OMNIKEY® 5022

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



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

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

For highly sensitive environments and cleanrooms where hygiene is paramount, OMNIKEY 5022 is available with an IP-67 rating to ensure it protects against dust and water. It boasts a sleek design for effortless cleaning and is ideally suited for medical device manufacturing, pharmaceutical, food manufacturing, biotechnology, aerospace, semiconductor manufacturing, university research and other highly regulated landscapes which require the use of cleaning and disinfection solvents.

The OMNIKEY 5022 reader 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'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
- Options for cable length and USB A or USB C Connection
- IP-67 rated variant for regulated environments to ensure minimal particle and chemical contamination; water-resistant; ideal for healthcare, pharmaceuticals and other controlled environments

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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.
- Supports NFC FIDO/FIDO2 devices
- 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 solutions : ActivID® ActivClient, ActivID® Applets, and HID Trusted Tag® Service.

	USB Smart Card Reader in small form-factor	
Base Model Number	OMNIKEY 5022CL	
	STANDARD VERSION	**VERSION FOR HIGHLY SENSITIVE ENVIRONMENTS**
	CONTACTLESS 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* Read/write with FIDO2 NFC Token	
	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 or C connector; 59.1" (150 cm) or 5" (13 cm) cable	USB A Connector 59.1" (150cm) 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 color on request	Body and protective cover: Polycarbonate Body: White/clear protective casing
Dimensions	2.32"" x 2.32" x 0.44" (59 x 59 x 11,4 mm)	69.6 x 63.5 x 22.1 mm (2.74" x 2.5" x 0.87")
Weight	~70 g (2.5 oz)	~96g (3.4 oz)
Protection Class		IP67
	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, UKCA, 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
** Cannot be used with IP67 housing

hidglobal.com

North America: +1 512 776 9000 | Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +353 91 506 900
Asia Pacific: +852 3160 9800 | Latin America: +52 55 9171 1108
For more global phone numbers click here

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2024-02-29-eat-omnikey-5022-usb-reader-ds-en PLT-02799
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