

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 USB-SL, the slim line reader with USB connection. GemPC USB-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 USB world favorites, passing all computing and banking certifications such as Microsoft WHQL (Windows Hardware Quality Labs) and EMV (Europay, MasterCard, Visa). GemPC USB-SL is also compliant with Microsoft's CCID driver.

High tech design

Ergonomic and compact, the high-tech design of the GemPC USB-SL will easily fit in every end-user environment. Lightweight, but still very steady on all types of desks, it is 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 USB-SL

- USB full speed (12Mbps)

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)
- USB 2.0 Full speed
- CCID - Chip Card Interface Device - 1.0

APIs

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

Operating Systems Support

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

Cable/Power Supply

GemPC USB-SL

- cable 1.5 m long
- USB type A connector
- power supply thru USB port
- op. voltage [4.4 -> 5.5V]

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 68 x 63 x 12 mm

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