HID

OMNIKEY® 5422
Dual Interface Reader

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.

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.

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 smarts 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.

hidglobal.com

North America: +1 512 776 9000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

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SPECIFICATIONS

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 (I²C, 2WBP, 3WBP)
Voltage	5V, 3V, 1.8V
Card Size	ID1 (Full size)
Power to Smart Card	60mA
Smart Card 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) NFC Tag 1,2,4*
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
Dimensions	2.79" x 3.66" x 0.63" (71 mm x 93 mm x 16 mm)
Weight	~100 g (3.53 oz)
Protection Rating	IP54 (dust/splashing water)
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	Two-year manufacturer's warranty
Optional	Mounting accessories kit Card Holder for card presence operation

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