

OMNIKEY 5022 USB Reader

Contactless high frequency
smart card reader



HID's OMNIKEY® 5022 enables strong authentication to data and cloud applications, supporting 13.56 MHz credentials such as iCLASS® CSN reading capabilities, MIFARE® Classic® and MIFARE® DESFire® under specific conditions **, as well as NFC-enabled smart devices, including FIDO2.

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

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

OMNIKEY 5022 is certified under Google Works With Chromebook program, ensuring compatibility with Google ChromeOS devices. It is also certified as IGEL ready for seamless integration with IGEL's endpoint management solutions.



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

- 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

OMNIKEY® 5022 USB Reader



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, Google ChromeOS.*
- 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
- 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 | |
|---|--|
| Base Model Number | OMNIKEY 5022 |
| 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 |
| 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 | 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, 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 |



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Part of ASSA ABLOY

* 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

For more information, visit [this page](#).