

smart security interface PIV

logical access client for FIPS 201 smart cards

Windows, Linux, Mac

supports PIV / FIPS 201 cards

100% PKCS#11

PC logon, VPN, SSL security



smart security interface® PIV



The charismathics smart security interface PIV (CSSI PIV) is a GSA approved, FIPS 201 compliant middleware client that enables the PIV card to be used for logical access applications such as remote access, computer logon, digital certificate signing and encryption.

CSSI PIV supports PIV cards from all major PIV card vendors, including ActivIdentity, Oberthur, Gemalto, and Athena. Unlike the middleware packages from these vendors, CSSI PIV has been specifically designed for interoperability and performance with all cards.

Benefits

- FIPS 201 compliant and GSA approved
- multi card support: all major PIV card vendors
- multi platform support: Windows, Mac OS X, Linux, Solaris
- wide application support: remote logon, computer logon, digital signature, email signing and encryption
- automatic certificate (de)registration
- support for class 2 secure PIN entry devices
- full feature client administration utility

Certifications

CSSI PIV has been validated FIPS 201 compliant by the National Institute of Standard NPIVP, and is listed on the GSA FIPS 201 approved products list.

GSA APL Listing

Supplier: charismathics Inc.

Category: PIV Middleware

Part#: CSSI PIV

Approved Software Version: 2.1.0.9

NIST Certification

Validation level: SP 800-85A-1/SP800-73-2

Certificate Number: 12

Certification Date: 23 October 2009



Key Features:

- logical access client for contact and contactless smart cards
- supports PIV/FIPS 201 cards
- PC Logon, VPN, SSL security
- Windows, Linux, Mac OS X, Solaris
- CSP, PKCS#11, tokenD
- all major card vendors

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Features and Functionality

CSSI PIV supports multiple application interfaces, including CSP, PKCS#11 and tokenD. CSSI PIV is provided with an Administration utility which permits the end user to browse the PIV card, including the card certificates and data, allowing for remote troubleshooting. CSSI PIV also automatically manages certificate registration and de-registration on smart card insertion and removal.

charismathics CSSI PIV provides a complete client that supports a wide range of platforms and applications such as pre-boot and disk encryption, computer logon, VPN, RDP, SSL support, Email and document signing and encryption and Single Sign On.

Technical Specifications

Card Reader support

- PCSC (Windows)
- PCSC lite (Mac OS X/Linux)
- CCID
- Class 2 Readers (Omnikey/SCM)

Platforms supported

- Microsoft Windows XP (SP3), Vista (SP1), Windows 7, Server 2003, Server 2008
- Apple Mac OS X (10.5.6 and higher)
- Linux 2.6 (Red Hat Enterprise, Novell SuSe Enterprise, others on request)
- Solaris (x86, SPARC)

APIs supported

- PIV Middleware API Spec (Windows only)
- PKCS#11 (all platforms)
- CSP (Windows only)
- tokenD (Mac OS X only)

Smart cards supported

All GSA Listed Cards, and all PIV cards with NIST approved applications, including:

- **ActivIdentity:**
Gemalto TOP DL with ActivIdentity Digital Identity Applet Suite
- **Athena Smartcard Inc.:**
Athena IDProtect Duo PIV-0112
- **Gemalto:**
SafesITe PIV TPC DM
- **Giesecke & Devrient:**
Sm@rtCafe Expert PIV card
- **GoldKey:**
GoldKey-PIV smart card token
- **Oberthur Card Systems:**
PIV End Point Dual Interface Smart Card
- **Sagem Orga:**
J-IDMark64 PIV
- **TecSec, Inc.:**
TecSec PIV Eagle Card APIs supported

Applications Supported

| | |
|---|---|
| Domain Logon | Windows Server 2003, Server 2008 |
| SSL Client Certificate Web Authentication | Microsoft Internet Explorer, Firefox and Apple Safari |
| Digital Signatures | Microsoft Office, Adobe Acrobat |
| VPN/Remote Access | Microsoft, Cisco, Check Point, Nortel, Equinix VPN Tracker |
| Email signing and Encryption | Microsoft Outlook, Mozilla Thunderbird, Entourage, Mail.app |
| Pre Boot Authentication / Disk Encryption | Check Point, McAfee, PGP, Secude, Sophos |
| RDP | Windows Terminal Server, Citrix XenApp |

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