Gallagher | SALTO
Wireless Access Solutions

The Gallagher and SALTO integration offers cost-effective, electronic access control through data-on-card, wireless, and Bluetooth® technology. The integration caters to sites that require some level of security and where a fully wired and monitored door isn't possible or economical.

Integration benefits:

- Efficiently manage access for short-term guests, (i.e. conference attendees), temporary staff, contractors, and students.

- Save up to 65% of a rooms electricity consumption when the SALTO in-room Energy Saving Device (ESD) is installed.

- Save cost on installation, power supply, and data cables (when not required). Perfect for locations isolated from a network connection.

- Protect the integrity of heritage listed sites, with no need for cables, the solution can be deployed in a non-invasive fashion. Security is provided without damaging historical structures.

- Request access at SALTO Bluetooth® readers using the Gallagher Mobile Connect App. A user's access is sent from the Gallagher Cloud - no need to go to a SALTO update point.
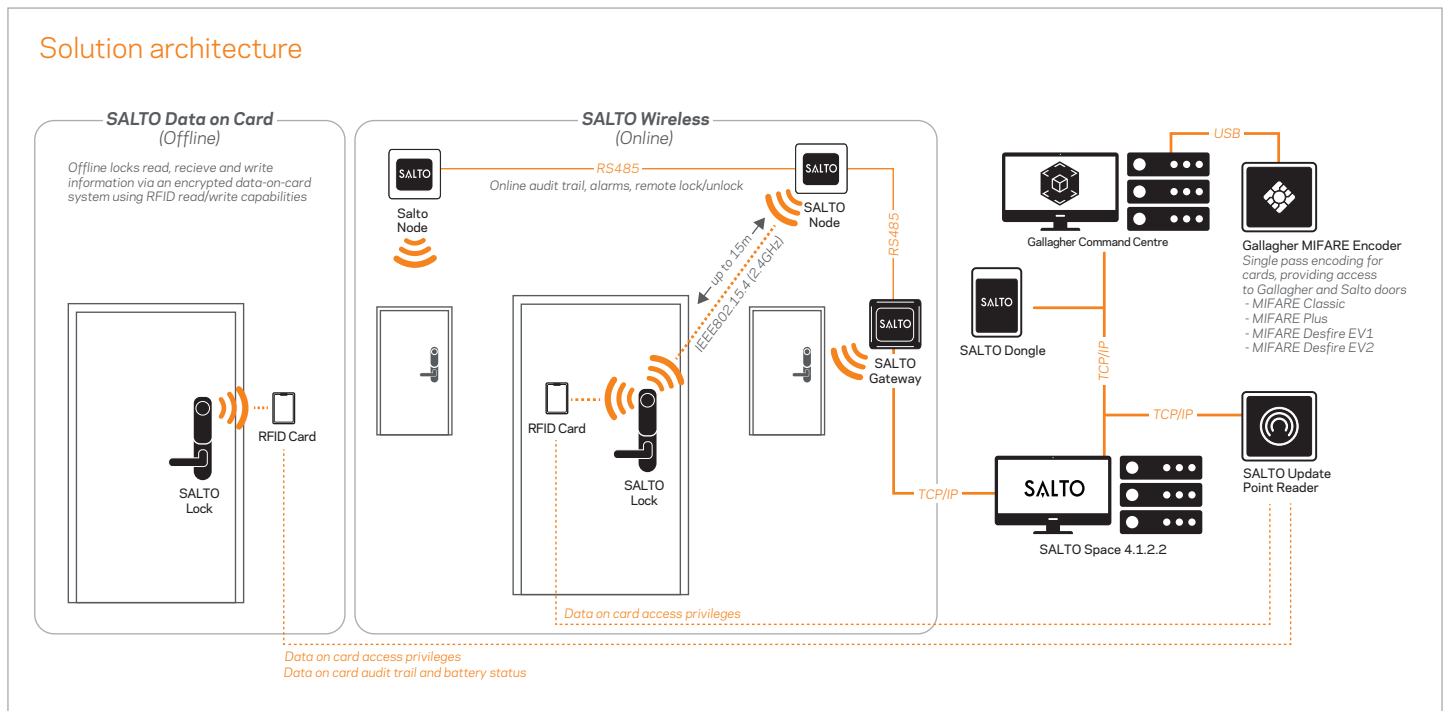
Integration features:

