OMNIKEY® 5027 USB Reader



HID Global's OMNIKEY® 5027 is designed for customers who want to utilize their existing access control badge for strong authentication to computer, network or cloud applications beyond physical access control.

Typical environments for this reader include enterprise, healthcare, pharmaceutical, financial services, government, and other agencies seeking an easy integration with higher security and access management.

The new reader supports 13.56 MHz credentials such as iCLASS®, DESFire® or MIFARE® and has an integrated cryptographic module supporting credentials with enhanced system security such as iCLASS Seos®, iCLASS SE®, iCLASS Elite®.

Due to its keyboard wedge functionality the reader can be easily integrated. Data from the card can be retrieved and transformed for direct input into applications using keystroke emulation and therefore eliminates the need for organizations to manually enter card data into applications.

The reader uses the native Human Interface driver from operating system and 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.

The reader comes preconfigured and can be used out of the box for the most common cards and use cases.

System Integrators appreciate the easy configuration and the numerous options using the Workbench Tool. The options include type of credential used, extracting CSN or different PACS data fields, pre and post strokes.

Any custom configuration can be easily multiplied using a configuration card or file in the Workbench Tool.



HIGH FREQUENCY CONTACTLESS READER WITH KEYBOARD WEDGE

- **Easy to Integrate –** Straightforward utilization of existing access control credentials based on keyboard wedge
- **Supports high frequency credentials –** including iCLASS Seos®, iCLASS SE®, MIFARE Classic® and MIFARE® DESFire® EV1 as well as NFC
- **Preconfigured –** by default configured for an easy output of most common credentials
- **Ease of Configuration –** by using Workbench Tool, configuration file or cards

OPTIONAL ACCESSORIES

- Mounting kit including a mounting plate, screw and glue options
- Card holder for card presence requirements

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PRODUCT FEATURES:

- Uses native Human Interface Device driver from operating system – no additional driver installation required.
- For traditional clients as well as thin- and zero client products and solutions.
- Supports Windows, Linux, MacOS and Android.
- Small and sleek footprint with optional mounting accessories.
- Global certifications for worldwide usage.

SUPPORTS BROAD RANGE OF CREDENTIALS:

- ISO 14443 A/B
- ISO 15693
- HID iCLASS®, iCLASS Elite, iCLASS Seos
- MIFARE® Classic / Ultralight / Ultralight C / Plus
- MIFARE DESFire® / DESFire EV1
- NFC Tags 1-5

Base Model Number	OMNIKEY 5027
	CONTACTLESS SMART CARD INTERFACE
Protocols	HID iCLASS®, iCLASS Elite, iCLASS Seos ISO 14443A/B, T=CL MIFARE® Classic, Ultralight, DESFire 0.6, EV1, EV2 ISO 15693 eg. Tag-It, MY-D, iCODE NFC Tag 1,2,3,4*,5
	OUTPUT CAPABILITIES
Card Serial Number CSN (UID)	Raw and Formatted
Physical Access Data (eg. Building ID)	Raw and Formatted
Number of Output Fields	Up to three output values configurable
Usage Indicator	LED and/or Buzzer activation
	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 (Keyboard Wedge Mode)	Windows 11/10/8.1/8/7/Server 2016/Server 2012/Server 2008R2 Linux Debian 6.0+ / Ubuntu 11.04+/ Fedora 15+; Open SUSE 11.4+ Mac OS X; Android™ 4.x-8.x
Driver	Native keyboard (Human Interface Device) driver from operating system
Configuration Options	OMNIKEY Workbench Tool on MS Windows Configuration API / Remote Management Configuration cards
	HUMAN INTERFACE
Status indicator	White LED and Buzzer
Output Speed	less than 300ms from card presentation to output start
	HOUSING
Housing	Poly Carbonate Body Light Gray / Dark Blue Housing Customer-specific logo or color on request
Dimensions	2.32"" x 2.32" x 0.44" (59 x 59 x 11,4 mm)
Weight	~71 g (2.5 oz)
	OPERATING CONDITIONS
Operating Temperature	32-158 F (0-70°C)
Operating Humidity	10-95% rH (not condensing)
Storage Temperature	-40 - 176 F (-40 - 80°C)
Meantime Between Failure (MTBF)	500.000 hours
	COMPLIANCE AND REGULATORY
Compliance / Certification	USB 2.0, (USB3.0 tested), TAA+B15
Regional Certifications	CE, UKCA, FCC, UL, RCM, ICES (Canada)
Environmental	WEEE, RoHS3, Reach
	ORDERING INFORMATION
Warranty	Two-year manufacturer warranty
Optional	Mounting accessories kit

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