

Access Control Product Overview

Flexible, integrated access control solutions



security.gallagher.com

Security





The Gallagher difference

Our innovation is driven by the desire to solve problems, **meet your needs** and provide real business value.

We create and deliver access management solutions designed to protect **what's important to you**.

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Management

Complete site management

Gallagher Command Centre is a powerful operator-friendly security management system that enables you to:

- Manage cardholders, including their access, credential and photo identification
- Monitor alarms and control all system aspects
- Retrieve and report on stored system information
- Interface to and exchange information with third party systems
- Configure the site and all system components



Control

Extended control capacity

Gallagher controller devices can greatly expand the control capabilities of a security system:

- Remove the risk of one compromised connection taking down all downstream devices
- Monitor and report the state of balanced inputs
- Enforce decisions to switch output relays
- Manage multiple access points efficiently



Access

Secure access control

Gallagher's reader range provides contactless proximity card readers for access control management delivering:

- Rapid and secure access decision responses
- Support for multiple card technologies and mobile credentials
- A diverse selection of reader mounting and protection accessories





Complete site management

Gallagher Command Centre

Gallagher Command Centre is the central site management platform for the Gallagher security system. Utilizing a client server architecture, the software provides a powerful and versatile feature set, enabling system operators to configure, monitor, and control the security system.

Gallagher Command Centre can be fully customized to suit your business needs, providing:

- Site hardware and system components, including: access, intruder alarm and perimeter security fencing
- Schedules to automate access and alarm state changes. Doors may be configured as requiring credential only, credential plus PIN, dual access (two unique credentials), free access etc
- Entry and exit delays for intruder alarm zones
- Individually programmed responses for a cardholder or all members of an access group
- System division and assigned privileges to manage operators
- Communication with Gallagher Controllers with peer-to-peer communication independent of the server. This allows data to be automatically distributed to areas of the system where it is required
- Dial-up support for remote sites or off-site alarm monitoring

- Communication between Gallagher Command Centre and Gallagher Controllers using up to 256 bit AES encryption; a recognized industry leading level of data protection
- Configuration, live operation and reporting of on-site guard tours

Command Centre Web

Command Centre Web* is the latest evolution in our suite of Command Centre products. It provides the flexibility and security to easily manage your site from anywhere with an internet connection. It can be used on a PC, tablet, or mobile phone.

Command Centre Web connects back to the site's on-premise server using the API Gateway and is secured with two-factor authentication using Gallagher Mobile Connect.

This solution will evolve with our customers' needs. The first module is Cardholder Management and allows cardholder admin to be undertaken without needing a full Command Centre workstation set up. Perfect for reception, public guard stations, and anyone else who may need to perform cardholder management tasks but does not need to do other security-related tasks such as alarm management.

*Requires Command Centre v8.80+

Gallagher Mobile Solutions

The Gallagher range of mobile solutions is comprehensive, and combines the power of Command Centre with the flexibility of mobile devices. Available for both iOS and Android, the apps are downloadable from Apple App and Google Play stores.

Mobile Connect App

Securely transform your mobile device into an access card or ID card**. Harnessing the power of Bluetooth® wireless technology for iOS and Android phones, and NFC technology for Android phones, Mobile Connect allows users to request access at Gallagher, SALTO BLE*** and Aperio BLE**** readers.

Optional two-factor authentication with face ID, fingerprint or PIN lets you add an additional security step, and ensures that the person at the door is exactly who they say they are.

Access can be set up remotely (great for temporary visitors) and the easy set-up with two-step provisioning takes no time at all.

Using FIDO Certified authentication, the Gallagher platform ensures that user credentials are safe and secure using a globally recognized method of authentication.



For more information, refer to the datasheet:
Gallagher Mobile Connect App

Command Centre Mobile App

The Gallagher Command Centre Mobile App enables you to extend your security and access control and provides you with the ability to manage your security from your mobile device.

