

# PIV Solution

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High Security  
Physical Access Control

[security.gallagher.com](http://security.gallagher.com)





# The Highest Standard

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The Gallagher PIV Solution is a physical access control system offering world class security to federal agencies and their contractors.

Fully compliant with the Personal Identity Verification (PIV) requirements of the FIPS 201-2 standard.

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# Gallagher's PIV Solution



The Gallagher PIV Solution delivers exceptional security and the fastest form of authentication for US Federal Government customers.

## High security experience

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Gallagher has more than 30 years' experience in the security market. Leveraging its strength in research, design, and development, the privately owned and operated company is the global expert in manufacturing integrated access control, perimeter, alarms, and business management systems.

With 15% of revenue reinvested annually into R&D, the software innovation is influenced by customers' requests. This ensures that Gallagher's customer centric value is at the forefront of product design along with a lifetime guarantee demonstrating its commitment to quality.

Gallagher's security solutions are utilized in more than 100 countries around the world, and are employed in all major industries, including education, ports and airports, military and defense, critical infrastructure, mining, corrections, finance, entertainment, and healthcare.

Its comprehensive security and business risk management solutions provide protection for large and small organizations, addressing the key issues of security and risk management, personnel workflow, and business continuity.

**U.S. national headquarters are in Kansas City, MO.**

## A complete PIV solution

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Easily meet the FIPS 201-2 requirements with one smart central management platform. Save costs on new installations and reduce your network footprint from the first manufacturer to remove the need for separate PIV authentication hardware. Streamline disparate and complex systems with the strongest form of contactless verification and fastest PKI available to Federal users. Your users will enjoy efficient access across your organization with their issued PIV credentials.

Gallagher Command Centre delivers an enterprise grade Physical Access Control System (PACS), offering strong, real-time authentication of PIV, PIV-I and CAC cards.

## Specialist installers

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We maintain a certification system for select security industry partners to ensure our products are deployed correctly, and we work closely with them to ensure that they deliver you the perfect solution.

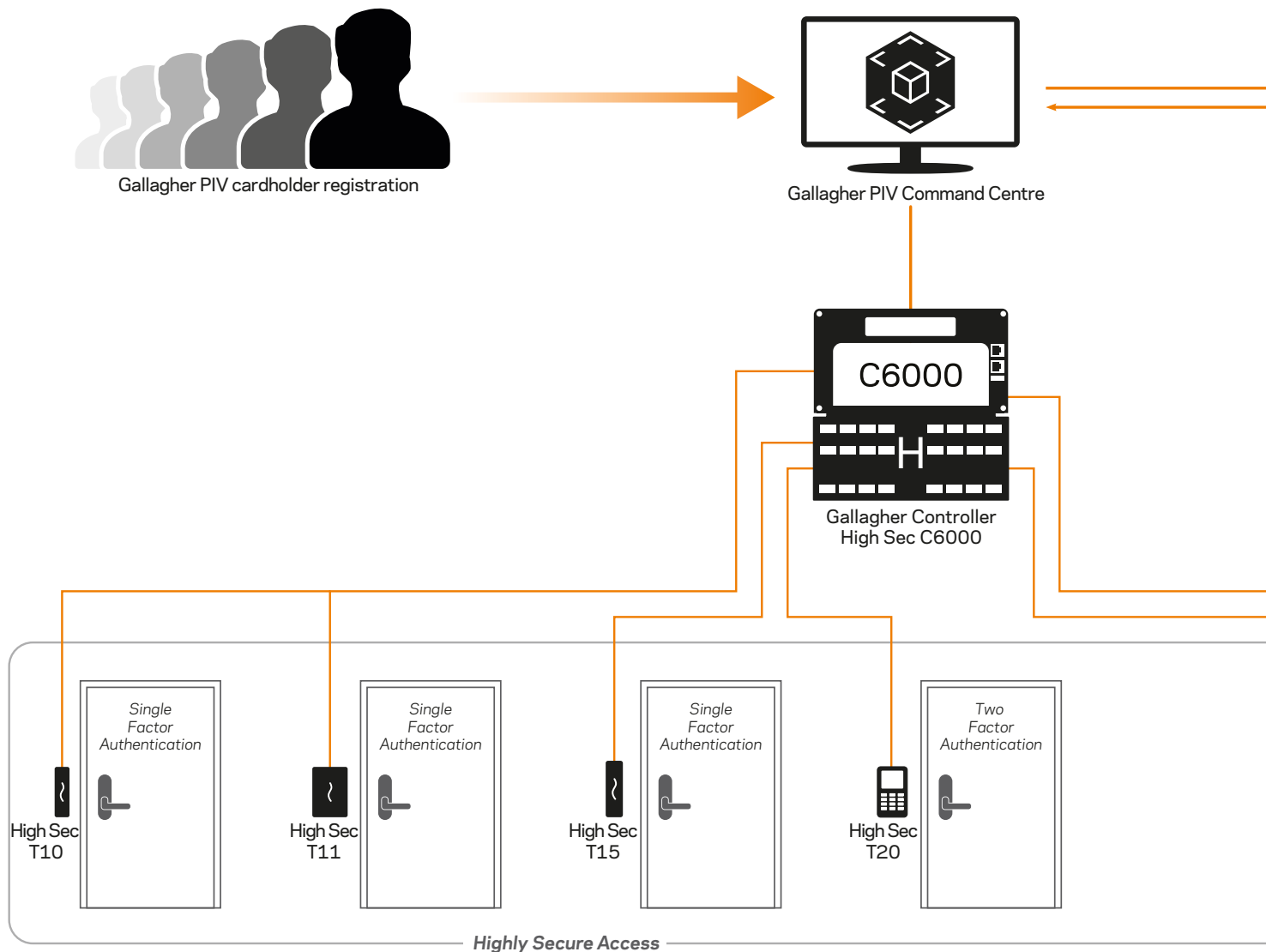
These partners not only allow you to choose the installer service that best aligns with your unique requirements, but also provides you contestability of installation and maintenance.

