

## A secure and cost-effective smart card interface for your e-transactions from the world's leading provider of smart card enabled solutions

Using its best selling single-chip interface, GemCore Pro, Gemplus presents GemPC Serial-SL, the slim line reader with Serial connection. GemPC Serial-SL provides an unrivalled, cost effective and secure way to enhance your smart card based applications such as:

- ❑ Logical access control
- ❑ Home banking
- ❑ Online shopping
- ❑ E-loyalty
- ❑ Network security

### New architecture

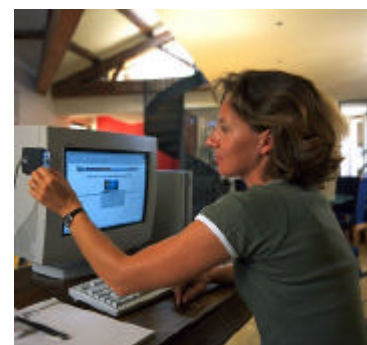
The new single-chip, industry-endorsed GemCore Pro architecture is the result of more than 10 years experience in smart card and interface development. It offers multiple PC connections, as well as support for most microprocessor and memory cards on the market. The proven security, reliability and efficiency of this architecture have made GemCore-based devices such as GemPC Serial-SL world favorites, passing all computing and banking certifications such as Microsoft WHQL (Windows Hardware Quality Labs) and EMV (Europay, MasterCard, Visa).

### High tech design

Ergonomic and compact, the high-tech design of the GemPC Serial-SL will easily fit in every end-user environment. Lightweight, but still very steady on all types of desks, they are extremely user-friendly when it comes to inserting or removing cards.



Full customization services from Gemplus—including choice of color, printed logo, and special packaging - offer your company valuable desktop branding opportunities.



## Technical Specifications

### Host Interface

- Plug and Play

### GemPC Serial-SL

- serial RS232
- programmable transmission from 9,600 to 115,200 bps

### Smart Card Interface

GemCore Pro hardware and firmware architecture:

- supports ISO7816 Class A, B and C (5V, 3V, 1.8V)
- supports all ISO7816 TA1 parameters (up to 344 kbds)
- reads from and writes to all ISO7816-1/2/3 microprocessor cards, T=0 and T=1 (memory cards support upon request)
- short circuit detection

### Smart Card Connector

- 8 frictions contacts – ISO location
- 100,000 insertion cycles
- EMV level 1 mechanically compliant
- embossed smart cards supported

### Human Interface

- LED one Color (Green)

### Standards/Certifications

- ISO/IEC 7816-1,2,3,4: IC Cards with Contacts
- EMV Terminal level 1 version 4.0
- Microsoft Windows® Hardware Quality Labs (WHQL)

### APIs

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

### Operating Systems Support

- Windows 98, 98SE, Me, 2000, XP, NT4.00
- Other OS supported upon request (Linux, MacOS X)

### Cable/Power Supply

#### GemPC Serial-SL

- cable 1.5 m long
- serial DB9 connector
- power supply thru PS/2 port
- op. voltage 5V +/- 10%

### Environmental Performances

- CE, FCC part 15 Class B, VCCI, BSMI, C-Tick
- EN 60950/UL950/CSA950
- operating temperature: +5°C to +55°C
- storage temperature: -25°C to +60°C

### Dimensions

- LWH 98x70x15 mm

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