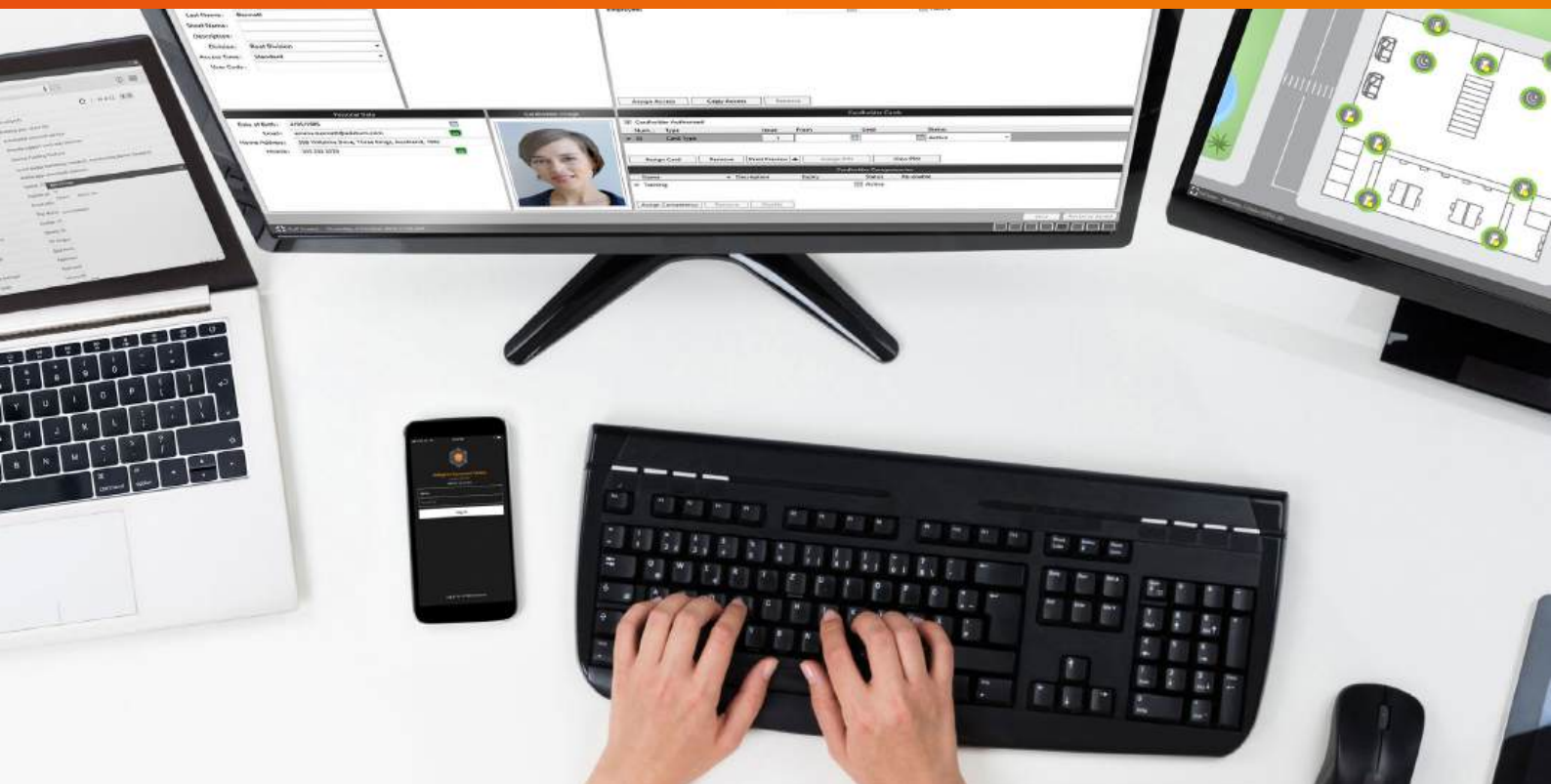
The App interfaces directly with Gallagher Command Centre, providing a secure link directly to the site management capabilities that already bring security and business efficiency to your site.



For more information, refer to the datasheet:
Command Centre Mobile App



Features and integrations



The power of Gallagher Command Centre allows extensive integration with other systems*, helping businesses to comply with a wide range of regulation standards, save money and create safe and well managed workplaces.



Interfacing Tools

Command Centre has a wide range of tools (including REST APIs) available to extend the functionality and flexibility of the Gallagher system. Integrate with other infrastructure and technologies to deliver cost and time efficiencies and improve data integrity.



