



powered by **SALTO**

Technology



At Hager®, our goal is to always give our customers the products they need to meet and surpass the challenges they face. It's why we go the extra mile to design and manufacture innovative solutions using the latest technologies in order to meet requirements both now and in the future – whatever the market.



powered by **SALTO**

HS4 Platform

next generation keyless access control

SALTO has developed a suite of access control solutions that balance security, accessibility and value. By embedding SALTO's world class solutions into their infrastructure, owners can protect their people, assets and businesses.

Realizing tomorrow's keyless buildings today with innovative thinking and advanced technology.



Wire-free

SALTO's wire-free, read & write electronic locking solutions technology enables each door lock to communicate with a centralized database.



Design

Elegant, easy to install locking solutions that can be fitted to almost any type of door or opening.



Management

Granular management of access privileges control when and where credentials are allowed. Easily view complete audit trails without having to interrogate individual locks.

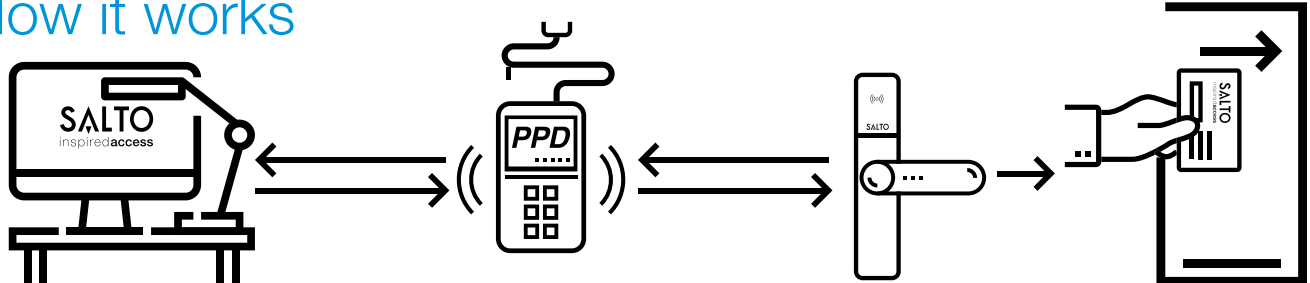


ROM

SIMPLE & SECURE SYSTEM FOR KEY MANAGEMENT

The **HS4 ROM system** provides all the benefits of a stand-alone access control system in a compact, cost effective package for user, key and door management for small installations. Through an easy to use software you can create keys, users and doors, user groups and zones, and set time periods and opening modes that instruct the door to lock or unlock automatically as needed.

How it works



ProAccess ROM

- Add or delete users
- Set up user profiles (calendars, shifts...)
- Change escutcheon opening modes
- Event audit trail
- Stand-alone locks battery status remote report

Contactless Portable Programming Device (PPD)

Each time you connect the PPD to an escutcheon, electronic cylinder or wall reader, the event audit trail and battery status will be automatically downloaded.

HS4 RFID Escutcheon / Cylinder / Wall Reader

Any changes you make such as: adding new users, deleting users, updating the escutcheons, electronic cylinders or wall reader, or collecting the event audit trail are done through its ProAccess ROM software and contactless PPD.

