Smart & Contactless module integration

Omnikey CardMan®

Dual smart contact & contactless cards encoding unit
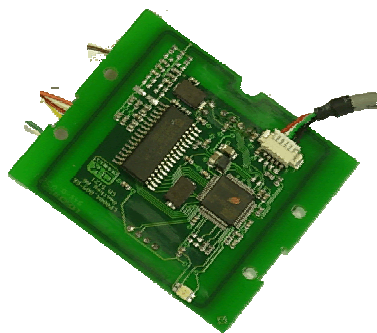
Targetted markets
- Security,
- Education,
- Access Control,
- PKI,
- e-Payment
- Multi-application smart cards

Available on:
- ☑ Pebble
- ☑ Dualys
- ☑ Securion
- ☐ Tattoo
- ☐ Tattoo Rewrite
- ☐ Quantum

Software Development Kit:
- ☐ Included
- ☑ Not included

Computer connection:
- ☐ RS232
- ☑ USB port

The CardMan 5121 is a dual interface PC-linked reader that will read/write to both a 13.56 MHz RFID contactless smart card and virtually any contact smart card. The dual interface feature economically supports end-user environments where both contactless and contact smart card technology may be in use.

The CardMan 5121 is based on a 13.56 MHz contactless smart card RFID interface that is compliant with ISO specifications 14443 A and B and 15693.

The reader works with a variety of 13.56 MHz contactless smart cards including, but not limited to:

- Philips: MIFARE®, DESFire®, MIFARE ProX®, and i.code
- HID: iCLASS®
- Texas Instruments: TagIT®
- ST Micro: x-ident, SR 176, SR 1X 4K
- Infineon: My-d (in secure mode UID only)
- Atmel: AT088RF020
- KSW MicroTech: KSW TempSens

OMNIKEY's contact smart card reader with USB interface, complies with major standards such as ISO 7816, PC/SC, Microsoft WHQL, and EMV 2000 Level 1 specifications is guaranteed.

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Feature set

Host interface	USB 2.0 CCID1 (also supports 1.1) Transmission speed : 12 Mbps Power supply : Bus powered
Contact Smart Card Interface	Compliant with ISO 7816 and EMV 2000 Level 1 Supports T=0, T=1 Supports 2-wire: SLE 4432/42 (S=10) 3-wire: SLE4418/28 (S=9) Supports I2C (S=8) Supports SLE 4404 Automatic detection of smart card type
Contactless (RFID) Smart Card Interface	ISO 14443 A ISO 14443 B ISO 15693 ISO 7816
Supported Tags	Philips: MIFARE®, DESFire®, MIFARE ProX®, and i.code HID: *iCLASS*® Texas Instruments: TagIT® ST Micro: x-ident, SR 176, SR 1X 4K Infineon: My-d (in secure mode UID only) Atmel: AT088RF020 KSW MicroTech: KSW TempSens
Compliance	Microsoft® WHQL3 certified EMV 2000 Level 1 certified ISO 7816 HBCI4 USB 1.1 and 2.0 CCID (contact interface only)
API	PC/SC driver CT-API (on top of PC/SC - for contact interface) OCF (on top of PC/SC - for contact interface) Synchronous API (on top of PC/SC - for contactless interface)
Computer interface	**Pebble, Dualys**: USB – Dedicated connector **Securion**: USB through the printer's USB connector and an USB internal HUB
PC/SC Driver Support	Windows® 2000, Windows® XP

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This datasheet aims at providing details regarding the above-mentioned item integrated into an Evolis printer. Data included in this document should be confirmed by Evolis prior to any final commitment.

Data source: OMNIKEY brochure-2005. Information subject to change without notice. The CardMan name is a registered trademark of OMNIKEY. All other trademarks are the property of their respective owners. www.omnikey.com

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