

# OMNIKEY® 5022CR Desktop Reader

Contactless smart card reader for highly sensitive environments where disinfection requirements and cleanliness is needed

Built for purity and powerful performance, the HID OMNIKEY 5022CR smart card reader is designed specifically for the highly sensitive environments and cleanrooms where hygiene is paramount. With an IP-67 rating to ensure it protects against dust and water — and boasting a sleek design for effortless cleaning — this hygiene-optimized module 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.

Beyond its exceptional hygienic qualifications, the OMNIKEY 5022CR delivers enhanced security and convenience. Contactless technology allows for quick and secure authentication — eliminating the need for physical card contact and reducing the risk of cross-contamination.

Broad technology support makes it compatible with a wide range of existing cards and devices, ensuring seamless integration and harmony within your existing infrastructure.

Cleanroom security, authentication and convenience are hallmarks of HID's OMNIKEY 5022CR reader, setting a new standard for versatile, meticulous access within the company's sophisticated sphere of identity verification solutions.



## KEY BENEFITS:

- **IP-67 Rated for regulated Environments** – Ensures minimal particle and chemical contamination; water-resistant; ideal for healthcare, pharmaceuticals and other controlled environments
- **Sleek Design for Easy Disinfection** – Beveled housing, no sharp edges, grooves or seams prevent liquids from pooling and facilitates thorough cleaning
- **Compact form factor** – Suited for space-constrained environments

## PRODUCT FEATURES:

- For traditional clients as well as thin and zero client products and solutions
- Uses native CCID (Chip Card Interface Device) 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
- Compatible with Windows, Linux, Apple, ChromeOS and Android operating systems\*
- Supports contactless smart 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, and 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	
<b>Base Model Number</b>	OMNIKEY 5022CR
CONTACTLESS SMART CARD INTERFACE	
<b>Protocols</b>	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	
<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)
<b>Operating Systems</b>	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
<b>Driver</b>	CCID native driver from operating system (Windows/Linux/Mac)
<b>Supported APIs</b>	PC/SC - API
HUMAN INTERFACE	
<b>Status Indicator</b>	White LED
HOUSING	
<b>Housing</b>	Body and protective cover: Polycarbonate Body: White/clear protective casing
<b>Dimensions</b>	69.6 x 63.5 x 22.1 mm (2.74" x 2.5" x 0.87")
<b>Weight</b>	~96g (3.4 oz)
<b>Protection Class</b>	IP67
OPERATING CONDITIONS	
<b>Operating Temperature</b>	32-158 F (0-70°C)
<b>Operating Humidity</b>	10-95% rH
<b>Storage Temperature</b>	-4 - 176 F (-40 - 80°C)
<b>Meantime Between Failure (MTBF)</b>	500,000 hours
COMPLIANCE REGULATORY	
<b>Compliance / Certification</b>	USB 2.0
<b>Regional certifications</b>	CE, UKCA, FCC, UL, KCC, RCM
<b>Environmental</b>	WEEE, RoHS2, Reach
ORDERING INFORMATION	
<b>Warranty</b>	Two-year manufacturer's warranty

\* Reader/writer mode only; NDEF format to be implemented by additional software Felica: UID only



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**For more global phone numbers click here**

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