

OMNIKEY 5022 IP67 Desktop Reader

Contactless smart card reader for sterile and cleanroom environments



Built for purity and powerful performance, the HID OMNIKEY 5022 IP67 smart card reader is designed specifically for the sterile and cleanroom environments 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 desktop reader 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 5022 IP67 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.

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

Cleanroom security, authentication and convenience are hallmarks of HID's OMNIKEY 5022 IP67 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 sterile 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** – Enables authentication in space-restricted work environments
- **Leverage existing employee badge** – Expand the usage of existing physical access cards to computer logon, as well as network and cloud access.

PRODUCT FEATURES:

- For traditional clients as well as thin and zero client
- 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
- Supports NFC/FIDO2 devices
- Only CSN Reading capabilities with various smart card technologies, tags and standards such as ISO 14443 A/B, ISO 15693, iCLASS®, MIFARE® Ultralight® / Ultralight C / Plus, and MIFARE® DESFire® / DESFire EV1 / DESFire EV2 / DESFire EV3
- Supports MIFARE® Classic®
- Supports MIFARE® DESFire® EV1, EV2 and EV3 under specific conditions **
- 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 5022 IP67
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 connector; 59.1" (150 cm) cable
Operating Systems	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 Google ChromeOS
Driver	CCID native driver from operating system (Windows/Linux/Mac)
Supported APIs	PC/SC - API
HUMAN INTERFACE	
Status Indicator	White LED
HOUSING	
Housing	Body and protective cover: Polycarbonate Body: White/clear protective casing
Dimensions	69.6 x 63.5 x 22.1 mm (2.74" x 2.5" x 0.87")
Weight	~96g (3.4 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
Protection Class	IP67
Regional certifications	CE, UKCA, FCC, UL, KCC, RCM
Environmental	WEEE, RoHS2, Reach
ORDERING INFORMATION	
Warranty	Two-year manufacturer's warranty

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

** When the AID and elementary files are neither protected nor encrypted



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