Gallagher | Aperio

Wireless Access Solutions

The Gallagher Aperio integration provides cost-effective, wireless access control for lower security doors. The Aperio integration is particularly suited to doors that require some level of security, but the cost of a fully wired and monitored door cannot be justified.

Gallagher | Aperio solution benefits

- Save cost on installation, power supply and data cables are not required, which means it is also perfect in locations isolated from a network connection (i.e. heritage buildings)

- Reduce risk and prevent liability issues by combining Command Centres ability to monitor competencies with wireless access functionality. Expired or insufficiently trained card holders will be prevented access from areas they shouldn't be in. Comprehensive audit trails are kept making all this entry/exit information available for reporting

### Gallagher | Aperio integration features

- Remote lock/unlock override
- Emergency lockdown zones
- Schedule updates with mini pole
- Door position sensing (HW dependent)
- Classic, Plus SL3 and DESFire EV1/EV2
- HID 125 kHz, iCLASS 26/8 (USA models)
- Privacy mode and override
- User PIN and keycode
- Key override taken
- Offline Smart Cache
- Aperio lock version detection

GALLAGHER

How the solution works

The integration between Aperio 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
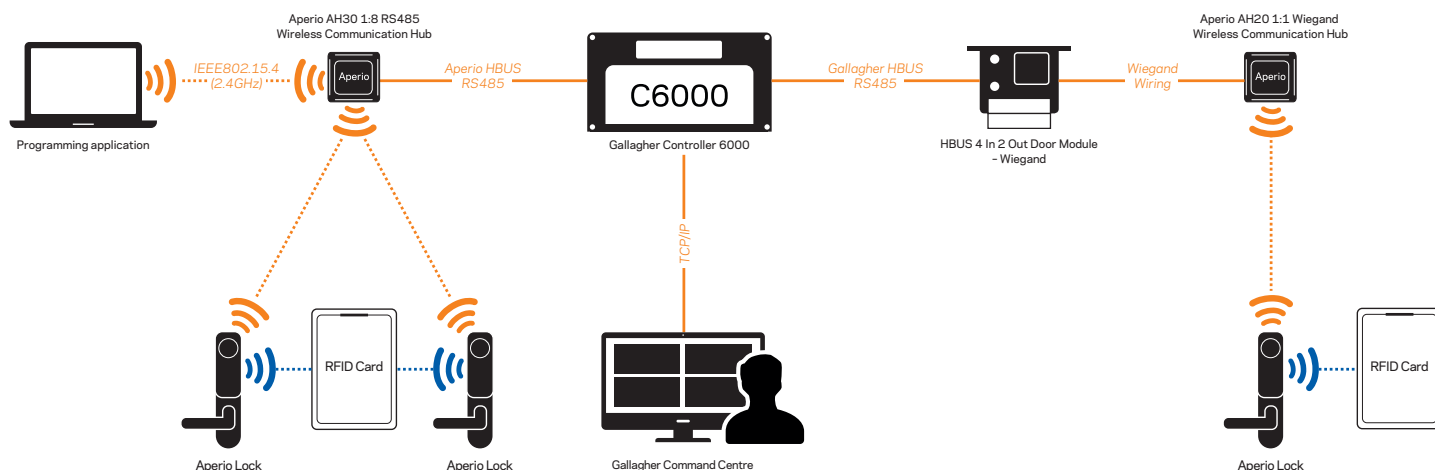
Note: A maximum of 20 Aperio readers can be connected to a Controller 6000 (up to 16 readers per Aperio RS485 bus).

Feature reference

Features	Access Control Technology		
	Aperio V2	Aperio V3	Gallagher Wired Reader
One-pass MIFARE Classic, Plus or DESFire 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	✓*	✓**	✓
Alarm zone control at the door	✓	✓	✓
Integration of access and alarm zone status*			✓
Contact ID alarm reporting			✓
Operator initiated door overrides		✓**	✓
Operator initiated access mode overrides¹	✓*	✓**	✓
Time & Attendance reporting			✓
User pin authentication only		✓**	✓
Multi-factor authentication at the door (e.g. Card+PIN)		✓**	✓
Duress entry			✓
Anti-passback and anti-tailgating			✓
Challenge viewers			✓
Interlocking doors			✓
Zone counting			✓
Lift control			✓
Emergency overide	✓	✓**	✓
Door unlock duration	✓	✓	✓
Second User Card Access (2 card entry)	✓**	✓**	✓

Note: MIFARE Classic, MIFARE Plus, MIFARE DESfire EV1 and MIFARE DESfire EV2 are registered trademarks of NXP B.V. ¹Not supported in R100

Aperio product reference

Features & compatibility	Aperio Model										
	AU100	C100/P100/H100	E100	PR100	IN100	K100	KS100	A100	L100	G100	R100
RS485 1:8 Aperio Hub	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Wiegand 1:1 Aperio Hub	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MIFARE Classic	✓	✓	✓		✓	✓	✓		✓	✓	✓
MIFARE Plus**	✓	✓	✓		✓	✓	✓		✓	✓	✓
MIFARE DESFire**	✓	✓	✓		✓	✓	✓		✓	✓	✓
iCLASS 26/8	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
HID 125 kHz**				✓	✓	✓	✓	✓		✓	✓
Battery monitoring	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Customer encryption	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Online event monitoring	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mini Pole (5-10 second)***	✓	✓	✓		✓				✓	✓	✓
Privacy override mode**					✓						
Offline memory cache***	✓		✓		✓	✓	✓		✓	✓	✓
Offline access***	✓	✓	✓		✓	✓	✓		✓	✓	
Flat battery recovery	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Door position sensing	✓			✓	✓	✓	✓	✓	✓	✓	
Keypad	✓		✓	✓					✓	✓	

*   For a door to move from Free to Secure mode in a lock down scenario, or from Secure to Free mode in a scheduled access change, the presentation of a card is required at the door

**   Requires Command Centre v7.70 (or later)

*** Requires Command Centre v7.70 and Aperio V3 FW

Supported products

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

C103 Cylinder V3

AU100 V3

KS103 V3

E100 V3

IN100 V3

H103 V3 Handle RH V3

K103 V3

R100 V3 Reader

G103 V3 Glass Door V3

AH30 Communications Hub

P103 V3 Padlock

Wireless USB Dongle

H103 USB Adapter

C867105 AH20 Standard Coummunications Hub****

C867106 - AH20 Advanced Coummunications Hub****

Note: MIFARE Classic, MIFARE Plus, MIFARE DESFire EV1 and MIFARE DESFire EV2 are registered trademarks of NXP B.V.

**** Requires Command Centre v8.30 and Aperio V3 hardware. Double card override not supported.