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OMNIKEY® 5121

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PRINTER OPTION

Dual smart contact & contactless card encoding

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

Target markets
- **Security**
- **Education**
- **ePayment**
- **ePurse**
- **Access Control**

Supported printers
- Factory mounted
  - Zenius Expert
  - Primacy
  - Primacy Lamination
  - Securion
  - Quantum²

- On-site upgrade
  - Zenius Expert
  - Primacy
  - Primacy Lamination
  - Quantum²

- Upon project request
  - Elypso
  - KC200/KC200B
  - KM500B
  - KM2000B

Software & SDK
PC/SC Software and dev. kit free of charge

OMNIKEY® 5121

HOST INTERFACE	• USB 2.0 CCID1 (also supports 1.1) • Transmission speed : 424 kbps • Power supply : Bus powered
CONTACTLESS SMART CARD STANDARDS	• ISO 14443 A • ISO 14443 B • ISO 15693
CONTACT SMART CARD STANDARDS	• Compliant with ISO 7816 and EMV 2000 Level 1 • Supports T=0, T=1 • Supports 2-wire: SLE 4432/42 (S=10) • Supports 3-wire: SLE4418/28 (S=9) • Supports I²C (S=8) • Automatic detection of smart card type
SUPPORTED CARDS	• 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
COMMUNICATION PROTOCOL	• Microsoft® WHQL certified • EMV 2000 Level 1 certified • ISO 7816 • HBCI • 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)
OPERATING SYSTEMS	• Windows® 2003/2008 Server, XP, Vista, 7, 8 (32/64 bits), Win CE 5/6/7 • MAC® OS X • Linux®

Data source: HID website : Omnikey Datasheet (March 2014)

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