



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 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.



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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 (I ² C, 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