

# ActivCard Gold™

**ActivCard Gold™ is the most deployed smart card-based strong authentication and digital signature solution.**

## Highlights

### Secure Desktop

Offers secure login to the desktop and to the network – and workstation optionally locks when user removes their smart card.

### Secure Remote Access

Offers strong authentication for dial-up, VPN and web access – providing confidence for business transactions between employees, customers and partners.

### Corporate Access Card™

Client component of the ActivCard CAC Solution Suites for Microsoft® Windows® and Sun™ Solaris™ – for next generation Enterprise ID solutions.

### Advanced Card and Identity Management

Provides management services to the end-user for convenience and to the administrator for enterprise-level control.

### Smooth Migration Path

Simultaneously supports all types of credentials for seamless migration from static passwords to more advanced forms of digital identity – for moving from traditional tokens to flexible multi-application smart cards.

## Multi-Application Smart Card Digital ID Solution

ActivCard Gold™ is a multi-function smart card-based digital identity middleware solution. It can be used as a standalone end-user client for securing remote access, local login, email and other applications or as a key component to the ActivCard Identity Management (IDM) software solutions. Deployed on millions of desktops, ActivCard Gold works with leading smart cards, operating systems, applications, certificate authorities and network environments. Cardholders and administrators benefit from the optimal combination of security, usability, manageability and deployment capabilities.



## Key Advantages

### > Trusted Digital Identity Enables Security Services:

- Strong authentication, non-repudiation, digital signature and decryption services.
- Multiple identity credentials are consolidated into a single smart card – static and dynamic passwords, digital certificates and match-on-card biometrics.
- ActivCard applets are FIPS certified on a wide range of smart cards.

### > Deployment Capabilities and Modularity Reduce the TCO:

- For advanced deployment, ActivCard Gold is fully customizable and configurable, allowing corporations to fine-tune the product to their needs and to perform remote installation and upgrade via standard software deployment technologies. ActivCard Gold reduces the cost of smart card deployment and help desk support.
- Provides lifecycle management – ActivCard Gold enables credentials and applets on the smart card to be centrally deployed and controlled after issuance without disrupting cardholder services – together with an ActivCard Identity Management System™.







### > Maximum Interoperability Increases the ROI:

- Delivers the largest breadth of application support, allowing easy integration into diverse network environments.
- Built on standards-based technology APIs, ActivCard Gold is accessible for extended integrations via SDKs.
- Open architecture ensures independence from single vendors and offers choice between different applications, smart cards and deployment strategies.

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

- Users can access their ActivCard Gold smart 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™ Multi-Application Solution

Authentication Device	User Credentials	Device Access	Client Software	Authentication Server	Business Services
 Smart Card	Static Passwords	 1234 PIN	 ActivCard Gold™	User Database	> Windows® Login/Screen Lock > Novell® Login > Legacy Systems (password-based)
 USB Key	Dynamic Passwords			ActivPack™ AAA Server	> Dial-Up > VPN
 ActivCard® Applet	Digital Certificates	 Biometrics		Certificate Authority PKI System	> Email/File Signing/Encryption > Windows® 2000/XP Login/Screen Lock > Web Access > Dial-up/VPN

ActivCard Gold supports a variety of user credentials on a variety of devices for flexible authentication and digital signature to online business services.

# ActivCard Gold™

## Specifications

### ActivCard Gold Includes

- > Client software
- > Optional multi-application smart card (HID® and MIFARE® options for physical access) or USB key
- > 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, Lotus Notes®, GroupWise®)
- > Office XP document signing
- > Compatible with Baltimore™, Entrust®, Microsoft®, Netscape, Novell, Sun™, VeriSign®, and other certificate authorities
- > Drag-and-Drop passwords stored securely on your smart card for any Windows application or web site
- > Remote desktop environments: Citrix® Metaframe XP, Windows .NET Terminal Server, Windows XP Remote Desktop
- > Thin terminals: Wyse® Winterm™

### Management Services

- > Tree-based GUI utility for cardholders to add, delete, verify and update credentials for all security services
- > Digital Certificates: Certificate viewer, registration and import
- > Biometrics: Fingerprint enrollment and verification
- > Static Passwords: Storage for all login services
- > Dynamic Passwords: Generate password, card resynchronization
- > Change PIN/Unlock Card
- > Reset Card/Initialize Card
- > 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: 512, 768, and 1024-bit RSA, X509 certificates
- > Public Key Cryptography (PKI): PKCS #7, 10, 11, 12; Microsoft® CAPI 2.0; SSL; S/MIME
- > Symmetric Key Cryptography (SKI): DES, ANSI X9.9
- > Setup: Windows Installer (MSI) 1.2

### Compatibility

- > ActivPack™ AAA Server and ActivPack Client
- > ActivCard Identity Management System—Standard Edition
- > ActivCard Identity Management System—Enterprise Edition
- > ActivCard Gold SDK
- > Smart Card Independent: Schlumberger™, Gemplus®, Oberthur and others
- > 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

### Organizations Using ActivCard Gold

- > Hewlett-Packard Company
- > Lloyds TSB Bank PLC
- > Microsoft Corporation
- > Sun Microsystems, Inc.
- > U.S Department of Defense (Army, Air Force, Navy and Marines)

### Related Documents

- > ActivKey™ Data Sheet
- > ActivPack™ AAA Server Data Sheet
- > ActivCard Identity Management System™ Data Sheets

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