SVN

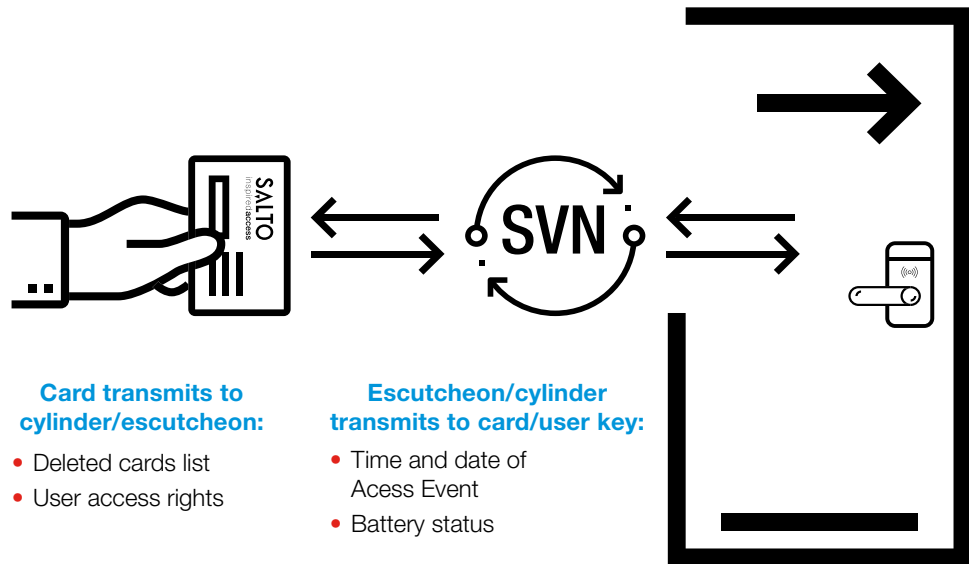
SALTO Virtual Network data-on-card

NETWORKED READ & WRITE TECHNOLOGY

The **SALTO Virtual Network (SVN)** is a data-on-card system based on a patented read/write technology. In a SVN environment, all user-related access information is stored on ID credentials, which act as carriers. In addition to updating access rights at hard-wired online access points, carriers also communicate a range of information that improves security and operational efficiencies.

Access at offline point:

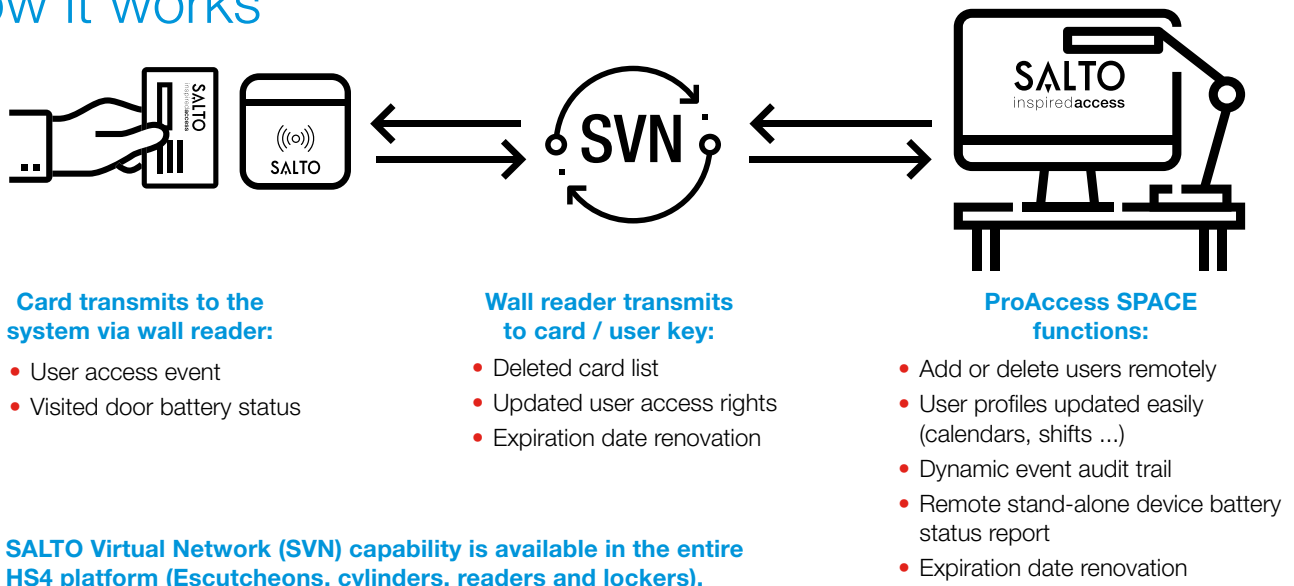
How it works



Totally wire-free and networked through SALTO Virtual Network.

