OMNIKEY® 5022 USB Reader

Contactless high frequency smart card reader for fat, thin and zero clients.

HID Global's OMNIKEY® 5022 enables strong authentication to data and cloud applications, supporting 13.56 MHz credentials such as iCLASS®, DESFire® or MIFARE®.

Typical environments for the reader include healthcare, pharmaceutical, financial services, enterprise, government and other agencies seeking higher security and access management.

The OMNIKEY 5022 read can also be used to meet security and regulatory compliance requirements which mandate two-factor user authentication for accessing workstations and applications.

The reader 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.

By supporting numerous credentials based on common ISO14443 A/B, ISO 15693 standards, the reader is an ideal entry-level choice to support a small footprint.

The OMNIKEY 5022 is interoperable with a number of smart card technologies, tags, and NFC-enabled smart devices, including FIDO2.

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

KEY BENEFITS:

- **Leverage existing employee badge –** Expand 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.
- **Compact Form factor –** enables two-factor authentication in space-restricted work environments such as healthcare.

OPTIONAL FEATURES:

- Color kit (with six different colors)
- Mounting kit including a mounting plate, screw and glue options
- Card holder for card presence requirements

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PRODUCT FEATURES:

- For traditional clients as well as thin- and zero 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.
- Small and sleek footprint with optional mounting options.
- Global certifications for worldwide usage.
- FIDO/FIDO2 NFC tokens & cards support
- Interoperable with various smart card technologies, tags and standards such as ISO 14443 A/B, ISO 15693, iCLASS®, MIFARE® Classic / Ultralight / Ultralight C / Plus, MIFARE DESFire® / DESFire EV1 / DESFire EV2.
- Support for HID Global solutions : ActivID® ActivClient, ActivID® Applets, and HID Trusted Tag® Service.

	USB Smart Card Reader in small form-factor
Base Model Number	OMNIKEY 5022
	CONTACT SMART CARD INTERFACE
Protocols	T=CL, MIFARE®, iCLASS® ISO 14443A/B - up to 848 kbps (depending on card) ISO 15693 - up to 26 kbps (depending on card) NFC Tag 1-4*
	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/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 APIs	PC/SC - API
	HUMAN INTERFACE
Status Indicator	White LED
	HOUSING
Housing	Poly Carbonate Body Light Grey / Cover in different colors available Customer-specific logo or colour on request
Dimensions	2.32"" x 2.32" x 0.44" (59 x 59 x 11,4 mm)
Weight	~70 g (2.5 oz)
	OPERATING CONDITIONS
Operating Temperature	32-158 F (0-70°C)
Operating Humidity	10-95% rH
Storage Temperature	-4 - 176 F (-40 - 80°C)
Meantime Between Failure (MTBF)	500.000 hours
	COMPLIANCE REGULATORY
Compliance / Certification	USB 2.0
Regional certifications	CE, FCC, UL, KCC, RCM
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; NDEF format to be implemented by additional software Felica: UID only

HID