

# smart security interface

iPhone

one software for all

PKCS#11

100% standard middleware



## smart security interface<sup>©</sup>



The charismathics smart security interface is a hardware independent PKI middleware which integrates directly with PKI applications. With CSSI<sup>©</sup> it is possible to use multiple smart cards from multiple suppliers with different operating systems on a single client at the same time. CSSI works with industry standard interfaces - CSP, PKCS#11 and tokenD - for supporting multiple card profiles for literally any authentication based application. The result is an enabling platform for all major smart cards and tokens. Never before has it been so easy to integrate authentication solutions into existing infrastructures, lowering costs significantly. This functionality separates the token sale from the software sale allowing greater choices and savings for the customer.

### Overview:

- platform, vendor and application independence
- one software for all standard PKI smart cards and USB sticks
- supplier-independent and card-issuer-independent token support
- quick integration with software and customized file structures

## 3D Independence

charismathics smart security interface is the first product available that ensures complete independence of token hardware, token profiles and related software applications, regardless of the client OS in use. The product comes as a complete PKI client to simply integrate into an existing PKI environment. Our large number of supported smart card platforms offers flexibility for enterprise customers to freely choose their end point security device thus cutting cost. We even have the functionality to allow multiple systems to co-exist on the same device. The interface follows all common standards for integration of applications requiring strong identification.

## Benefits

- features supplier- and system-independent PKI token support for all current OS platforms
- works with smart cards, USB tokens, Trusted Platform Modules and pre-boot environments
- supports mobile phones and common 3rd party products
- enables cross-platform life-cycle-management of tokens and digital identities
- plugs into all PKI systems and standard software applications such as Internet Browsers, Mail and VPN clients, Single-Sign-On frameworks and 3rd party applications
- enables fast integration with other software applications and project schemes

## Product Features

- one software only for all standard PKI smart cards or USB sticks
- multi smart card chip platform support: JCOP, CardOS, TCOS, StarCOS, GemXpresso, Cosmo ID and others
- multi interface standard support: PKCS#11, MS-CAPI, tokenD, CNG/mini driver, CTAPl
- multi client OS platform support for Windows up to 7 64-bits, Linux Kernel 2.6 distributions, Mac OS X up to Snow Leopard 64-bit, Sun Solaris
- optional multi card profile support for PKCS#15, SSID, SigG, FineID, CNS, CAC, IAS, PIV, ActivIdentity: flexible extension and modification or completely new integration
- full integration of CSP and PKCS#11 command set
- support of mobile phones to replace smart cards, smart card readers and USB sticks for Windows, Apple and BlackBerry
- secure PIN entry
- support for pre-boot environments: Check Point, McAfee, PGP, Secude and Sophos
- extension tool to manually integrate new tokens into the system
- adoptable Security Token Configurator
- optional mass production version

## Product Overview

	CSSI 4.8.1 Windows	CSSI 4.8 TPM connector	CSSI 4.8.1 Mac OS X	CSSI 4.8 Linux	CSSI 4.8 Sun Solaris
available	now	now	now	now	now
support of mobile devices	yes	no	yes	no	no
supported smart card operating systems	List of supported smart cards*)	TPM IFX/BRD/INTEL/ATMEL/ST	List of supported smart cards*)	List of supported smart cards*)	List of supported smart cards*)
key generation	on-/off-board	on-/off-board	on-/off-board	on-/off-board	on-/off-board
pre-boot systems	Check Point, McAfee, PGP, Secude, Sophos	Check Point, McAfee, PGP, Secude, Sophos	Check Point, PGP	no	no
profile diversity	yes	yes	yes	yes	yes
PKCS#15	yes	yes	yes	yes	yes
biometrical interface	yes (MOC)	yes	no	no	no
RSA key length	up to 2048 bit	up to 2048 bit	up to 2048 bit	up to 2048 bit	up to 2048 bit
ECDSA key length	up to 384 bit (optional)	up to 384 bit (optional)	up to 256 bit (optional)	up to 256 bit (optional)	up to 256 bit (optional)
Security Token Configurator	optional	optional	optional	optional	optional
production version	yes	yes	yes	optional	optional
multi language	yes	yes	yes	no	no
branding	optional	optional	optional	optional	optional

\*) please consult our application and system compliance list on our website [www.charismathics.com](http://www.charismathics.com)

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