Access at online point:

How it works

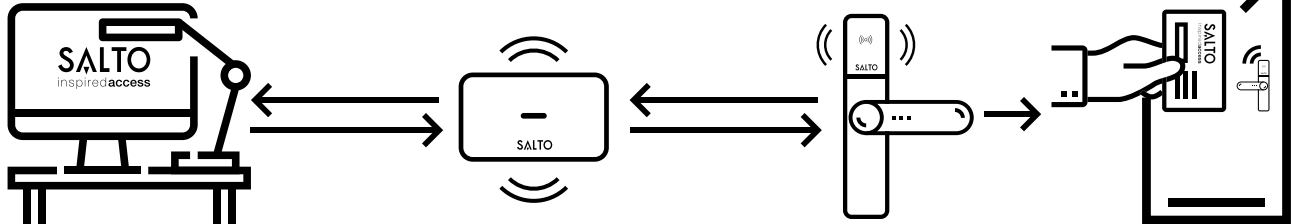




WIRELESS NETWORK ARCHITECTURE

Hager powered by Salto Wireless can function as an independent system or complement a SALTO Virtual Network (SVN) deployment and connects battery-powered electronic escutcheons and cylinders by means of radio transceivers with gateways which are connected by TCP/IP to the central management computer.

How it works



ProAccess SPACE functions:

- Access event
- Key cancellation
- Door monitoring
- Graphical mapping
- Battery status
- Remote emergency opening
- Remote emergency locking
- Opening function mode

Gateway transmits to cylinder/escutcheon:

- Deleted card list
- Updates to the escutcheon or cylinder
- Lockdown in case of emergency situation

Cylinder/escutcheon transmits to gateway:

- Access event
- Battery status
- Intrusions alarm



SHIP INTEGRATION:

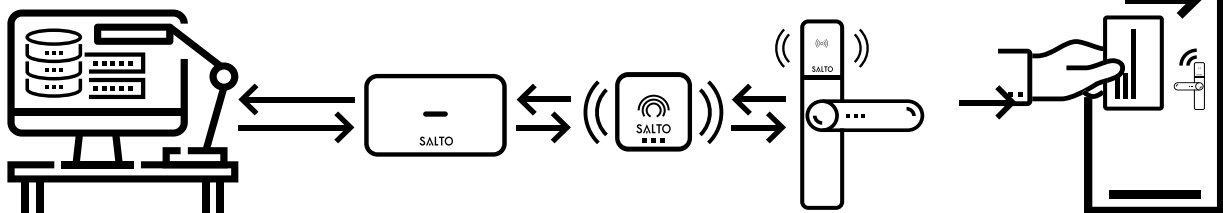
The SALTO Host Interface Protocol enables users to integrate their SALTO Access Control system with other systems i.e., CCTV, fire alarm, traditional access control, etc., all via the same software.



A NEW CONCEPT IN ACCESS CONTROL

SALLIS technology enables you to link your access control system to the SALTO SALLIS wireless platform. It provides access control system capabilities to virtually any kind of door through a simple integration and without the need for any complex and expensive wiring.

How it works



Host & database

The HOST is the access control system where the information related to access is hosted (users, time periods, calendars, etc.).

Router

The SALLIS Routers and Nodes are the link between the host and the rest of the platform and enable communication with the wireless escutcheons and cylinders.

Node

HS4 SALLIS escutcheon/cylinder

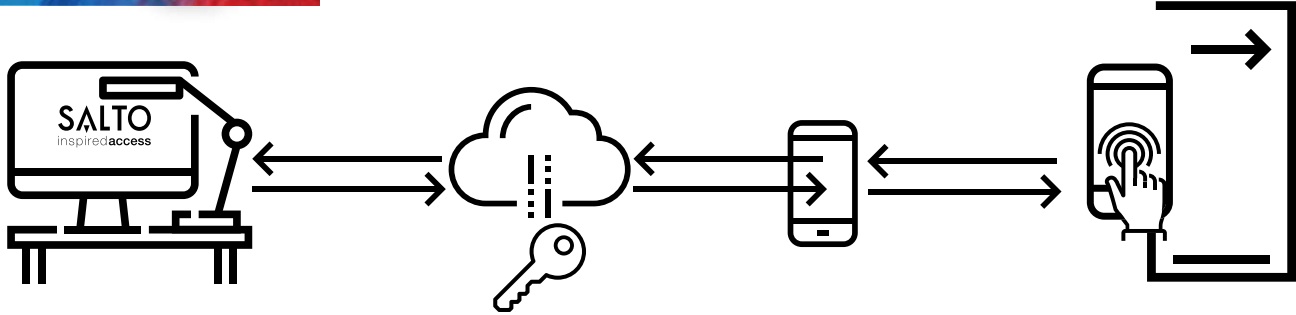
The wireless locking devices are the core of the locking system itself and enable control of doors without need for complex wiring installations.

