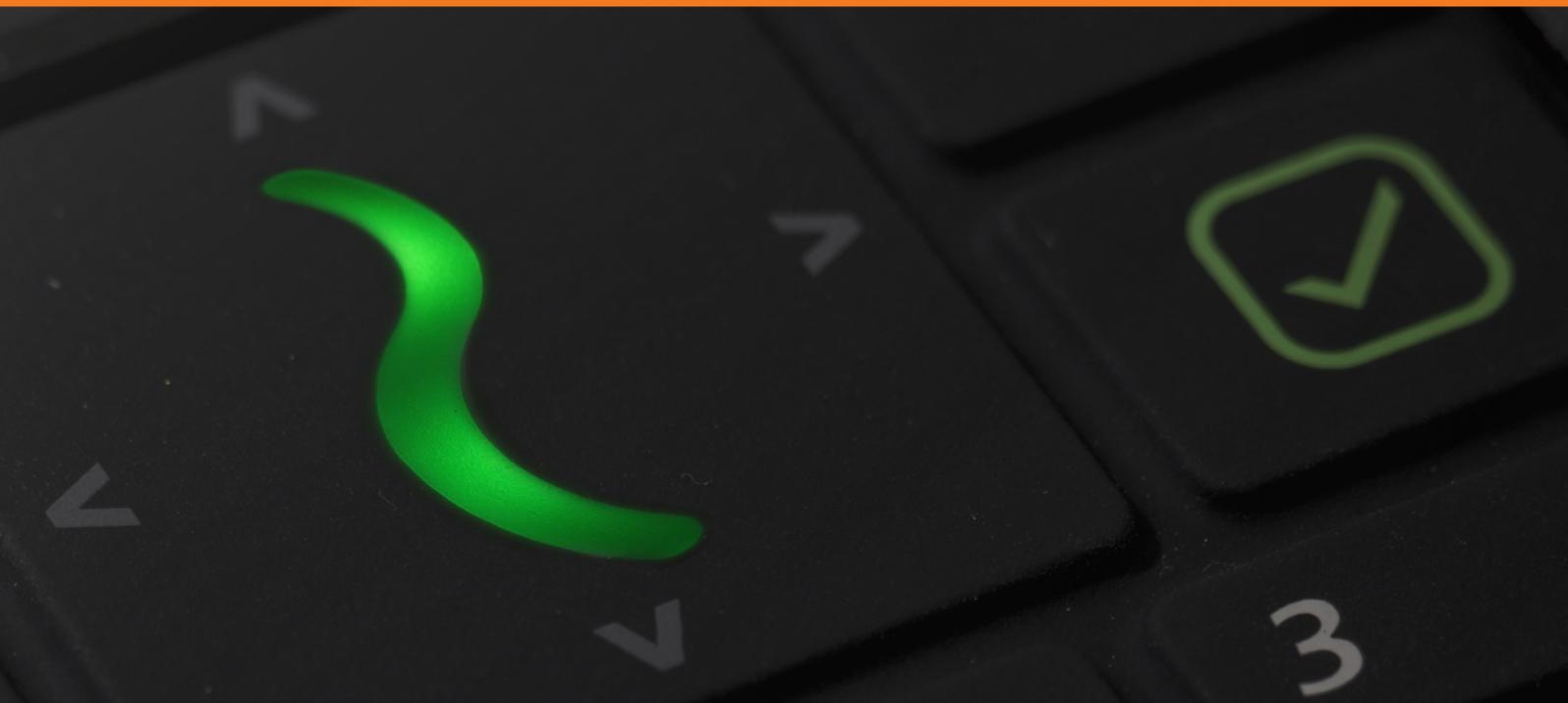


Access Control Product Overview

Flexible, integrated access
control solutions

security.gallagher.com





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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Access Control Solutions



Management

Complete Site Management

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

- Manage cardholders, including their access, cards 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
- A diverse selection of reader mounting and protection accessories

Complete Site Management



For more information refer to datasheet: Gallagher Command Centre

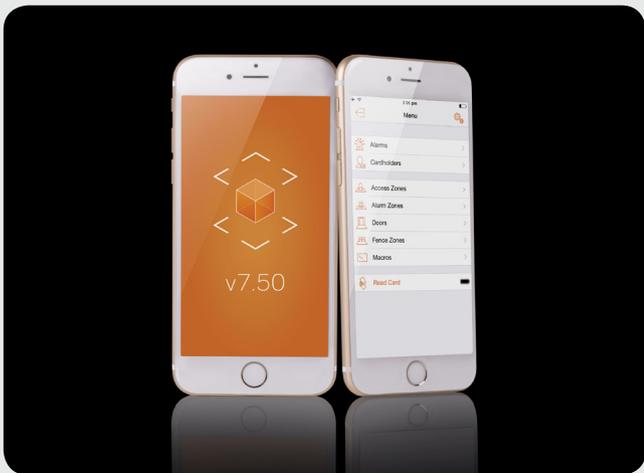


Gallagher Command Centre

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 card only, card plus PIN, dual access (two unique cards), 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



For more information on Command Centre Mobile app, visit our website: security.gallagher.com

Command Centre Mobile App

The Gallagher Command Centre Mobile App enables you to extend your security and access control directly to where you need it.

