IDCR@FT
RFID & NFC EXPERTS

HF | NFC - Desktop Reader
HID - OMNIKEY® 5422

- ISO 14443 A/B & ISO 7816 compliant dual-interface design
- Supports MIFARE®, DESFire®, iCLASS® & Seos® (OTP)
- Native CCID driver – no installation required
- Broad OS compatibility
- Interoperable with FIDO2 NFC authenticators

HF | NFC - Desktop Reader
Secure, PC-Linked Credential Verification

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.

Common Applications

- e-Government
- Banking & Financial Services
- Single Sign On
- Loyalty Management
- Membership Managment
- Access Management

TECHNICAL SPECIFICATIONS

Contactles Smart Card Interface

Protocols	HID iCLASS®, iCLASS Elite, iCLASS Seos ISO 14443A/B, T=CL, MIFARE® Classic, Ultralight, DESFire 0.6, EV1, EV2, ISO 15693 eg. Tag-It, MY-D, iCODE NFC Tag 1,2,3,4*,5

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
Detection	Movement detection with auto power-off / Automatic detection of smart card type/ Short circuit and thermal protection
8-PIN Handling	C4 / C8 supported

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; 150 cm cable
Operating Systems (Keyboard Wedge Mode)	Windows 11/10/8.1/8/7/Vista/Server 2012/Server 2008R2, Windows CE (6/7) depending on hardware, Linux Debian 6.0+ / Ubuntu 11.04+/ Fedora 15+; Open SUSE 11.4+ Mac OS X; Android™ 4.0
Driver	CCID native driver from operating system (Windows/Linux/Mac)
Supported	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: IP32 (dust/splashing water)
Dimensions	71 mm x 93 mm x 16 mm
Weight	~100 g

Operating Conditions

Operating Temperature	0-55°C
Operating Humidity	10-95% rH (not condensing)
Storage Temperature	-40 - 80°C
Durability	100.000 insertions
Meantime Between Failure	500.000 hours

Compliance Regulatory

Compliance / Certification	USB 2.0
Regional certifications	CE, UKCA, FCC, UL, KCC, RCM, ICES (Canada)
Environmental	WEEE, RoHS2, Reach

Part No. / Model

	HID - OMNIKEY® 5422