

OMNIKEY® 5422 Dual Interface Reader

The OMNIKEY® 5422 represents the ultimate combination of contact and contactless technology in a single device. The solution features a dual interface, PC-linked reader that reads / writes to both a 13.56 MHz contactless smart card and virtually any contact smart card to support environments where both contact and contactless smart card technologies are required. Compliant with ISO14443 A/B, ISO 7816 standards, this reader is compatible with virtually any contactless smart card, operating system and a variety of applications.

Using contactless smart card technology the reader provides users with the convenience, speed and security for applications such as user authentication to PCs, software, cloud-based applications, networks and web sites. The reader supports leading high frequency card technologies on the market including iCLASS®, MIFARE® and MIFARE DESFire®.



The OK5422 eliminates the requirement for driver installation and is suitable to be used with standard PC or workstations, as well as with thin- and zero-clients.

The reader is integrated and tested with HID Global's ActivID® ActivClient and ActivID® Applets.



DUAL INTERFACE CONTACT AND CONTACTLESS SMART CARD READER

- **Versatile** – Ideal for end-user environments using both contact and contactless smart card technology and migration scenarios.
- **Leverages existing employee badge** – Expands the usage of existing physical access cards to computer logon, as well as network and cloud access.
- **Easy to install** – Eliminates the need to install drivers; uses native supported CCID drivers within the operating system.
- **Increased security and improved user experience** – Reads and retrieves highly secure one-time passwords (OTP) from Seos® cards.

OMNIKEY® 5422

Dual Interface Reader

PRODUCT FEATURES:

- Designed for traditional clients as well as thin-client products and solutions.
- Uses native CCID driver from operating system – no additional drive installation required.
- Supports a broad range of operating systems and works with the native CCID driver and PC/SC-API from the operating system. Windows, Linux, Apple and Android*.
- Supports contactless smart cards with up to 848 Kbps in the fastest ISO 14443 transmission mode.
- Interoperable with various smart card technologies, tags and standards such as ISO 14443 A/B, ISO 7816, Seos® (OTP only)
- Support for HID Global solutions: ActivID® ActivClient, ActivID® Applets, and HID Trusted Tag® Service.



USB Smart Card Reader in modern design housing

Base Model Number	OMNIKEY® 5422
CONTACT SMART CARD INTERFACE	
Standards & Protocols	ISO7816 Class A/B/C T=0, T=1 S=8, S=9, S=10 (I ² C, 2WBP, 3WBP)
Voltage	5V, 3V, 1.8V
Card Size	ID1 (Full size)
Power to Smart Card	60mA
Detection	Movement detection with auto power-off / Automatic detection of smart card type/ Short circuit and thermal protection
8-PIN Handling	C4 / C8 supported
CONTACTLESS SMART CARD INTERFACE	
Protocols	T=CL, MIFARE®, iCLASS® ISO 14443A/B - up to 848 kbps (depending on card) iCLASS 15693 up to 26kbps (depending on card)
HOST INTERFACE	
USB Interface	USB 2.0 Full Speed Device (12 MBps) USB 3.0 extended operability, tested with hubs/controllers
Connector / Cable	USB Type A connector; 59.1" (150 cm) cable
Operating Systems	Windows 10/8.1/8/7/Server 2016/Server 2012/Server 2008R2 Linux Debian 6.0+ / Ubuntu 11.04+ / Fedora 15+; Open SUSE 11.4+ Mac OS X; Android™ 4.x-7.x**
Driver	CCID native driver from operating system (Windows/Linux/Mac)
Supported APIs	PC/SC - API
HUMAN INTERFACE	
Status Indicator	White LED
HOUSING	
Housing	OMNIKEY Professional Line Desktop Design Poly Carbonate Cover grey / Body light grey Customer-specific logo or colour on request Protection Rating: IP54 (dust/splashing water)
Dimensions	2.79" x 3.66" x 0.63" (71 mm x 93 mm x 16 mm)
Weight	-100 g (3.53 oz)
OPERATING CONDITIONS	
Operating Temperature	32-131 F (0-55°C)
Operating Humidity	10-95% rH (not condensing)
Storage Temperature	-4 - 176 F (-20 - 80°C)
Durability	100.000 insertions
Meantime Between Failure (MTBF)	500.000 hours
COMPLIANCE AND REGULATORY	
Compliance / Certification	USB 2.0
Regional certifications	CE, FCC, UL, KCC, RCM, ICES (Canada)
Environmental	WEEE, RoHS2, Reach
ORDERING INFORMATION	
Warranty	White LED
Optional	OEKO-TEX® Standard 100 Level 1

* reader/writer mode only; limited support of NTAG memory size / NDEF format to be implemented by additional software
** Support later after launch

For more information, please [click here](#)



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