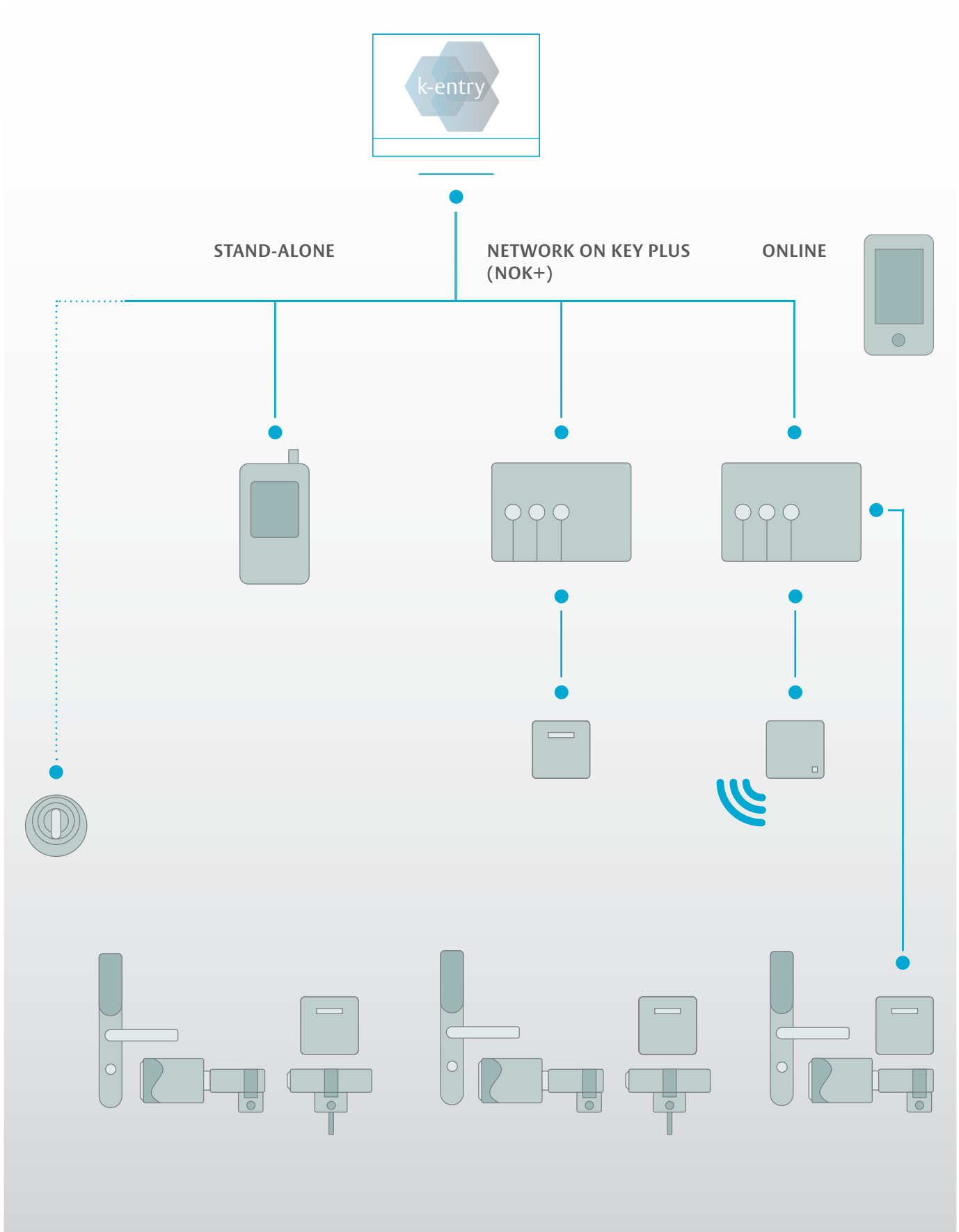
Smartphone

LEGIC



The advantages at a glance

- **Expandable at any time:**
The basic package can be easily supplemented by upgrades
- **High security and long-term investment protection:**
Latest RFID technology with AES 128 bit encoding
- **Always fits:**
Individual solutions for every access situation
- **Able to be integrated everywhere:**
Simple integration into mechanical locking systems or extension of the mechanical locking system with mechatronic components
- **Different functional possibilities:**
From stand-alone, to offline and online solutions
- **One software:**
k-entry® forms the basis for all Integra access solutions
- **Convenient management:**
Simple and intuitive allocation of access authorisations
- **Flexible system:**
Integra adapts itself individually to the needs of your organisation
- **Open upwards:**
Up to 10,000 users are in the overall system and configurable per door
- **Visitor management:**
Authorisation of individual users as well as groups possible. Start and expiration dates can be determined individually per medium
- **Traceable:**
The last 3,000 events per door in stand-alone operation



Individually adaptable to your needs:

The modular, scalable Integra access solution

You can integrate all solutions into your Integra access solution: from mechanical and stand-alone to Network on Key plus and online. This means that you can also integrate the respective advantages of mechanical, mechatronic and electronic locking systems into a system that

manages everything together. This eliminates coordination work and gaps in security, making it easier and quicker to issue and revoke locking authorisations. This saves time and money – and increases security.

Stand-alone – minimal work, big impact:

- Component programming via programming device
- Greater security through upgrading the mechanical locking system with mechatronic elements
- Suitable for small and medium-sized businesses

Network on Key plus (NOK+) – centralised without wiring:

- Simple viral data distribution of authorisations saves time
- Secure data transfer thanks to high encryption standard
- Functional reliability even in the event of a power failure due to battery-operated fittings and cylinders
- Huge time savings thanks to battery status indicators, location- and person-independent management and much more
- Suitable for administrations, public buildings or large companies
- High security in the event of media loss by defining a 24-hour validation interval

Online – high-tech in real time:

- Reduction of costs, as all Aperio cylinders and fittings can be programmed in one place
