



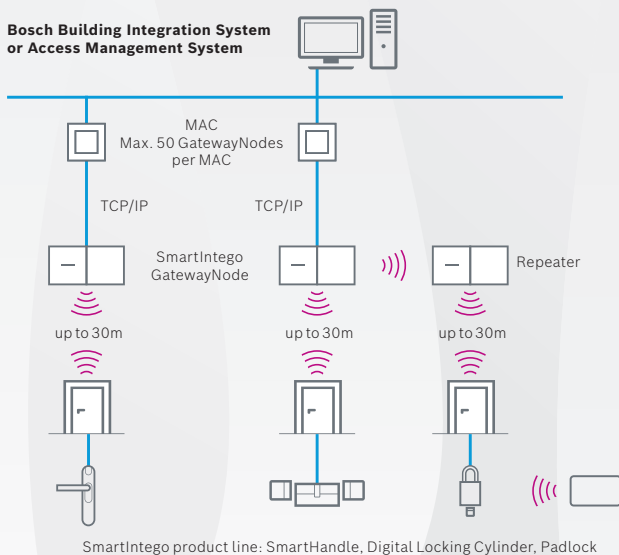
**BOSCH**

Invented for life

# Integrated Security, Safety and Access Control Solution

## IP-based wireless locking

## Bosch Security and Safety Systems and SimonsVoss



- ▶ Integration of SimonsVoss' SmartIntego digital locks with Bosch Building Integration System (BIS) and Access Management System (AMS)
- ▶ IP-based, wireless digital locking
- ▶ Cardholder management and access authorizations handled by BIS / AMS
- ▶ Encrypted communication between BIS / AMS and SmartIntego
- ▶ 868-MHz technology to ensure wide, interference-free ranges in the radio network

**SimonsVoss**  
technologies

**SMART**  
INTEGO

The integration of the Bosch Building Integration System (BIS) and Access Management System (AMS) with SimonsVoss' SmartIntego allows for an IP-based management of digital locks. The SmartIntego locks in the form of cylinders, door handles or padlocks communicate via their GatewayNodes to the BIS Access Engine (ACE) or AMS. Each GatewayNode is capable of communicating with up to 16 locking devices. The management of cardholders and access authorizations is then handled within the BIS / AMS, allowing for a fully integrated monitoring and management of all connected devices. Thanks to an AES encrypted communication and message sequencing, the connection between BIS / AMS and SmartIntego is fully secured by default. The integration of the digital locks is very straightforward as the SmartIntego configuration for all doors can be imported at once to the ACE / AMS. The digital locks themselves feature a unique mounting technology to affix them without needing to drill holes.

Furthermore, there is no need for cables to be connected or installed, as all locks are battery-operated. The digital locks can handle the transmission standards of the card formats MIFARE® Classic and MIFARE® DESFire® (CSN).

## Compatibility

SimonsVoss	Bosch Security and Safety Systems
<b>SmartIntego GatewayNode</b>	<b>Bosch Building Integration System (BIS) 4.6 and higher</b>
<b>SmartIntego Locking Cylinder</b> (CO, FD, AP, WP, DK, HZ, SL, MP)	<b>Access Management System 3.0 and higher</b>
<b>SmartIntego SmartHandle</b> (normal version and ER version)	
<b>SmartIntego Padlock</b>	



## Office buildings

Office buildings deal with a huge flow of people every day: employees enter and leave different rooms, meetings take place, and customers are invited for discussions. The SmartIntego digital locks make sure that only authorized persons are able to enter defined rooms and sections.



## Education

Colleges and schools do not only have to control the entry on the main door, but also to rooms where staff and students keep valuable school assets, confidential information or personal belongings. The digital locks serve as physical barriers to create a safe and secure environment.



## Hospitals and health care

Hospitals operate on a 24/7 basis and different groups of people such as staff, patients and visitors are constantly present. Digital locks ensure that only authorized persons can access non-public areas and rooms, which contain expensive equipment or dangerous items.

## Key features

### Electronic logbook

All transactions and events are logged continuously, are visualized in BIS / AMS and can trigger off follow-up actions.

### Remote door release

Individual locking devices can be activated centrally by BIS / AMS without a SmartCard.

### White list

Up to 250 cardholders from the BIS ACE / AMS can be stored locally within the locking device to assure access in the event of a network failure.

### Office toggle mode

Doors or groups of doors can be switched to 'open' or 'closed' for specific time frames.

### Anti-passback

To prevent unauthorized sharing of credentials, BIS / AMS checks who entered a room and only allows for re-entry if the cardholder had checked out before.

### Battery charging control

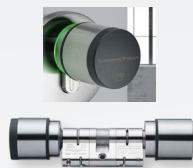
Battery status is displayed on BIS / AMS and shows a warning signal in time.

## SmartIntego system components and their benefits

The SmartIntego GatewayNode has a reach of up to 30 meters and is capable of communicating with up to 16 locking devices via an 868 MHz wireless connection.



The SmartIntego Digital Cylinder AX provides fit for purpose solutions throughout the buildings, is extremely easy to install and is equipped with BLE.



The SmartIntego Digital SmartHandle is the right choice for aesthetic surroundings.



The SmartIntego Digital Padlock protects personal belongings and is even suitable for outdoor use.



**The Bosch division Security and Safety Systems** is a leading global supplier of security, safety, and communications products, solutions and services. Protecting lives, buildings and assets is our aim. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communication of voice, sound and music complete the range. Bosch Security and Safety Systems develops and manufactures in its own plants across the world. Additional information can be accessed at [www.boschsecurity.com](http://www.boschsecurity.com)

Visit [www.ipp.boschsecurity.com](http://www.ipp.boschsecurity.com) for details on the Bosch Integration Partner Program

**SimonsVoss'** vision is to make a keyless world reality.

**SmartIntego** meets today's decision makers on eye level and answers their need for a seamless integration process. Multi-Application is the core of SmartIntego and the enabler to shift from mechanical to electronic locking systems. SimonsVoss components can be integrated on different levels, including existing databases such as access control, video surveillance, time and attendance systems, cashless vending or logical access. Various USPs such as operational efficiency, handling, design and technical assets like door monitoring make SmartIntego a future-forward solution and step towards electronic locking solutions.

Additional information can be found at [www.smartintego.com](http://www.smartintego.com)