

# 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® as well as FIDO2 NFC authenticators.

The OMNIKEY 5422 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.

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## 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.
- Supports FIDO/FIDO2 NFC authenticators like YubiKey NFC, HID Crescendo smart cards & keys



<b>Base Model Number</b>	OMNIKEY® 5422
	<b>CONTACT SMART CARD INTERFACE</b>
<b>Standards &amp; Protocols</b>	ISO7816 Class A/B/C T=0, T=1 S=8, S=9, S=10 (I²C, 2WBP, 3WBP)
<b>Voltage</b>	5V, 3V, 1.8V
<b>Card Size</b>	ID1 (Full size)
<b>Power to Smart Card</b>	60mA
<b>Detection</b>	Movement detection with auto power-off / Automatic detection of smart card type/ Short circuit and thermal protection
<b>8-PIN Handling</b>	C4 / C8 supported
	<b>CONTACTLESS SMART CARD INTERFACE</b>
<b>Protocols</b>	T=CL, MIFARE®, iCLASS® ISO 14443A/B - up to 848 kbps (depending on card) iCLASS 15693 up to 26kbps (depending on card)
	<b>HOST INTERFACE</b>
<b>USB Interface</b>	USB 2.0 Full Speed Device (12 MBps) USB 3.0 extended operability, tested with hubs/controllers
<b>Connector / Cable</b>	USB Type A connector; 59.1" (150 cm) cable
<b>Operating Systems</b>	Windows 11/10/8.1/8/7/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**
<b>Driver</b>	CCID native driver from operating system (Windows/Linux/Mac)
<b>Supported APIs</b>	PC/SC - API
	<b>HUMAN INTERFACE</b>
<b>Status Indicator</b>	White LED
	<b>HOUSING</b>
<b>Housing</b>	OMNIKEY Professional Line Desktop Design Poly Carbonate Cover grey / Body light grey Customer-specific logo or colour on request Protection Rating: IP32 (dust/splashing water)
<b>Dimensions</b>	2.79" x 3.66" x 0.63" (71 mm x 93 mm x 16 mm)
<b>Weight</b>	-100 g (3.53 oz)
	<b>OPERATING CONDITIONS</b>
<b>Operating Temperature</b>	32-131 F (0-55°C)
<b>Operating Humidity</b>	10-95% rH (not condensing)
<b>Storage Temperature</b>	-4 - 176 F (-20 - 80°C)
<b>Durability</b>	100.000 insertions
<b>Meantime Between Failure (MTBF)</b>	500.000 hours
	<b>COMPLIANCE AND REGULATORY</b>
<b>Compliance / Certification</b>	USB 2.0
<b>Regional certifications</b>	CE, UKCA, FCC, UL, KCC, RCM, ICES (Canada)
<b>Environmental</b>	WEEE, RoHS2, Reach
	<b>ORDERING INFORMATION</b>
<b>Warranty</b>	Two-year manufacturer's warranty
<b>Optional</b>	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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