

HF | NFC - Desktop Reader **HID - OMNIKEY® 5023**

- Supports Seos®, iCLASS SE®, iCLASS Elite® & DESFire®
- Google ARCore certified
- 5G, WiFi, Bluetooth 5.2, GPS
- Up to 1,5 m reading range
- IP65 protection



HF | NFC - Desktop Reader Next-Gen Smart Card Security

HID Global's OMNIKEY® 5023 enables strong authentication to computer, network or cloud applications, supporting 13.56 Mhz credentials with enhanced system security such as iCLASS Seos®, iCLASS SE®, iCLASS Elite®, as well as FIDO2 NFC authenticators. Typical environments for the reader include healthcare, pharmaceutical, financial services, enterprise, government and other agencies seeking higher security and access management.

The new reader has an integrated cryptographic module supporting enhanced security schemes such as Secure Identity Object™ (SIO). HID Global's SIO-enabled ecosystem offers a highly secure, standards-based, technology-independent and flexible identity data structure.

The reader is supporting Seos and is part of the iCLASS SE Platform. It provides multi-layer security that extends beyond the card technology for additional protection to identity data.

The OMNIKEY 5023 can also be used to meet security and regulatory compliance requirements which mandate two-factor user authentication for accessing workstations and applications. As part of the ActivID® Tap Authentication™ solution, the reader also enhances the user experience and security by allowing user to simply tap a card to a device in order automatically generate an OTP (One-time password) for secure login. The reader is integrated and tested with HID Global's ActivID® Tap™ solution, ActivID® ActivClient, and ActivID® Applets.

Common Applications

- Government & Public Sector Security
- Enterprise SSO & Strong Workstation Logon
- Financial Services & Regulated Environments
- Identity & Access Management Deployments
- Thin-Client & Zero-Client Infrastructure



TECHNICAL SPECIFICATIONS

Contactless Smart Card Interface

Protocols	T=CL, MIFARE®, iCLASS® ISO 14443A/B - up to 848 kbps (depending on card), iCLASS SE and Seos (can read data only / no writing), Felica (only UID), NFC Tag (1,2,3,4)
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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	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 APIs	PC/SC - API, SAM - API

Human Interface

Status Indicator	White LED
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Housing

Housing	Poly Carbonate Body Light Grey / Cover in Dark Blue
Dimensions	59 x 59 x 11,4 mm
Weight	~70 g

Operating Conditions

Operating Temperature	0-70°C
Operating Humidity	10-95% rH
Storage Temperature	-40 - 80°C
Meantime Between Failure	500.000 hours

Compliance Regulatory

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

Part No. / Model

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