

OMNIKEY® 5127CK Reader



CONTACTLESS READER WITH CCID AND KEYBOARD WEDGE INTERFACE

- **CCID Support** – Eliminates the requirement to install drivers on standard operating systems
- **Keyboard Wedge Support** – Retrieves data from a card and forwards the information directly to an application by emulating keyboard strokes
- **Rapid and Easy Integration** – Straightforward utilisation of existing Access control credentials for PC login
- **Dual Frequency** – Allows straightforward migration by simultaneously supporting low and high frequency credentials including HID Prox®, iCLASS®, MIFARE™ Classic and MIFARE™ DESFire™ EV1

HID Global's OMNIKEY 5127CK Reader functions in almost any PC environment. Independent of operating system and use case either CCID or Keyboard wedge provide the perfect solution without the need to install or maintain drivers. This eliminates complex software life-cycle management issues in the field and accelerates introduction of finished devices in the market.

With the keyboard wedge functionality, users of OMNIKEY 5127CK readers can retrieve data from a card that is presented to the reader and directly input the card data into an application using keystroke emulation. This eliminates the need for customers to manually enter the card data into an application. The OMNIKEY 5127CK reader offers the market proven OMNIKEY reader feature set, supporting low and high frequency technology within a

single device that enables credential migration projects to disburden the environment in mixed credential technology scenarios.

Key features of the OMNIKEY 5127CK reader include support for the most common low and high frequency card technologies, including iCLASS, MIFARE and HID Prox.

It also includes an integrated management tool that enables field updates to readers for new firmware or changing configuration settings.

For embedded applications the 5127CK is also available as a Reader Board and a Developer Tool Kit (DTK). The DTK provides the necessary tools, documentation and developer resources material to shorten integration cycles and speed time to market with finished products.

FEATURES:

CCID Support

- Native CCID implementation supporting WINDOWS[®], LINUX[®] and MAC[®] operating systems

Keyboard Wedge

- Fully configurable and programmable keyboard wedge functionality featuring an integrated management console
- Flexible configuration of data structures and output modes

Broad Credential Support

- Dual frequency functionality allowing support for both low and high frequency credentials simultaneously
- iCLASS[®], HID Prox[®], MIFARE[™] Classic, MIFARE[™] DESFire EV1[™]

Enhanced Lifecycle Management

- Easy firmware updates and configuration setting by utilizing a Web interface and SNMP messages



SPECIFICATIONS

Base Model Number	OMNIKEY [®] 5127 CK, R51270002-1
Dimensions	3.02" x 2.99" x 1.1" (76 mm x 77 mm x 28 mm)
Weight	Approx. 3.88 oz (110 g)
Power Supply	Bus powered
Operating Temperature	32° - 122° F (0° - 50° C)
Operating Humidity	10 - 90% Relative Humidity
Storage Temperature	-4° - 149° F (-20° - 65° C)
HOST INTERFACE	
Host Interface	USB 2.0 (also compliant with USB 1.1)
Transmission Speed	12 Mbps (USB 2.0 full speed)
CONTACTLESS SMART CARD INTERFACE	
Cards & Protocols High Frequency	MIFARE [™] Classic 1K / 4K, Ultra Light, Ultra Light C, Plus, MIFARE [™] DESFIRE [™] 0.6, MIFARE [™] DESFIRE [™] EV1, iCLASS [™] ISO 14443 A with up to 848 kbps transmission rate (depending on card ¹), iCLASS [™] ISO 15693 with up to 26 kbps transmission rate (depending on card)
Cards & Protocols Low Frequency	HID PROX [®]
Supported APIs	PC/SC (ready for 2.01, in CCID mode), Human Interface Device (in Keyboard Wedge Mode)
Driver Support	Compliant with native Human Interface Drivers (in Keyboard Wedge Mode) Compliant with native CCID drivers (in CCID mode) HID proprietary PC/SC drivers available for Windows [®] XP, Vista, 7, 2008, 2008 R2 (all 32 bit/64 bit), HID proprietary drivers available for Linux [®] operating systems (32/64bit): Debian 6.0, Fedora 15, OpenSUSE 11.4, Ubuntu 11.04, Mac [®] OSX 10.5/10.6/10.7
Status Indicator	Dual color LED (green=ready, red=busy) Buzzer (programmable)
Connector Cable	USB A connector
Approvals / Environmental	Compliant to ROHS/REACH, WEEE, IEC 60950-1, CE, FCC, IC (Canada)
Warranty	Two year manufacturer's warranty

¹424 kbps default data rate, 848 kbps configurable through web interface

North America: +1 949 732 2000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

hidglobal.com

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