Downloadable from the Apple App and Google Play stores, this software provides you with the ability to manage your security from your mobile device.

The Mobile 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.

iOS and Android

The Mobile App is available on both iOS (8.0 +) and Android devices (5.0 +). The optional products such as the Mobile Reader and Access Reader feature are only available on iOS.

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*.



Visitor Management Web Service C12671

Impress your visitors and give them a professional greeting with Gallagher's visitor management system. The Visitor Management Web Service supports pre-registration, saving time by ensuring smooth processing upon arrival at reception.



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.



Cardholder Display C12599

Understand why cardholders are denied access, on the spot. Arm your people with the information they need to proactively manage their access on site by using the display to communicate any upcoming card or competency expiries.



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 our integrations visit: security.gallagher.com



Building Automation and Control C12689

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.

*More information on other third party integrations is available from security.gallagher.com. Some integrations require optional licenses.

Gallagher Controllers



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 AperiioTM 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
- Provides onboard front and rear tamper monitoring
- Provides a cost-effective approach to engineering a Gallagher system through its modular design

- 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 cardholders and 80,000 events
- Controls up to 10 monitored doors/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.

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



Controller 6000 HS (High Spec) C300101

The Controller 6000 High Spec 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

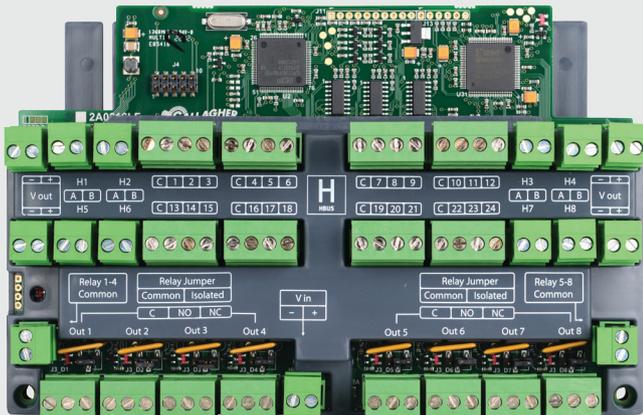


Controller 6000 PIV (Personal Identity Verification) C305101

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

While offering all of the benefits of the Controller 6000 High Spec, the Controller 6000 PIV 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.

Gallagher Reader Modules



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

8H Module C300182

4H Module C300142

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 6000 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 6000s, 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 accept connectivity via the Wiegand protocol (AND Cardax IV) from devices communicating with this protocol. The 8R reader module clips into the Controller 6000 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 C6000 Controller over a distance of up to 500m (1640 ft.) at a speed of 1Mb/s.

HBUS Device software is automatically available with Controller 6000 software upgrades; no operator intervention is required.

Features and benefits

- Unique identities for all field devices
- Extends the connectivity of the Gallagher C6000 via HBUS
- Automated device software upgrades
- IT 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.
- 4 HBUS readers or HBUS terminals.



HBUS 8 In Board C300680

- 8 inputs.



HBUS 8 In 4 Out Board C300684

- 8 inputs.
- 4 outputs.

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

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.

For more information, refer to the datasheet:
Gallagher Cabinets.



Single Cabinet
C200100



Dual Cabinet
C200104

Gallagher Card Readers



The Gallagher T-Series Reader and Terminal range provides contactless card 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 DESFire EV1, Plus and Classic, as well as 125 kHz proximity technology (T20,T12 and T11 multi technology readers only)
- Unrivaled reader durability and water/dust protection
- Environmentally friendly - RoHS compliant and designed for minimal power consumption
- Backwards compatibility - the readers are compatible with Cardax IV enabled Gallagher Controllers and GBUS URI hardware
- 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

T20 Terminal C300450

- Contemporary and intuitive user interface, with a 3.5" color LED screen and large backlit keys
- IP66 rated environmental protection, and IK08 rated impact protection
- Card Only and Card + PIN access modes (including duress access support, and dual cardholder authentication)
- Enforce cardholder compliance with entry regulations through competency message display
- 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
- Maintain system integrity with scheduled or manual tests
- Extensive perimeter management functions, including arming and disarming zones, acknowledging alarms, fence zone lockout for maintenance, and displaying fence voltage, battery voltage and fence controller temperature.
- Multiple language support
- Integrated rear tamper
- Custom background images when in idle mode
- Fully configurable Mimic Panel reflecting the status of up to 8 inputs, outputs, or alarm zones
- Upgrade software in situ to keep your system up to date with latest technology (via HBUS)

For more information, refer to the datasheet:
Gallagher T20 Terminal.

