

# GemPC USB-SW

## A cost-effective and secure solution for your smart card based applications

GemPC USB-SW, a single chip reader based on GemCore Pro technology offers USB connection, as well as support for most microprocessor cards.

The ergonomic silver casing and modern design of GemPC USB-SW suits every end-user environment. It is lightweight yet very steady on any desk or surface.

Thanks to its bulk packing and the local distribution from Hong Kong, transport costs for GemPC USB-SW are significantly reduced.

GemPC USB-SW has passed all computing and banking certifications such as Microsoft® WHQL (Windows Hardware Quality Labs) and EMV (Europay, MasterCard, Visa).



GemPC USB-SW is MCI Korea, VCCI Japan, BSMI Taiwan certified



### **Host Interface**

- Plug and Play
- USB full speed (12 Mbps)

### **Smart Card Interface**

GemCore Pro hardware and firmware architecture:

- support ISO7816 Class A, B and C (5V, 3V, 1.8V)
- support all ISO7816 TA1 parameters (up to 344 kbds)
- reads from and writes to all ISO7816-1,2,3,4 microprocessor cards, T=0 and T=1 (memory cards support upon request)
- short circuit detection

### **Smart Card Connector**

- 8 friction contacts – ISO location
- 200,000 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 level 1 EMV'96 version 3.1.1, (EMV2000 under completion)
- 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**

- Cable 1.5 m long
- USB type A connector
- Power supply thru USB port
- Op. voltage [4.4 -> 5.5V]

### **Environmental Performance**

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

### **Casing**

- Silver ware metallic painting LWH 99 x 78 x 13 mm

### **Packaging**

- Bulk packing by 50 units