

CardMan® PCMCIA 4040

Smart cards are increasingly being used for payments, home-banking, logical access control, internet security, PKI-tokens, healthcare, loyalty programs, etc.

OMNIKEY's CardMan® product family facilitates the use of smart cards with PCs, notebooks, servers, personal organizers and set-top-boxes.

CardMan® was the first smart card reader worldwide to be certified by Microsoft with the "Designed for Microsoft Windows" logo.



CardMan® 4040 is designed to meet all major standards like ISO 7816, EMV (Europay, Mastercard, Visa) 2000, Microsoft WHQL, PC/SC, HBCI (Home Banking Computer Interface), the PC-2001 specification and many more.

The PCMCIA host interface makes the CardMan® 4040 the preferred solution for the integration into notebooks, PDA's or other PC-Bus systems.

The usage within an application is based on standardized interfaces like PC/SC, CT-API or OCF (Open Card Framework). Native support also allows usage in non-standard environments.

Following features make the CardMan® 4040 the perfect answer to the increasing demands of many applications:

Smart Card Interface

- Compliant with ISO 7816 and EMV 2000
- Support of T=0, T=1, I²C (S=8), 2-wire: SLE 4432/42 (S=10), 3-wire: SLE4418/28 (S=9), SLE 4404, others on request
- High performance smart card interface (up to 420 Kbps when supported by card)
- Smart card clock frequency up to 8 MHz
- Supports 5V, 3V and 1,8V smart cards
- Supply current 60 mA to power the smart card
- Smart card movement detection with auto power-off
- Automatic detection of smart card type
- Short circuit and thermal protection
- 8 pin handling (C4/C8 supported)

Host Interface

- PCMCIA
- Transmission speed: 16 Mbps

Compliance

- WHQL (Microsoft) certified
- EMV 2000 certified
- PCMCIA
- ISO 7816
- HBCI

PC/SC Driver Support

- Windows 98
- Windows ME
- Windows 2000
- Windows XP
- Windows CE 3.0 / CE.NET (depending on hardware)
- Windows NT 4.0
- Linux

OEM

- customer specific logo
- customer specific colors

Embedded Technology

- CardMan Smart@Bus Chip-Set available