Building Automation and Control

The Gallagher BACnet interface allows you to run your lighting and heating only when people are in the room. Monitor and control your HVAC (heating, ventilation and air conditioning) and other business management systems through Command Centre.



Video integrations

Integrate and monitor third party video surveillance systems through Command Centre. Equip your operators with a single system in the control room, increasing efficiencies and reducing costs.



Workforce Management

Ensure compliance to industry regulations and optimise production uptime with our full range of workforce management solutions.

Proactively: ensure people have the right certification; monitor and screen for fatigue or drug and alcohol presence; notify supervisors or restrict access where there are any anomalies.

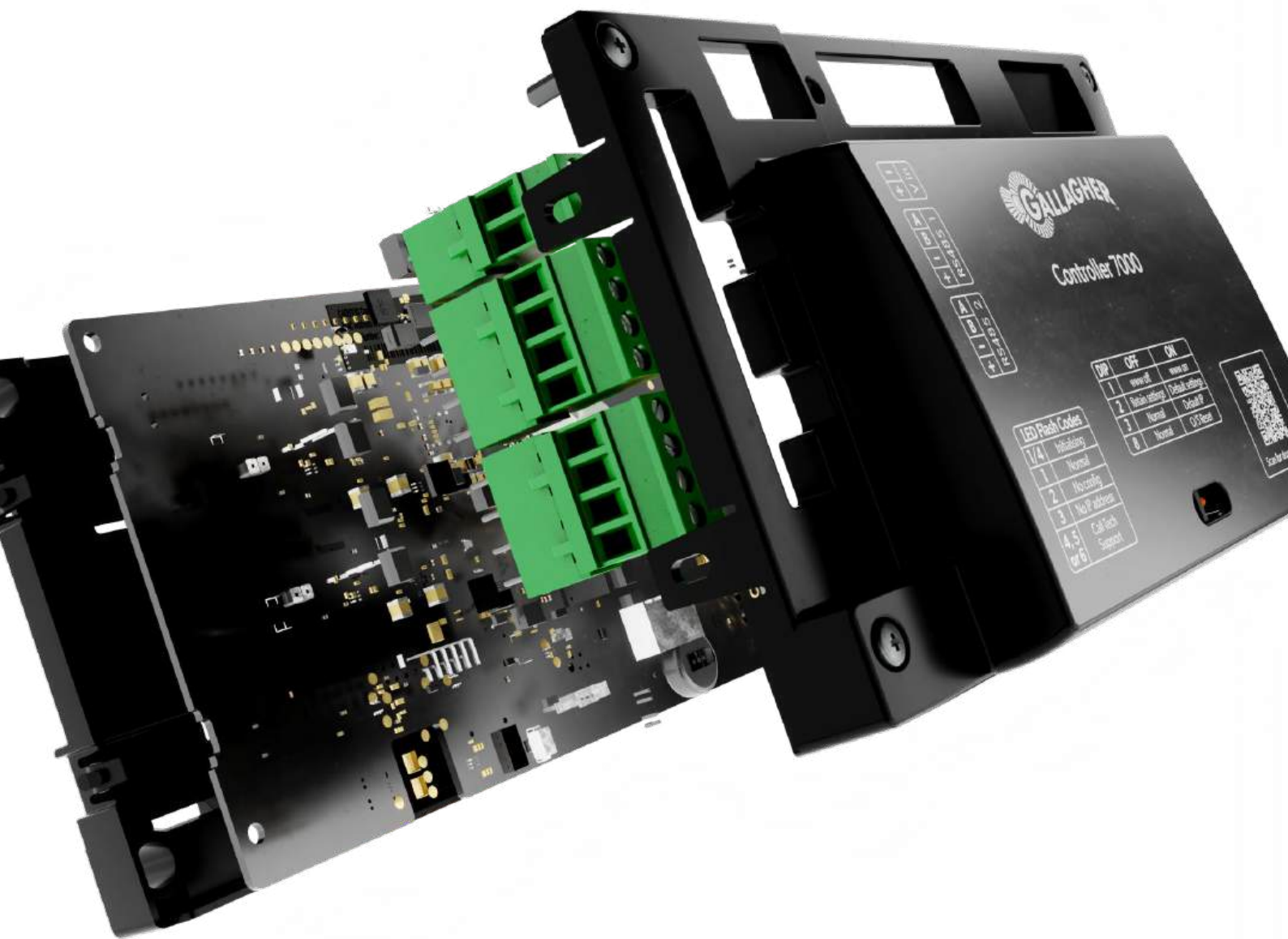


Elevator integrations

Use Command Centre and Gallagher's elevator High Level Interfaces (HLI) to control access to building floors from elevator cars.

