

smart security interface PIV

logical access client for FIPS 201 smart cards

Windows, Linux, Mac
supports PIV / FIPS 201 cards

PC logon, VPN, SSL security



PKCS#11



charismathics 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.

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

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



Product Highlights

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 as well as encryption and Single Sign-On.

Features and Functionalities

Card Reader support

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

Platforms supported

- Windows XP 32bit/64bit
Windows Vista 32bit/64bit
Windows 7 32bit/64bit
Windows Server 2003/2008 32/64 bit
- Apple OS X Leopard/Snow Leopard/Lion (Intel)
- Linux Kernel 2.6 32bit/64bit
- Solaris v8/v9 32bit/64bit (Sparc, Intel)

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
- **Safran Morpho:**
J-IDMark64 PIV
- **TecSec, Inc.:**
TecSec PIV Eagle Card APIs supported

Certified Applications

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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