

ActivCard Gold™ for CAC

ActivCard Gold™ for CAC is the leading smart card-based strong authentication and digital signature solution for the Common Access Cards issued by the U.S. Department of Defense.

Highlights

PKI-Based Desktop Security

Leverages DoD-issued digital certificates to increase security for email signature and encryption, secure web access, secure network login, secure dial-up and VPN.

Password-Based Desktop Security

Leverages the secure smart card platform to store passwords for network applications such as Microsoft® Windows® login or dial-up.

Card Management

Graphical user interface for managing the Common Access Card PIN, digital certificates, demographic data and other login credentials.

Personalized Solution

Adapts to the needs of the agencies via customization options – and deploys easily in large-scale implementations.

Proven Robustness

Over a million licenses sold to DoD agencies prove the solution's robustness and maturity.

Multi-Application Smart Card Digital ID Solution

ActivCard Gold™ for CAC software is an easy-to-use smart card-based digital identity middleware, providing authentication for multiple network systems, services and applications. The solution leverages the DoD PKI credentials as well as the DoD demographics data loaded on the CAC. Cardholders and administrators benefit from the optimal combination of security, usability, manageability and deployment capabilities.

Key Advantages

> Open Architecture Delivers Interoperability:

- Built on industry-standard APIs, such as PKCS#11 and Microsoft CAPI, also accessible in SDK for extended integrations.
- Designed to support government standards for CAC specifications, all CAC card types, and the GSA-defined BSI API.

> Deployment Capabilities and Modularity Reduce the TCO:

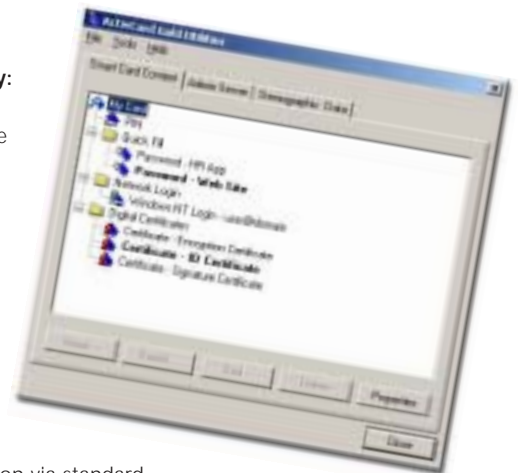
- Administrators can customize ActivCard Gold to pre-select options providing end-users with a version tuned to their needs – reducing configuration errors and help desk calls.
- Administrators can perform remote installation via standard deployment technologies – facilitating large-scale installation or upgrade and reducing the cost of deployment.
- ActivCard Gold automatically supports new cards issued with the DoD applets, reducing the need to deploy new software versions.

> Largest Breadth of Application Support Increases the ROI:





- ActivCard Gold supports a wide range of environments, allowing easy integration into existing and diverse network systems – from Windows and Novell® to Citrix® – which provides thin client access to CAC capabilities.
- PKI applications: ActivCard Gold supports common applications such as email and Windows PKI Login, and also DoD applications such as the Defense Travel System.

> Ease-of-Use and Performance for Increased Productivity:

- Users can access their Common Access Card via a PIN in an ATM-like user experience—or even simpler, via biometrics authentication*.
- ActivCard Gold boosts performance by allowing end-users to conduct their day-to-day operations with ease when they use a smart card.
- Using a smart card with ActivCard Gold offers mobility and ensures that credentials can be used from anywhere.



ActivCard Gold™ for CAC Multi-Application Solution

| Authentication Device | User Credentials | Device Access | Client Software | Authentication Server | Business Services |
|---|-----------------------------|---|--|----------------------------------|--|
|  Common Access Card | Digital Certificates |  1234 PIN |  ActivCard Gold™ | Certificate Authority PKI System | > Email/File Signing/Encryption > Windows® 2000/XP Login/Screen Lock > Web Access > Dial-up/VPN |
| | Static Passwords (optional) |  Biometrics | | User Database | > Windows® Login/Screen Lock > Novell® Login > Legacy Systems (password-based) |
| | Demographic Data | | | | > Personal Applications |

ActivCard Gold for CAC leverages the Common Access Card platform for flexible authentication and digital signature to online services.

ActivCard Gold™ for CAC

Specifications

ActivCard Gold for CAC Includes

- > Client software
- > Optional smart card reader (USB, PCMCIA, serial port or keyboard)

Security Services

- > Cryptographic network login for Windows® XP/2000/NT/98/Me
- > Cryptographic network login for Novell® NDS eDirectory™
- > Dial-Up/VPN to a remote server
- > Support for secure web access (Internet Explorer®, Netscape®)
- > Support for email signing/decrypting (Outlook®, Outlook® Express, Netscape, GroupWise®)
- > Office XP document signing
- > Drag-and-Drop passwords stored securely on your smart card to any Windows application or web site
- > Remote desktop environments: Citrix® Metaframe™ XP, Windows .NET Terminal Server, Windows XP Remote Desktop
- > Thin terminals: Wyse® Winterm™
- > Support for the Defense Travel System (DTS) for authentication and digital signature

Management Services

- > Tree-based GUI utility for cardholders to add, delete, verify and update credentials for all security services
- > Digital Certificates: Certificate viewer and registration
- > Biometrics: Fingerprint enrollment and verification*
- > Static Passwords: Storage for all login services
- > CAC Demographic Data Viewer
- > Change PIN
- > Client hooks for remote and centralized post-issuance card updates

Deployment Services

- > Configuration: Pre-selection of software options for streamlined user experience and increased security
- > Setup: MSI-based installer, configurable to pre-select, add or hide modules
- > Compatible with Microsoft Systems Management Server (SMS), Active Directory® and other software deployment technologies

Compliance to Standards

- > Card Management: GlobalPlatform 2.0.1
- > U.S. General Services Administration (GSA) Basic Services Interface (BSI)
- > Smart Card Readers: PC/SC
- > Smart Cards: ISO 7816-1, -2, -3, -4
- > Smart Card Operating System: Java Card 2.1
- > Public Key Mechanisms: 1024-bit RSA, X509 certificates
- > Public Key Cryptography (PKI): PKCS #7, 10, 11, 12; Microsoft® CAPI 2.0; SSL; S/MIME
- > Setup: Windows Installer (MSI) 1.2

Compatibility for CAC

- > ActivCard Gold for CAC SDK
- > Common Access Cards:
 - Schlumberger™ Cyberflex Access
 - Oberthur GalactIC
 - Oberthur CosmopolIC
 - Ready to support additional card types
- > U.S. DoD Common Access Card applets

System Requirements

- > Windows XP/2000/NT/98/Me
- > 32 MB of RAM
- > 20 MB of free disk space

*Pending a biometric applet on the CAC

Related Documents

- > U.S. DoD Case Study

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