For more information on these and other third party integrations visit: security.gallagher.com

*Some integrations require optional licenses. Contact Gallagher or a Certified Channel Partner to find out more.





Controller 7000 C400100

The Gallagher Controller 7000 introduces the next level of cyber security, seamless upgrades for existing sites and provides a platform for the future.

The C7000 Standard is an IP based controller that can manage all localized access control, intruder alarms, perimeter security, business automation and logic needs for an organization. Able to operate independently from the Command Centre server, the C7000 Standard ensures predefined responses to monitored events, site safety, and continuity. The C7000 Standard features a highly scalable system design, able to scale from single door systems to global systems with up to 10,000 controllers.

- IP based 10/100 Ethernet connectivity
- Access control support for up to 10 wired doors, with multiple readers configurable per door
- Intruder alarms monitoring and transmission to external monitoring stations
- Serverless enforcement of business policy, ensuring staff operate in a safe and secure environment - even if connection to the server is lost.
- High speed RS-485 connectivity and software updates to field devices
- Programmable controller-based logic that operates independently of the server
- Industry leading authentication and encryption between the C7000 and all Gallagher elements of the system
- Support for elevator access control
- Support for integrated perimeter security
- Support for integration directly with building management systems
- Support for multiple wiring topologies, allowing easy connectivity of existing field devices without re-wiring
- Native programming interface for integration between the controller and 3rd party systems, independent of Command Centre server connectivity
- Multiple cabinetry and powering options dependent on site requirements
- Peer-to-peer inter-controller monitoring



Controller 7000 Single Door C400011

The Controller 7000 Single Door is Gallagher's first all-encompassing solution for single door access control, providing a complete solution for adding an extra door and support for a distributed access control architecture.

The Controller 7000 Single Door (C7000 SD) is a powerful and robust network-connected controller, providing a complete and flexible solution for your business expansion. In addition to single door access control, the small but mighty C7000 SD is a lower-cost controller that can be utilized for system interfaces, alarm monitoring, perimeter security, and external device control.

The controller is designed to support a variety of infrastructure environments, whether leveraging a building's structured network cabling and providing Power over Ethernet (PoE) or providing cost effective door control with a traditional power supply and battery backup arrangement.

- Complete solution for single door access control with multiple readers.
- Full support for intruder alarms in conjunction with up to 256 HBUS IO and a Gallagher T20.
- Power over Ethernet variant connects directly to a building's structured cabling. DC power variant available for when PoE is not suitable.

- Optional PoE+ battery charging for local power backup.
- Fully authenticated and encrypted connectivity with all other Gallagher Controllers and Gallagher devices on site.
- Support for centralised or distributed building wiring topologies.
- Onboard support for 6 inputs for all power, door, and alarm sensors. Note: only five inputs available on the Wiegand variants.
- PoE can provide up to 1A to drive a lock (recommend 1A total average to allow for power spikes).
- Onboard transistor relay can drive a siren or strobe. It can also be used as a second relay output by connecting the Gallagher Controller 7000 Single Door relay board.
- On board front and rear tampers for installation outside of a cabinet.
- Mounting plates, mounting block, and DIN rail adapters are available to provide flexible options for installations.
- High speed RS-485 connectivity and software updates to downstream devices.
- Gallagher Perimeter (HBUS) technologies supported.

Controller 7000 Starter Variant CXXXXX

The Controller 7000 Starter Variant supports up to ten doors and allows a site to get up and running with access and alarms functionality. Limited to the first Gallagher Controller per site, it comes with its own Starter Kit Command Centre license. *

*Coming early 2024

For more information, refer to the datasheet:
Gallagher Controller 7000



Controller 6000 C300100

The Gallagher Controller 6000 enforces business rules, monitors the environment, communicates with other integrated systems, and makes offline access decisions.