- Remote lock and unlock
- Emergency lockdown CCFT zone
- MIFARE® Classic, MIFARE® Plus, MIFARE® DESFire EV1/EV2, and Bluetooth® credentials
- Door status monitoring
- Enhanced battery level monitoring
- WEB client interface
- One-pass encoding of Gallagher and SALTO data on MIFARE® cards
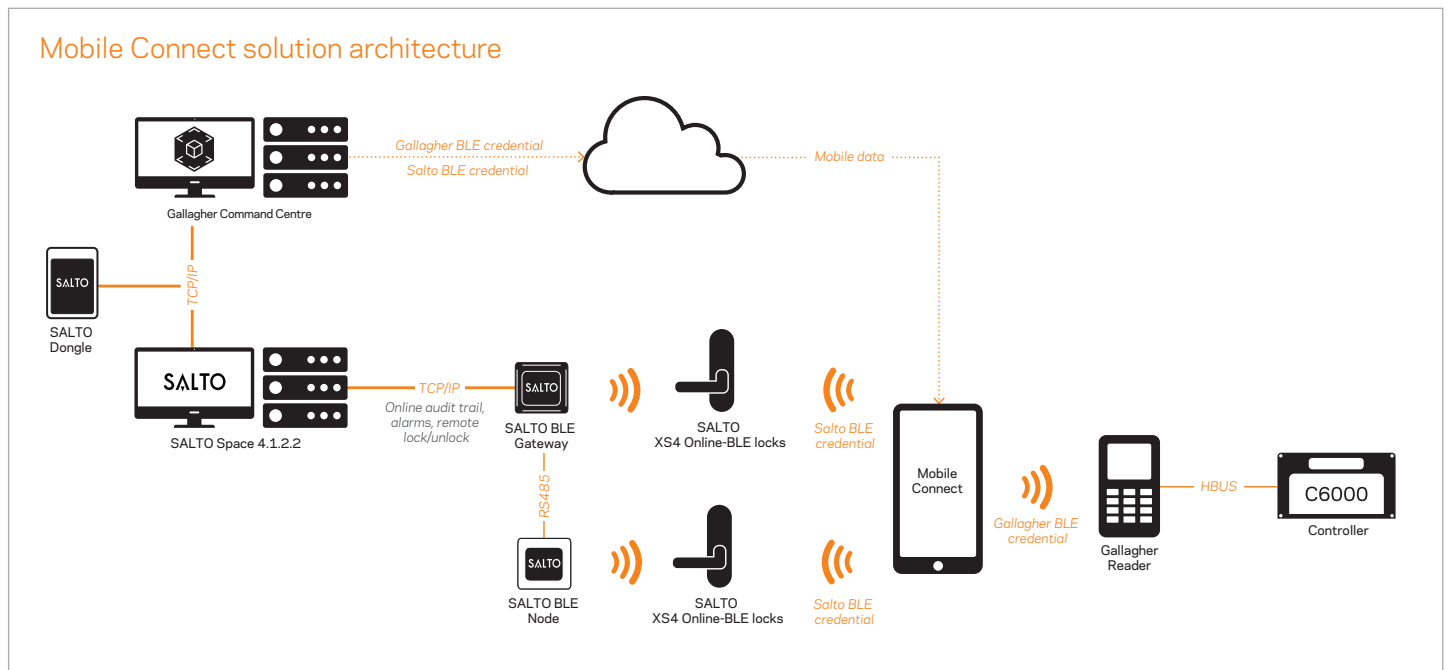- Manage on-site activity reports from within Command Centre

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How the solution works

The integration between SALTO and Gallagher ensures a wide range of wireless RFID solutions are possible, all able to make use of Command Centre's powerful reporting and access control capabilities.