The system consists of 4 elements that interact with each other to deliver the architecture of the system.



HS4 JustIn MOBILE BLUETOOTH

How it works



ProAccess SPACE

New access rights given by system administrator.

OTA

Users receive their keys OTA (Over the Air), anytime and anywhere at a registered and verified smartphone.

JustIN Mobile App

Users utilize their smartphones to select and open the door. All data transmission and the mobile key itself are encrypted and secured against cloning.

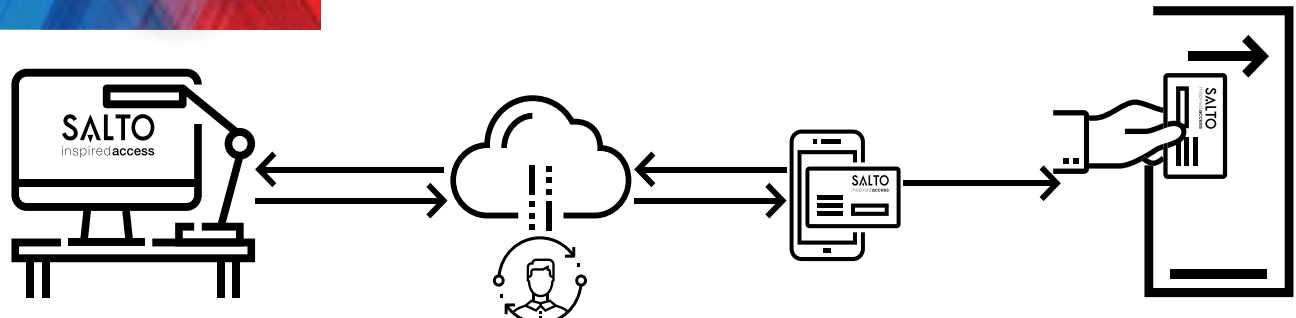
HS4 BLE-enabled standalone electronic lock

The app sends lock audit trail and low battery status monitoring for maintenance needed operations.



HS4 JustIn mSVN NFC

How it works



ProAccess SPACE

New access rights given to authorized users by system administrator.

OTA

New rights sent OTA (Over the Air) to SALTO cloud service where they are then sent to registered users' NFC-enabled smartphone.

JustIN mSVN App

User updates credential by presenting it to smartphone using JustIN mSVN app, which serves as credential update point (same as a wired wall reader).

Updated user key opens the door

User opens doors with updated access rights on the credential.

HS4 Escutcheons

Smart, secure, innovative and easy to install, the HS4 electronic escutcheon sets need no hard wiring and provide a totally wire-free networked electronic locking solution with a great range of features.



COMPATIBLE WITH:

- Hager Grade 1, Mortise Lock 3880 Series (storeroom)
- Hager Grade 1, Mortise Lock 3881 Series (storeroom with deadbolt)
- Hager Grade 1, Cylindrical Lock 3400 Series

PLATFORMS:



ID TECHNOLOGIES:

- MIFARE® (DESFire EV1, Plus, Ultralight C, Classic - ISO/IEC 14443)
- Bluetooth SMART (BLE)
- NFC
- HID iClass®

HS4 CREDENTIALS & BRACELETS:



HS4 Mini

Easy, simple and quick way to replace existing traditional knob sets, and upgrade them with a state of the art electronic access control system.



PLATFORMS:



ID TECHNOLOGIES:

- MIFARE® (DESFire EV1, Plus, Ultralight C, Classic - ISO/IEC 14443)
- Bluetooth SMART (BLE) / NFC

HS4 AElement

The minimalistic design of the RFID reader looks stylish and discreet on any door. It also offers the choice of a wide range of designer lever handles and finishes.