The Gallagher Controller 6000 (C6000) is the interface between the Gallagher Command Centre Server and distributed field hardware. The C6000 is capable of processing, storing, and communicating data in real time when the Gallagher Command Centre Server is offline. The Controller 6000's straight forward system architecture provides powerful and flexible configuration options.

- Has two RS485 connections, which may be individually configured to support HBUS, GBUS, SensorBUS or Aperio™ communications
- Provides connectivity to the 4H & 8H HBUS device modules as well as 4R & 8R reader modules
- Communicates directly with other Gallagher Controllers over a LAN/WAN using TCP/IP for the purposes of monitoring, back-up and control without requiring the Gallagher Command Centre server to be online
- Provides I/O functionality via the HBUS and Reader Modules and other I/O expansion options
- Communicates via the 4H or 8H Modules with Gallagher readers using the high speed HBUS RS-485 protocol
- OSDP RS-485 reader support
- Provides onboard front and rear tamper monitoring
- Includes a USB port as an alternative to the network connection for securely loading software into the Controller
- Sends and receives events from third party systems within the C6000 using the Gallagher Controller Application



Programming Interface (API)

- Supports high level interfaces for elevator access control
- Supports the Gallagher T20 Terminal for management and operation of intruder alarm functions and Gallagher Perimeter Security Fence Controllers for integrated perimeter security.
- Supports alarm management and remote alarms transmission via multiple mediums:
 - LAN/WAN networks using TCP/IP protocol
 - Cellular networks, via cellular modem
 - PSTN Alarms, via Gallagher Dialer
- Stores up to 500,000 (standard) or 50,000 (Mobile Connect) credentials, and 80,000 events
- Controls up to 10 monitored doors
- Enables operation of integrated perimeter security, with the Gallagher T20 Terminal and Gallagher Perimeter Security Fence Controllers.
- Supports on-board controller logic with no server connection required.
- Supports automated software upgrades for all downstream connected HBUS devices.

Controller 6000 Enhanced C300101

The Controller 6000 Enhanced retains all of the functionality of the standard C6000 while providing additional features such as:

- Automated high and low temperature shutdown in extreme temperatures
- Dual ethernet ports for ethernet link redundancy

- Support for 10MB/100MB/1GB Ethernet network communications
- Dedicated encryption chip for ultra-secure encryption key storage
- Hardware watchdog relay for additional Controller system responsiveness

High Sec Controller 6000 C305101

The High Sec Controller 6000 meets and complies with Federal Information Processing Standard (FIPS) 201-2.

While offering all of the benefits of the Controller 6000 Enhanced, the High Sec Controller 6000 is also capable of performing contactless PIV smart card authentication checks. It natively enforces the revocation status of PIV smart card certificates, and performs cardholder specific access control decisions without the need for constant server connectivity.



For more information, refer to the datasheet:
Gallagher Controller 6000





Gallagher reader modules

Gallagher modules support star-wiring of other control devices, and I/O connectivity for door and equipment monitoring.



4H Module C300142 / 8H Module C300182

HBUS Modules

The 4H and 8H modules utilize the HBUS protocol which runs at speeds up to 1Mb/s - substantially faster than most other RS-485 based communication protocols. This increased communication speed improves the response time of other Gallagher HBUS devices.

Connectivity

Gallagher 8H and 4H modules allow HBUS devices to be star-wired back to a secure controller cabinet. Star-wiring removes the risk of one faulty connection taking down all downstream devices as on a daisy-chained run, and each HBUS port can also support multiple HBUS devices. Gallagher 8H and 4H modules monitor and report the state of balanced inputs, and enforce decisions to switch output relays, if required.

Data protection

All communication between the Controller and its connected HBUS devices are secured using industry leading authentication and encryption techniques. All HBUS devices maintain a heartbeat to alert the system should any device be taken offline, and to protect against a wide range of potential attack methods.

Easy retrofit

HBUS Modules are designed to run on all Controller allowing an easy retrofit of previous expansion modules.