- High level of convenience for all users thanks to keyless access
- In the event of a system failure, all doors can still be accessed via emergency cards
- Authorisations, blocks and remote openings can be conveniently carried out anywhere via the app
- Suitable for highly complex building systems such as banks, museums or buildings with high security requirements



The Integra cylinder

highly flexible, state-of-the-art and highly 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 preferably used in all general areas in which permissions on doors are adapted again and again and high security is required. It is also best suited for outdoor areas, e.g. wherever higher security and a temporal limitation of access are required.



The advantages at a glance

- **Modernises existing facilities:**
Simple extension of mechanical locking systems possible
- **High security in the event of key loss:**
Keys are locked by the system
- **Completely flexible:**
Authorisation can be adjusted at any time
- **Controlled access:**
Periods of access can be controlled in a precise manner
- **Fully traceable:**
The event log displays the last accesses to the door
- **High security:**
The AES 128-bit encryption of communication prevents unwanted tampering
- **All-round talent:**
Combination with high-precision mechanism possible for the inside
- **Trigger safety:**
Prevents unwanted key withdrawal during operation of the cylinder
- **Modern design:**
New high-quality electronics housing and appealing look
- **Fast installation:**
Easy to install thanks to the fixing of electronics to the cylinder



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

The contact-based Integra key impresses visually in the award-winning, high-quality KESO design available in 13 attractive colours. The latest RFID technology enables the secure operation and activation of all mechanical, mechatronic and digital access solutions with just one chip.

In addition, the key can also be used for time recording and cashless payment at vending machines, etc. and is also suitable for use in doors with high vandalism protection (RC3 and RC4).

The Integra digital cylinder: body extremity



The existing mechanism can be replaced by the Integra digital cylinder without having to rebuild the doors. Easy assembly and installation provide the Integra digital cylinder with virtually unlimited flexibility. This locking device is not only safe and energy efficient, but also visually appealing due to its modern design.

The digital cylinder can be reprogrammed and managed in a simple and flexible way, access authorisations can be adapted to suit your needs. Thanks to its IP65 protection, it can be used indoors and outdoors.