PLATFORMS:



ID TECHNOLOGIES:

- MIFARE® (DESFire EV1, Plus, Ultralight C, Classic - ISO/IEC 14443)
- Bluetooth SMART
- NFC

HS4 GEO Cylinders

Extensive range of wire-free, stand-alone electronic cylinders designed for doors where fitting an electronic escutcheon is not possible or required.



PLATFORMS:



ID TECHNOLOGIES:

- MIFARE® (DESFire EV1, Plus, Ultralight C, Classic - ISO/IEC 14443)
- NFC
- HID iClass®

HS4 Locker Lock

The HS4 Locker is a locker lock designed to bring all the advantages of an electronic access control for lockers and cabinets. The HS4 Locker is perfect for controlling access to lockers, cupboards, cabinets, boxes and show cases, where access control and full audit trailing are required.



PLATFORMS:



ID TECHNOLOGIES:

- MIFARE® (DESFire EV1, Plus, Ultralight C, Classic - ISO/IEC 14443)
- Bluetooth SMART (BLE) / NFC

HS4 Exit Kit

Hager powered by Salto is more than a name, it is a combination of Hager product working with Salto product. The HS4 Exit Kit allows Hager's 4500 Series exit devices to connect to Salto's escutcheon.

COMPATIBLE WITH:

- Rim
- Mortise
- Concealed Vertical Rod
- Surface Mounted Vertical Rod

HS4 Wall Readers

This wall reader has been specifically designed to fit ANSI standard electric boxes to make the installation easier.



Available in
white or black



READER PLATFORMS:



READER WITH KEYPAD PLATFORMS:



Software Features and Functions



EVENT STREAM:

The Event Stream option generates real-time notifications to third party systems. The idea is to filter the audit trail and send the selected events so that the order system can process the received information and perform a real-time action.



OPERATORS PROFILE:

Each system operator can customize the look and feel of its own GUI by pre-defining the language, which encoder is to be used, column sorting etc... allowing a more efficient multi-user environment.



SALTO MOBILE USERS:

SALTO Mobile permits registered users to use their BLE-enabled smartphone as their credential, or their NFC-enabled smartphone to serve as a remote updating point to keep their access rights always up to date. ProAccess SPACE software permits the specific selection of which mobile solution – JustIN Mobile or JustIN mSVN – is appropriate for each individual user.



LIMITED OCCUPANCY:

Using the Limited Occupancy feature, you can control the maximum number of authorized users. The system will automatically deny access once set occupancy levels are reached, re-granting access if or when the limits are reset.



ONLINE MONITORING:

SALTO ProAccess software enables you to monitor in real-time not just battery status or if an update is needed, but also who accessed what door and when, if a door has been left open, intrusions, etc. Total control, all in real-time.



GRAPHICAL MAPPING:

Graphical mapping is a visual interface that permits monitorization of users' access to online wired and wireless access points in real-time throughout the building layout.



ROLL CALL:

Through the Roll Call function, you can track where users are in different roll call areas in real-time.



LOCKDOWN:

SALTO ProAccess SPACE software enables users to make an emergency lockdown of a property in the event of a security incident.



AMOK:

SALTO AMOK electronic escutcheons have a built-in card reader on the inner escutcheon that enables users to activate the AMOK function mode in order to lockdown a room quickly. Only authorized users with AMOK privileges on their access plan can activate it.



ANTIPASSBACK:

The Antipassback feature establishes a specific sequence in which access cards must be used in order for the system to grant access.



AUTOMATIC KEY ASSIGNMENT:

Automatic key assignment is a tool that enables the encoding of key cards directly via a wall reader at the main point of access. This can be done the first time a user presents their card, saving time and the need to queue for card validation.



EVENT ENGINE:

SALTO ProAccess SPACE can now manage specific event-triggered actions and alarms. The Event Engine's intuitive wizard permits programming of any event audit trail or any event-triggered action through the CU42xxx inputs to automatically perform defined actions, such as activating CCTV recording, sending e-mail alert notifications, activating lockdown, etc.

An event can be scheduled or triggered by a user, user group or door event through an audit trail event or HS4 2.0 Controller inputs.



powered by **SALTO**

Hager Companies Corporate Office

139 Victor Street

St. Louis, MO 63104

314.772.4400 • 800.325.9995

www.hagerco.com

