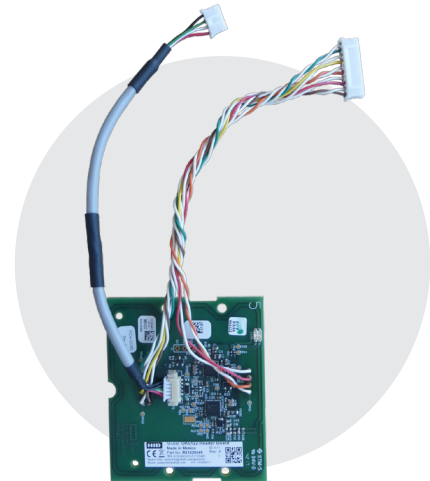


OMNIKEY® 5122

Printer option: Dual smart contact and contactless card encoding



The **OMNIKEY® 5122** 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® 5122 is based on a 13.56 MHz contactless smart card RFID interface that is compliant with ISO specifications 14443 A & B and iCLASS 15693.

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

- Philips: MIFARE®, DESFire®
- HID: iCLASS®
- NXP (Philips) Smart-MXTM: P5CT072ID: iCLASS®
- Infineon: SLE66CLX800PE/SLJ52GDL150CL
- Atmel: AT88SC0808CRF/AT88SC0204CRF/AT88SC3216CRF/AT88SC1616CRF (UID only)
- NFC Tags: 1,2,4

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

SUPPORTED PRINTERS

- Factory mounted: Zenius Expert, Primacy 2, Primacy, Primacy Lamination, Quantum²
- On-site upgrade: Zenius Expert, Primacy 2, Primacy, Primacy Lamination, Quantum²
- Upon project request: Elypso, KC200/KC200B, KM500B, KM2000B, Issengo, Privelio, Privelio XT

SOFTWARE & SDK

- PC/SC Software and development kit free of charge

TARGET MARKETS:

- Security
- Education
- ePayment
- ePurse
- Access Control



OMNIKEY® 5122

HOST INTERFACE

USB INTERFACE	• USB 2.0 Full Speed Device • USB 3.0 extended operability, tested with hubs/controllers
TRANSMISSION SPEED	• 12 MBps

CONTACTLESS SMART CARD INTERFACE

STANDARDS	• ISO/IEC 14443 A and B T=CL protocol on board, up to 848 kbps • iCLASS15693 up to 26 kbps
RFID CARRIER	• 13.56MHz
SUPPORTED CARDS (MAIN LIST)	• NXP (Philips): MIFARE™, Classic/Ultra-light/Plus, DESFire® EV1 & EV2 • HID: iCLASS® • NXP (Philips) Smart-MXTM: P5CT072 • Infineon: SLE66CLX800PE/SLJ52GDL150CL • Atmel: AT88SC0808CRF/AT88SC0204CRF/AT88SC3216CRF/AT88SC1616CRF (UID only) • NFC Tags: 1,2,4
CARD BAUD RATE	• 106, 212, 424 or 848 kbps (ISO14443) • 26 kbps (iCLASS 15693)

CONTACT SMART CARD INTERFACE

STANDARDS	• Compliant with ISO 7816 • Supports T=0 or T=1 • EMV 2000 Level 1 certified • Synchronous cards via custom APDUs • Supports 2-wire: SLE 4432/42 (S=9) • Supports 3-wire: SLE4418/28 (S=10) • Supports I²C (S=8) • Automatic detection of smart card type
SMARTCARD CLASS	• A , AB and C (5V, 3V and 1.8V smart cards)
CARD BAUD RATE	• Up to 420 kbps*
DURABILITY	• 100,000 insertions

PC/ SC MODE

WINDOWS DRIVER	• 2008R2/2012 Server, 2000, XP, Vista,7, 8, 8.1,10, Win CE 6/7
LINUX & MAC OS	• Supported by CCID native driver
API & SDK	• Full PC/SC – Free SDK available

*Depending on card.
Data source: HID website : Omnikey Datasheet (February 2018).