For more information, refer to the [datasheet](#):
Gallagher HBUS Modules

4R and 8R Modules

Gallagher 4R or 8R modules can connect readers via the Wiegand protocol, or via the legacy Cardax IV protocol. The 8R reader module clips into the Controller to provide connectivity for:

- Up to 8 Gallagher readers (Cardax IV), or up to 4 Wiegand readers
- Monitoring of 24 inputs
- 8 relay outputs



4R Module C300141

8R Module C300181



Gallagher HBUS I/O devices

Gallagher HBUS I/O Devices provide flexible, cost effective, secure input and output expansion options, and shared cabling with other HBUS devices.

High speed communication

The HBUS communication protocol is based on the RS485 standard and allows each HBUS I/O Device to communicate with the Gallagher Controller over a distance of up to 500m (1640 ft.) at a speed of 1Mb/s.

HBUS Device software is automatically available with Controller software upgrades; no operator intervention is required.

Features and benefits

- Unique identities for all field devices
- Extends the connectivity of the Gallagher Controller via HBUS
- Automated device software upgrades
- T grade authentication and encryption levels to prevent data tampering
- Variable end-of-line resistance



HBUS 16 In 16 Out Board
C300688

- 16 inputs
- 16 outputs



HBUS 8 In 2 Out Door Module
C300660

- 8 inputs
- 2 outputs
- 2 doors with Gallagher HBUS readers



HBUS 8 Port Hub
C300698

- 8 downstream ports



HBUS 8 In Board
C300680

- 8 inputs



HBUS 8 In 4 Out Board
C300684

- 8 inputs
- 4 outputs



HBUS 4 In 2 Out Door Module - Wiegand
C300665

- 4 inputs
- 2 outputs
- 2 doors with 2 Wiegand readers

For more information, refer to the datasheet:
Gallagher HBUS I/O Devices

Gallagher Cabinets

Two Gallagher Cabinets are available to accommodate the Gallagher controllers and the Gallagher HBUS Module. A range of colors and power supply options are available.



Single Cabinet C200100



Dual Cabinet C200104

For more information, refer to the datasheet:
Gallagher Cabinets



Gallagher card reader

The Gallagher T-Series Reader and Terminal range provides contactless card and mobile credential readers for access control management as part of the Gallagher site management platform.

Secure, high speed access readers

- High speed RS485 protocol, HBUS, offers an access decision response time of 200 milliseconds
- Unparalleled reader security through IT grade authentication and encryption between the reader and controller with HBUS
- Support for multiple card technologies including: MIFARE®, MIFARE DESFire EV1® and MIFARE DESFire EV2®, MIFARE Plus® and MIFARE Classic®, as well as 125 kHz proximity and Bluetooth® wireless

technology (Multi technology readers only)

- Unrivalled reader durability and water/dust protection
- Environmentally friendly - RoHS compliant and designed for minimal power consumption
- Support for custom site encryption keys
- Heartbeat monitoring to ensure reader status can be monitored in real time
- Extensive range of reader mounting and protection accessories

*MIFARE Classic, MIFARE Plus, MIFARE DESfire EV1 and MIFARE DESfire EV2 are registered trademarks of NXP B.V.

T20 Terminal C300450

- Display company logo's, promotional imagery, and messaging, and enforce cardholder competencies through message display.
- Card Only and Card + PIN access modes (including duress access support, and dual cardholder authentication).
- Control Outputs to manage building facilities.
- Arm and disarm up to 50 alarm zones distributed across any system controllers, with optional automated input isolation, and automated alarms acknowledgment.
- Display up to 200 unacknowledged alarms and 100 acknowledged alarms, and manage up to 100 inputs. An alarms only variant is available (The T20 Alarms Terminal- C300463) when reader capability

is not required.

- Maintain system integrity with scheduled or manual tests.
- IP66 rated environmental protection, and IK08 rated impact protection.
- Extensive perimeter management functions.
- Multiple language support.
- Integrated rear tamper.
- Fully configurable Mimic Panel.
- Software upgradeable in situ.