Training in the Gallagher solution is mandatory, and is an ongoing requirement of our security partners. As techniques, technology and requirements evolve, so do the skills of our installers.

# System Overview

## Streamlined Architecture

Gallagher's secure end-to-end architecture provides an elegant solution to the FIPS 201-2 requirements with the bare minimum of hardware and software required to achieve a complete system.



Quick and simple enrollment is provided natively in Gallagher PIV Command Centre, with integrations also available to popular third party PIV registration clients



The Gallagher solution natively supports reading and verifying the secure certificate information on PIV cards



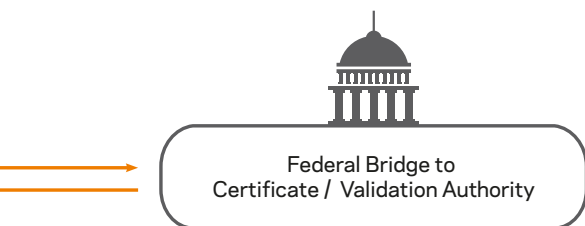
Real-time and secure certificate based authentication of PIV, PIV-I, and CAC credentials



Unlimited system size - no matter how big your site is geographically, or the number of cardholders involved, the Gallagher PIV system can scale easily to meet your requirements



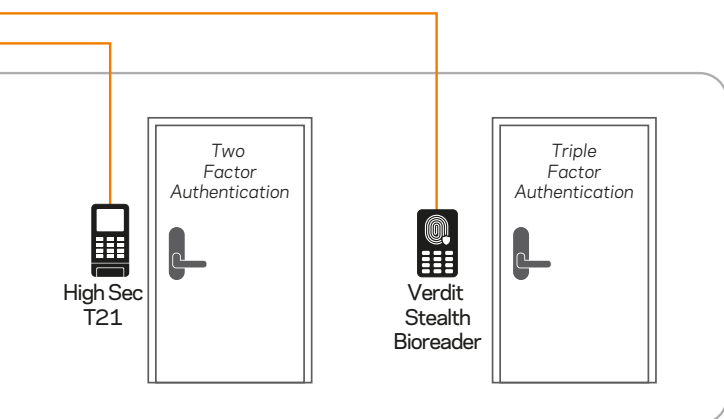
Upgradeable device software, future-proofing Gallagher hardware for FIPS 201 standard changes



## High Sec C6000 - Maximum Capability

Using TLS encrypted network communication, the FIPS compliant High Sec Controller 6000 is securely and periodically updated by the Gallagher PIV Command Centre Server with PIV cardholder details. Each controller supports a comprehensive suite of functions including:

- Unlimited Access Zones
- Up to 150,000 cardholders
- Up to 256 Alarm Zones
- Up to 2000 Access Groups
- Up to 80,000 events
- Up to 10 doors



## PIV Glossary of Terms

|              |   |
|--------------|---|
| <b>PIV</b>   | Personal Identity Verification Card                 |
| <b>PIV-I</b> | Personal Identity Verification Card - Interoperable |
| <b>PACS</b>  | Physical Access Control System                      |
| <b>CAK</b>   | Card Authentication Key                             |
| <b>CHUID</b> | Cardholder Unique Identifier                        |
| <b>FIPS</b>  | Federal Information Processing Standard             |
| <b>PKI</b>   | Public Key Infrastructure                           |



High Sec T-Series Readers provide the fastest PKI authentication for Federal users.



