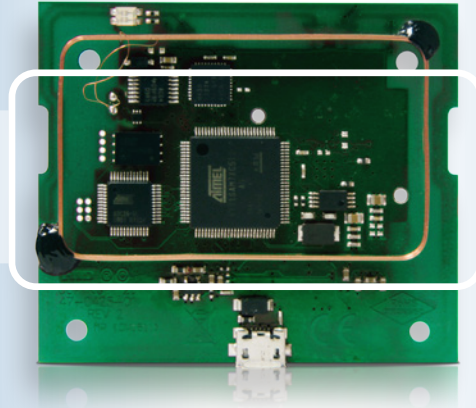**HID**®

OMNIKEY® 5127CK
Reader Board

EMBEDDED CCID AND KEYBOARD WEDGE RFID READER BOARD

- **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** – Developer Tool Kit allows rapid and easy integration of the reader board
- **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 board opens new market opportunities for system integrators seeking simple integration and development of readers using standard interfaces such as CCID (Circuit Card Interface Device). This built-in feature enables integrators to design finished readers without needing to install or maintain drivers, eliminating complex software lifecycle management issues in the field and accelerating introduction of finished devices in the market. These devices are commonly used in printers, copiers, vending machines and access control systems.

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 board 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 board 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 quick and easy integration, HID Global provides a Developer Tool Kit (DTK) for the OMNIKEY 5127CK reader board. The DTK provides the necessary tools, documentation and developer resources material to shorten integration cycles and speed time to market with finished products.

hidglobal.com

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™
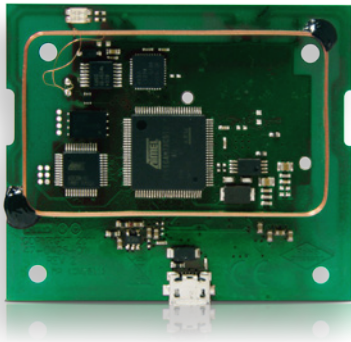
Enhanced Lifecycle Management
- Easy firmware updates and configuration setting by utilizing a Web interface and SNMP messages

OK 5127CK Developer Toolkit (DTK)
- Provides a complete set of tools and resources for immediate development
- Includes a reader, sample cards and documentation to accelerate the development process and to accelerate time to market with finished products.

Expanded ecosystem of Genuine HID™ solutions
- Enables developers to easily bring embedded solutions to market and become part of the Genuine HID technology ecosystem.

SPECIFICATIONS

Base Model Number	OMNIKEY® 5127 CK, R51270001-1
Dimensions	2.6" x 2.2" x 0.35" (66 mm x 56 mm x 9 mm)
Weight	Approx. 0.49oz (14 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, Open-SUSE 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	Micro USB connector (cable not included)
Approvals / Environmental	Compliant to ROHS/REACH, WEEE, IEC 60950-1, CE, FCC Modular, IC (Canada)
Warranty	Two year manufacturer's warranty

[1] *424 kbps default data rate, 848 kbps configurable through web interface*

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