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



T10 Reader
C300400

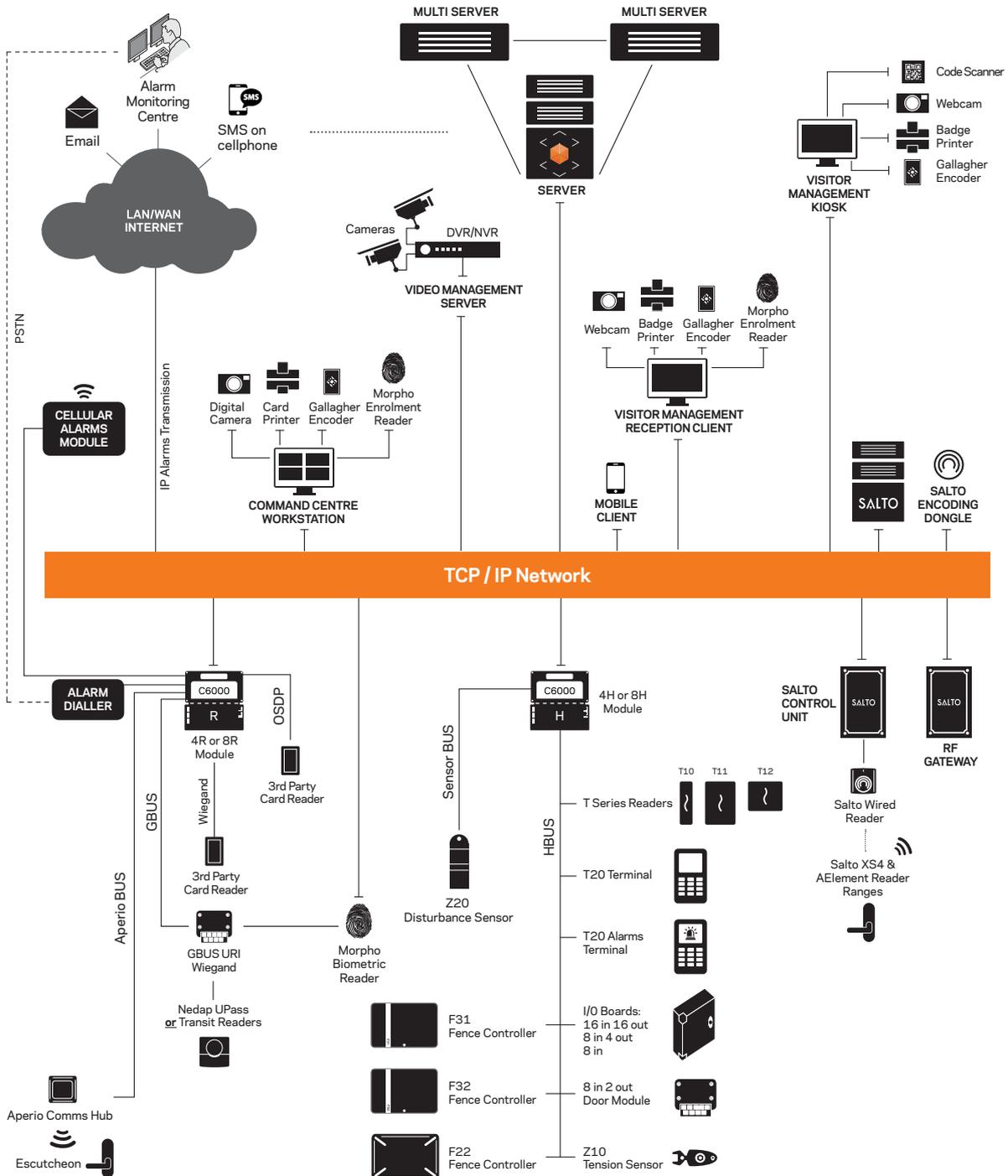
T11 Reader
C300410

T12 Reader
C300420

For more information, refer to the datasheet:
Gallagher T-Series Readers.

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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