The advantages at a glance

- **Immediately recognisable authorisation:**
Optical feedback of the access signals
- **Large application area:**
Suitable for fire doors up to T90
- **Double-sided control of access authorisations possible:**
Available as dual electronics
- **Simple and flexible programming possibilities:**
From micro USB interface with programming device to fully networked via wireless
- **Flexible use:**
Stand-alone and offline capable, also online capability with Aperio
- **Fast data transfer:**
ISO 14443A compatible with LEGIC advant & MIFARE DESfire

The Integra reader: tamper-proof, attractive, efficient



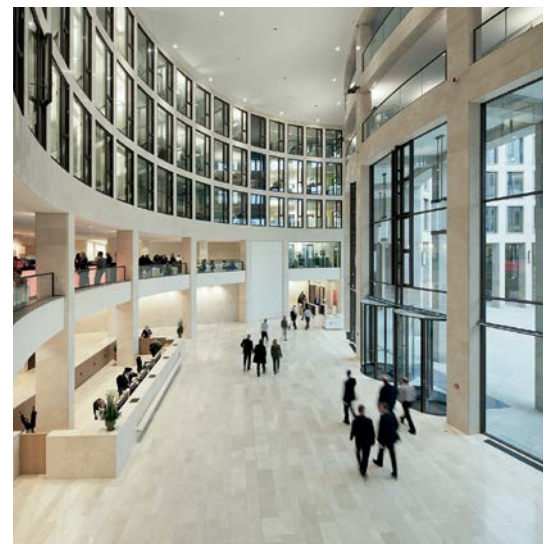
The ideal solution for a high and smooth flow of people is the Integra reader. With its modern attractive design, it can be optimally integrated into any environment. The digital control of the

access solution enables the reader via the encrypted data transfer. In addition, it is particularly tamper-proof, because the electronics and the reader are physically separated.



The advantages at a glance

- **Optimal for every environment:**
Can be used for interior and exterior doors
- **Double feedback from the reader:**
Acoustic and optical access signal
- **High security against tampering:**
Electronics and readers are physically separated
- **Flexible use:**
Stand-alone, online and offline capable
- **Fast data transfer:**
ISO 14443A compatible with LEGIC advant & MIFARE DESfire



The Integra fitting: comfortable, high quality, suitable



The high-quality Integra fitting fits all commercially available locks and in all commercial doors and is therefore the ideal fitting for your digitised 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 every environment:**
Version for interior and exterior doors (IP54)
- **Emergency power supply:**
Possible with any USB-enabled devices
- **Ideal for tenders:**
Complies with the EN179, EN1906, DIN18273 standards
- **Flexible use:**
Stand-alone and offline capable
- **Fast data transfer:**
ISO 14443A compatible with LEGIC advant & MIFARE DESfire
- **For all common doors:**
Up to 100 mm door thickness
- **Simple programming:**
Micro USB interface

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



The Integra door controller is the invisible networking in the background. Remote mounted in ceiling floors or separate junction boxes, it

controls invisibly from the background and links your digital components to a future-oriented online solution.



The advantages at a glance

- **Can be used wired or wirelessly:**
Connection of up to eight door components to just one door controller – wired or wireless
- **Simple and cost-efficient installation:**
Controller can be installed via PoE (Power over Ethernet) as well as by other peripherals
- **Easily expandable:**
Via relay cards e.g. for the control of elevators and lockers
- **Simple programming:**
USB interface





One management software for all possibilities:

k-entry®

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

With k-entry® you create security and transparency within your organisation. On the one hand, you can manage your mechanical solutions via k-entry®, and on the other, you can also manage the online solution via the app on your

smartphone or tablet. To combine your existing solutions with the high-tech for today and tomorrow.

With k-entry® you can issue authorisations in the locking plan or directly in the building plan. The contemporary, attractive design is perfected by the intuitive operation.

The user-friendly interface in different languages and the strong performance of the client server architecture facilitate the use of the dedicated management software designed for KESO products and solutions.



The advantages at a glance

- **Customised solutions:**
Due to the modular design, the management software is scalable, meaning that upgrades are possible 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
- **Building plan view:**
Facilitates the management of the locking system
- **Matrix view of authorisations:**
Improves the overview
- **Intelligent security concept:**
Enables hierarchical subdivision of administrative authorisations
- **Simple visitor management:**
Start and end date of media is individually adjustable
- **Easy, fast and simple management and integration of upgrades:**
By importing system data
- **Regular updates:**
Completes the update server for you

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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