T30 Keypad Reader C300495

- Protection from the elements, with an environmental protection rating of IP68
- Supports Gallagher Mobile Connect
- A dedicated arming key with Alarm Zone status indication

- Surface and flush box mounting options
- IK09 impact protection rating



T-Series Reader range

- Contemporary design - classic black and white, with both mullion or flushbox mounting variants
- IP68 environmental protection and IK07 for impact protection
- Configurable illumination and sound; where visual or audible indications may cause distraction
- Limited Lifetime Warranty



T12
C300440

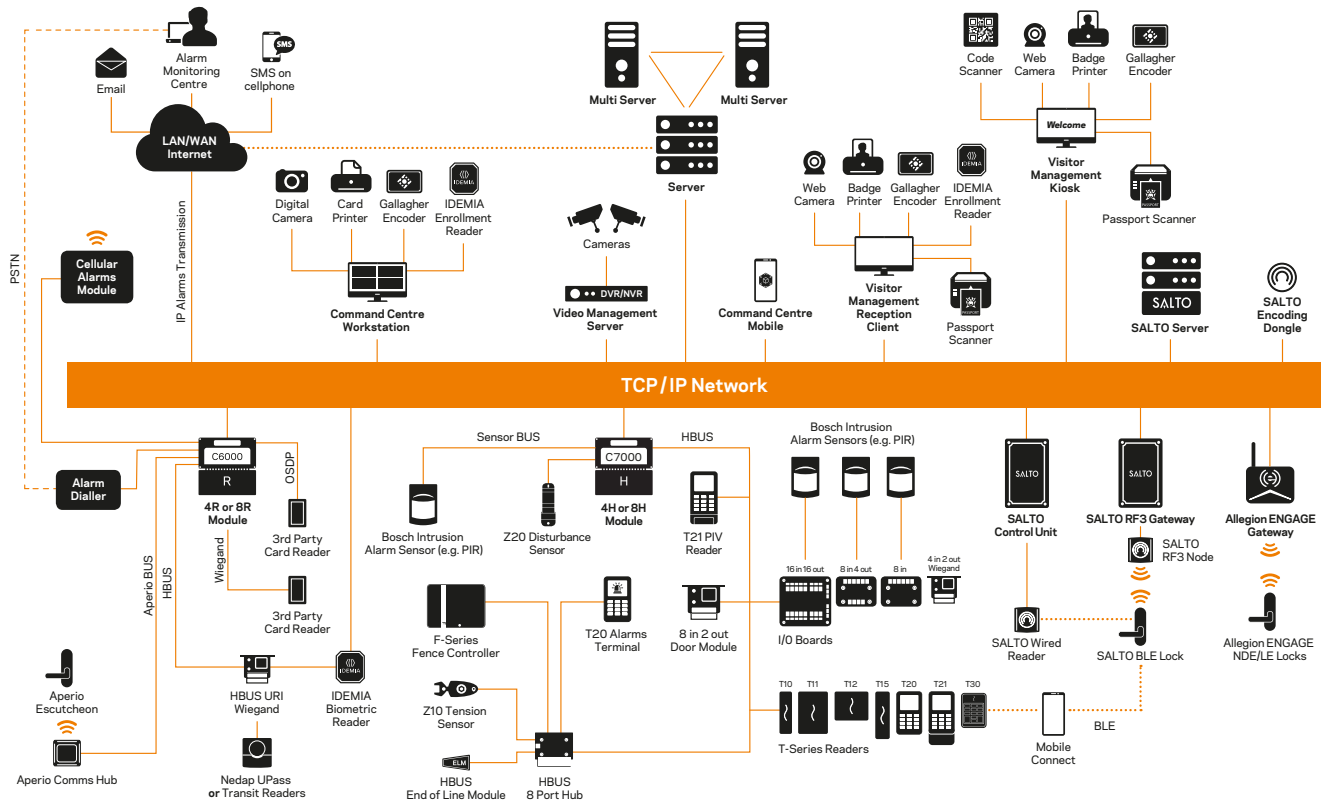
T11
C300430

T10
C300400

T15
C300480

System architecture

Gallagher delivers a complete access control platform with a product architecture that extends from powerful software to robust and reliable hardware. Connected via information networks, all components synergize to provide any site with a scalable security solution that is consistently effective.



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