

GemPC413 & 433

Smart e-transaction enablers

New low cost, secure readers from the world's leading provider of smart card enabled solutions.



By evolving its best selling GemCore interface to a single-chip architecture (GemCore Pro), Gemplus has created a platform

for a new class of low-cost readers. The first of these readers, GemPC413 and GemPC433 offer an unrivalled cost effective and secure way to enhance your smart card based applications, especially those requiring high levels of confidentiality, such as corporate security, internet shopping and online banking.

New architecture

The new single-chip, industry-endorsed GemCore Pro architecture is the result of more than 10 years experience in smart cards and interfaces 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 like the GemPC413 and the GemPC433 world favorites, passing all computing and banking certifications such as Microsoft WHQL (Windows Hardware Quality Labs) and EMV (Europay, MasterCard, Visa).



New high-tech design

Ergonomic and compact, the new high-tech design of the GemPC413 and GemPC433 will easily fit in every end-user environment. Light-weight, 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.



GEMPLUS

Same Gemplus expertise

Gemplus designs, develops and delivers industry leading smart card interface technologies backed by a dedicated team 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 fields. Our highly skilled experts provide quick to market, cost-effective, and best-in class services ranging from audit and application design to solution and system integration, change management, customer support, training and seminars.

Technical Specifications

Host Interface

- Plug and Play

GemPC413

- serial RS232
- programmable transmission from 9,600 to 76,800 bps

GemPC433

- USB full speed (12Mbps)
- hubless

Smart Card Interface

GemCore Pro hardware and firmware architecture:

- support ISO7816 Class A and AB smart cards
- 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

- software LED implemented in the System Tray (Task Bar notification area) of Windows desktop panel

Standards/Certifications

- ISO/IEC 7816-1,2,3,4: IC Cards with Contacts
- EMV level 1, EMV[®]96 version 3.1.1 (EMV2000 under completion at printing time)
- Microsoft Windows[®] Hardware Quality Labs (WHQL)
- USB 2.0 Full speed (GemPC433)
- CCID - Chip Card Interface Device - 1.0 (GemPC433)

APIs

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

Operating Systems Support

- Windows 95, 98, Me, 2000, XP (NT4.00 for GemPC413)
- Other OS supported upon request (Linux, MacOS X)

Cable/Power Supply

GemPC413

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

GemPC433

- 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 99 x 68 x 13 mm



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