GEMPLUS

beyond smart

The ultimate PCMCIA Smart Card interface

GemPC Card is designed for laptops and mobile users, fitting into a standard PC Card type II slot

Security and confidentiality

Using its market leading single chip interface, GemCore PRO, Gemplus has created **GemPC Card** to incorporate Smart Cards into all information systems equipped with a PC Card type II slot. GemPC Card provides an unrivalled, cost effective and secure way to enhance your Smart Card-based application.

This is especially relevant for corporate security, Internet commerce and online banking services, where strong security and confidentiality is a must.

GemPC Card is a high-performance, compact and lightweight Smart Card reader/writer. It replaces GemPC400.

Robust casing, increased performances

GemPC Card uses Gemplus's patented robust steel case and is fully compatible with the PC Card type II specifications. Major PC manufacturers have already chosen it.

GemPC Card supports all ISO 7816 class A, B and C cards   (5 V, 3 V and 1.8 V), all ISO 7816 TA1 parameters (up to 344 Kbps) and extended APDU commands.

EMVCo Terminal Level 1 approved

GemPC meets the EMV specifications version 4.0 and is listed in the EMVCo web site.
EMVCo letter of approval number: 11767 0604 400 20 APP.

Easy to install and to maintain

GemPC Card re-uses GemPC's Serial PC/SC drivers and GemCore PRO firmware, already implemented in GemPC Series readers such as GemPC Twin, GemPC Key, GemPC USB, GemPC Serial.

Branding on demand

Gemplus personalizes the sticker and the packaging according to the customer's identity. A scalable supply chain, a large mass production capacity and qualified manufacturing processes guarantee the best possible service.

GemPC Card Smart Card Reader/Writer

www.gemplus.com

Gemplus expertise

Gemplus designs, develops and delivers industry leading Smart Card interface technologies backed by a team dedicated to ensure successful and profitable implementation of our products.

Choosing Gemplus GemPC Smart Card readers also provides access to a full range of associated software, services and support, which have made Gemplus the undisputed world leader in Smart Card enabled solutions.

Working with our Integration and Consulting Services team means that you benefit from many years of experience in the deployment and integration of Smart Card solutions in telecommunications, financial services and e-business security.

Our highly skilled experts provide quick to market, cost-effective, and best-of-breed services: audit and application design, solution and system integration, change management, customer support, training and seminars.

Technical Specifications

Host Interface
- PCMCIA Type II
- Plug and Play
- Programmable transmission speed from 9,600 to 115,200 bps

Smart Card Interface
GemCore PRO hardware and firmware architecture:
- Supports ISO 7816 Class A, B and C cards (5 V, 3 V, 1.8 V)
- Supports all ISO 7816 TA1 parameters (up to 344 Kbps)
- Reads from and writes to all ISO 7816-1,2,3,4 microprocessor cards, T=0 and T=1 protocols
- Supports memory cards using "Memory Card API for GemCore Twin PRO"
- Short circuit detection

Smart Card Connector
- 8 friction contacts - ISO location
- 100,000 insertion cycles
- EMV Level 1 mechanically compliant
- Embossed Smart Cards supported

Power Consumption
- Maximum operating current: 25 mA

Standards / Certifications
- ISO/IEC 7816-1,2,3,4: IC Cards with contacts
- EMVCo terminal Level 1 approved and conform to EMV 4.0 specification
- Microsoft Windows Hardware Quality Labs (WHQL), Windows Logo Program WLP 2.0

API
- Microsoft PC/SC environment with associated drivers
- Other environments (OCF, CT-API) upon request

Operating Systems
- Windows 98, 98SE, Me, NT4, 2000, XP, Server 2003, Xp 64bit, Server 2003 64Bit
- Linux

Power Supply
- Power supply thru PCMCIA port
- Operating voltage 5 V +/- 10%

Environmental
- CE, FCC part 15 Class B
- EN 60950 / UL 950 / CSA 950
- Operating temperature: +0 °C / +55 °C
- Storage temperature: -20 °C / +65 °C

OEM
- Custom stickers for branding

Physical Characteristics
- 85 mm x 54 mm x 5 mm (3.4 ″ x 2.16 ″ x 0.2 ″)
- PC Card Type II format
- 29 g.

Information subject to change without prior notice