Solution architecture

SALTO Data on Card (Offline)

Offline locks read, recieve and write information via an encrypted data-on-card system using RFID read/write capabilities

Salto Node

RFID Card

SALTO Lock

SALTO Wireless (Online)

Salto Node

RS485
Online audit trail, alarms, remote lock/unlock

SALTO Node

RS485

← up to 15m →
IEEE802.15.4 (2.4GHz)

RFID Card

SALTO Lock

SALTO Gateway

TCP/IP

Gallagher Command Centre

USB

Gallagher MIFARE Encoder
Single pass encoding for cards, providing access to Gallagher and Salto doors
- MIFARE Classic
- MIFARE Plus
- MIFARE Desfire EV1
- MIFARE Desfire EV2

SALTO Dongle

TCP/IP

TCP/IP

SALTO Update Point Reader

SALTO Space 4.1.2.2

Data on card access privileges

Data on card access privileges
Data on card audit trail and battery status

Mobile Connect solution architecture

Gallagher Command Centre

Gallagher BLE credential
Salto BLE credential

Mobile data

SALTO Dongle

TCP/IP

SALTO Space 4.1.2.2

TCP/IP
Online audit trail, alarms, remote lock/unlock

SALTO BLE Gateway

RS485

SALTO XS4 Online-BLE locks

Salto BLE credential

SALTO BLE Node

SALTO XS4 Online-BLE locks

Salto BLE credential

Mobile Connect

Gallagher BLE credential

Gallagher Reader

HBUS

C6000
Controller

SALTO Access Reference

Features	SALTO Access Control		
	Salto Offline (DoC)	Salto Online/Wireless	Command Centre
Real time BLE credential updates		✓***	✓
One-pass Mifare card encoding	✓	✓	✓
Management of cardholders and access	✓	✓	✓
Site activity reporting	✓	✓	✓
Centralized alarm management	✓	✓	✓
Competencies			✓
Real-time event and alarm updates		✓	✓
Evacuation reporting			✓
Site lockdown		✓**	✓
Door monitoring (forced door, door open too long)		✓*	✓
Online, automated update of door locking schedules		✓	✓
Integration of access and alarm zone status		✓	✓
Contact ID alarm reporting			✓
Operator initiated door overrides		✓**	✓
Operator initiated access mode overrides		✓**	✓
Time & Attendance reporting			✓
Multi-factor authentication at the door (Card+User PIN)			✓
Duress entry			✓
Anti-passback and anti-tailgating			✓
Challenge viewers			✓
Interlocking doors			✓
Zone counting			✓
Lift control		✓	✓
Emergency override		✓**	✓
Door Unlock Duration	✓	✓	✓
Second User Card Access (2 card entry)			✓

* Door forced alarms will only operate effectively with escutcheons using a straight through spindle.
** Supported on Command Centre v7.60 (or later)
***Supported on Command Centre v8.10 (or later)

SALTO Product Reference

Features	SALTO Model							
	XS41 Escutcheons	XS4 Escutcheons	Wired Readers	AElement	XS4 Mini Escutcheon	Lockers	Energy Saving Device	Cylinders
Mobile Connect BLE	✓	✓	✓	✓	✓			
Bluenet Wireless Gateway/Nodes	✓			✓	✓			
RF2 Gateway/Nodes		✓	n/a	✓	✓		n/a	✓
MIFARE Classic	✓	✓	✓	✓	✓	✓	✓	✓
MIFARE Plus SL3	✓	✓	✓	✓	✓	✓	✓	✓
MIFARE Desfire EV1/EV2	✓	✓	✓	✓	✓	✓	✓	✓
Battery monitoring	✓	✓	n/a	✓	✓	✓	n/a	✓
128 AES* wireless encryption	✓	✓	n/a	✓	✓	n/a	n/a	✓
Lift relay floor control			✓					
On line event monitoring	✓	✓	✓	✓	✓		✓	✓
Network offline access	✓	✓	✓	✓	✓	✓	✓	✓
Door position sensing	✓	✓	✓	✓	✓		✓	
Single keycode mode		✓	✓					

*This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (**http://www.openssl.org/**)

Supported Products

A wide range of SALTO products can be deployed easily with the Gallagher solution, a selection of supported products are displayed below. For more detail on SALTO products, please contact your nearest Gallagher representative.

XS4 Mini ANSI	XS4 Mini EURO	XS41 Escutcheon	Glass Door Escutcheon
Geo Padlock	Geo Euro Half Cylinder	Wired Reader	AElement Fusion
Portable Programming Device	CU42 Control Unit	BLE Wireless Gateway	Server Cabinet Cylinder

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