



## **GemSafe Standard Edition v5.1 – Products compatibility list**

**Date:** 10 Apr. 07

**Product version:** v5.1

### **Applets and smart cards supported:**

- GemSafe GPK16000 (requires GPK add-on on top of GemSafe Standard Edition)
- GemSafe v1.x applet on GemXpresso R3.x and R4
- GemSafe v2.x applet on GemXpresso R3.2 and R4
- PIV applet on GemXpresso R4

### **Smart card readers supported:**

- Any PC/SC compliant reader certified by Microsoft WHQL
- Gemplus GemPCPinPad (only with GemSafe Standard Edition and GemSafe v1.x and V2 applet)

### **Operating Systems supported:**

- Windows 2000 SP4
- Windows XP SP1/SP2 (32 bits)
- Windows Server 2000/2003
- Windows Vista (32 bits)

### **Cryptographic interfaces supported:**

- PKCS#11 v2.01
- Microsoft CAPI v2



The following table lists the products that have been tested during the validation campaign of GemSafe Standard Edition v5.1. Other third party products relying on PKCS#11 and MS-CAPI interfaces should be able to access the Gemalto cards through GemSafe Standard Edition v5.1.

Product name	Versions	Uses cases and comments	API requested
<b>Systems</b>			
Windows	2000, XP, Server 2000/2003, Vista	Smart card logon, lock/unlock station	MS-CAPI
<b>Web browsers</b>			
Internet Explorer	v6 SP1, v7	Strong authentication with SSL	MS-CAPI
Netscape	v8.1	Strong authentication with SSL	PKCS#11
Mozilla Firefox	v 1.5	Strong authentication with SSL, PIN change, PKCS#12 file key injection	PKCS#11
<b>Emails</b>			
Microsoft Outlook	2000/2003, Express	Email signature and encryption	MS-CAPI
Lotus Notes	v 7.0	User authentication	PKCS#11
Mozilla Thunderbird	v 1.5, v2.0	Email signature and encryption	PKCS#11
<b>VPNs</b>			
Check Point VPN-1	Secure Client NGX	X.509 certificate based authentication	MS-CAPI
Cisco VPN Client	v4.6	X.509 certificate based authentication	MS-CAPI
Microsoft VPN	Windows 2000 SP4, XP SP2, Vista	X.509 certificate based authentication	MS-CAPI
<b>Certification Authorities</b>			
Microsoft Windows CA	Server 2000/2003	Certificate enrolment and renewal	MS-CAPI
Entrust Entelligence	v7.1	Certificate enrolment and renewal	MS-CAPI
Idealx ID-PKI	v1.9	Certificate enrolment and renewal	PKCS#11
<b>Card Management Systems</b>			
BellID Andis	v5.i	Certificate enrolment and renewal	PKCS#11
Microsoft CLM	Beta 2	Certificate enrolment and renewal	MS-CAPI
<b>Thin client and remote access</b>			
Microsoft Terminal Services	Server 2003	Smart card logon	MS-CAPI
Wyse Thin Client	Windows CE 5.0	Smart card logon	See application used
Citrix Presentation Server	v4		See application used



Product name	Versions	Uses cases and comments	API requested
<b>Office tools</b>			
Microsoft office	2000, 2003, 2007	Documents signature and encryption, VB macros signing	MS-CAPI
Adobe Acrobat Reader	v7, v8	Document encryption and signature	MS-CAPI
Adobe Acrobat	v7.0.5	Document encryption and signature	MS-CAPI
Open Office	v2.0	Document signature	PKCS#11