Readers can support MIFARE DESFire EV1/EV2, MIFARE Plus, and MIFARE Classic® credential technologies, and Multi Technology readers also provide support for 125 kHz technology



Gallagher provides an agile multi-factor authentication system, with single, dual, and triple modes of authentication available



Automatic cardholder creation in Command Centre following enrollment



High grade authentication and encryption between the C6000 Controller and access readers



# System Features

## Efficient Architecture

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Gallagher's modular components, integrated functions, and consolidated software mean that Gallagher can deliver a complete, compliant, and cost effective solution.

Simple architecture is a key feature of the solution, providing a cost-effective platform that is easy to install, configure and maintain.

## Fully Compliant

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The Gallagher PIV Solution has been specifically developed to be fully compliant with the FIPS 201-2 standard.

The solution has undergone rigorous independent testing as part of a complete system. Customers can be assured that credentials issued at one location, will work on the same system in another location.

Each Gallagher PIV product is listed on the GSA FIPS 201 Approved Product List (APL) as an approved product, ready for deployment.

## Easy Enrollment

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PIV Command Centre enables PIV Cardholder registration directly from within PIV Command Centre, without the need for additional enrollment software.

Operators can quickly induct new cardholders who will be guided through a simple registration workflow. PIV cards are matched to unique PIN's and biometrics, and when information is imported and validated the user is free to gain access as their clearance allows.

## Secure Technology

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The products and software that make up the Gallagher PIV solution are designed from inception to be as secure as possible. Authentication, encryption, tamper defenses, redundancies, and just plain 'security' are all part of our product development philosophy. It is not enough that our products are intuitive to use, and aesthetically pleasing, even the smallest part of our system has been selected for its inbuilt defensive qualities.

We employ a dedicated security and penetration testing team, and use automated testing that runs thousands of scripts to ensure systems are as robust as possible (150 virtual machines running 20,000 tests nightly on Gallagher Command Centre). Our commitment to research and development is to ensure your assets are protected, now and in the future.

## Gallagher PIV fast features

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- Simple end-to-end architecture
- Secure authentication and encryption between all system components
- First to meet the PIV credential read range standard of 3.5cm
- Listed on the GSA's PACS Approved Products List (PACS APL) for single, dual, and triple factor\* authentication solutions
- Listed on the GSA Approved Products List as a LACS Caching Status Proxy
- Configurable periodic credential validation.
- First with intruder alarm integration
  - UL1076 - standard compliant
  - ULC/1076 - Canada
- Automatic cardholder creation
- Capable of a 1.5 second PIV card read and access response
- Single security management PACS platform offering strong, real-time authentication of PIV, PIV-I and CAC cards
- Cipher Pad functionality to prevent bystander PIN disclosure at keypad
- Upgradeable device software
- PIV Multi-Server for expanded site coverage
- Choice of certified integrators
- Options to support daisy-chain wiring or home-run wiring
- T-Series readers provide unrivaled durability
- 24/7 Technical support



# System Hardware



**PIV Command Centre**  
Site management control software



**High Sec T-Series Readers**  
Single and dual factor authentication



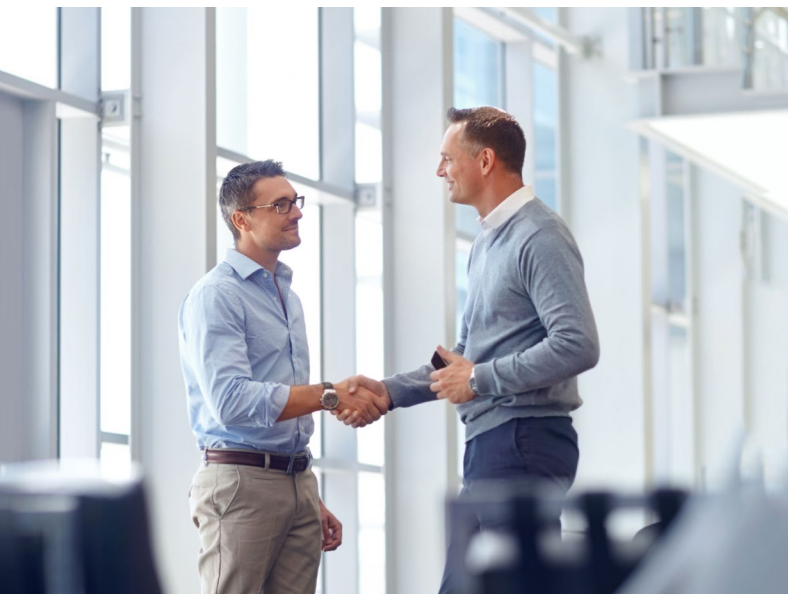
**High Sec Controller 6000**  
Physical access control panel



**IDEMIA and Secugen PIN Enrolment Reader Options**  
PIV cardholder card + fingerprint + PIN enrolment device



**Veridit Stealth Bioreader**  
Triple factor authentication



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