

CardMan® USB 3121

Smart cards are increasingly being used for payments, home-banking, 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.



Optional: horizontal

Base usage

Optional: without base

CardMan® 3121 is designed to meet all major standards like ISO 7816, EMV (Europay, Mastercard, Visa) 2000, Microsoft WHQL, USB CCID, PC/SC, HBCI (Home Banking Computer Interface), the PC-2001 Specification and many more.

The usage within an application is based on standardized interfaces like PC/SC, OCF (Open Card Framework) or CT-API. The USB CCID support makes the integration in an existing system the easiest ever by connecting host and smart card reader without the need of additional drivers.

Following features make the CardMan® 3121 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

- USB (compliant with USB 1.1 and supports 2.0 CCID)
- Transmission speed: 12 Mbps
- Bus powered
- Cable length 180 cm

Compliance

- WHQL (Microsoft) certified
- EMV 2000 certified
- USB 1.1 and 2.0
- USB CCID
- ISO 7816
- HBCI

Other Features

- LED status indicator (Green: ready; Red: busy)
- Light base + attachment pad for mounting the reader (e.g. on a monitor)

PC/SC Driver Support

- Windows 98 / ME
- Windows 2000
- Windows XP
- Windows CE 3.0 / CE.NET (depending on hardware)
- Linux
- Mac OS X

Options

- Heavy base for desktop usage supporting both vertical and horizontal card insertion

OEM

- customer specific logo
- customer specific colors

Embedded Technology

- CardMan Smart@Link Chip-Set available

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