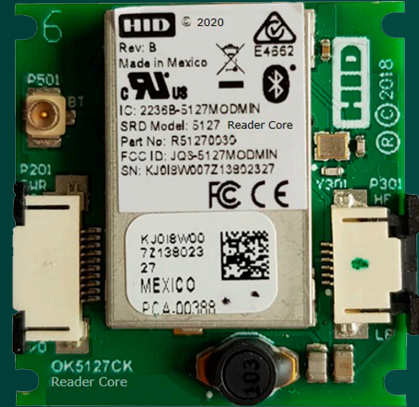


HF | LF - Reader Module

HID - OMNIKEY® 5127CK Core

- Dual-frequency RFID with ISO 14443 A/B & ISO 15693
- Supports Seos®, iCLASS®, MIFARE® & HID Prox®
- Multi-interface support: CCID, UART, USB & keyboard wedge
- NFC & Bluetooth (BLE) support for mobile credentials
- Fast integration using Developer Tool Kit (DTK)



HF | LF - Reader Module Multi Interface Support

HID Global's OMNIKEY 5127CK Reader Core opens market opportunities for system integrators seeking simple integration and development of readers using standard interfaces such as CCID, UART or keyboard wedge. The new OMNIKEY 5127CK Reader Core compliments the existing 5127CK Mini and 5427CK Reader by providing a very compact design for installation in space constrained solutions such as mobile devices. External off-board HF/LF and Bluetooth Smart antennas offer flexibility to design custom antennas to meet specific embedded requirements. The addition of full support for USB suspend/resume and remote wake-up provides a solution for power sensitive applications. The CCID, Interface enables integrators to design finished solutions without the need to install or maintain drivers, eliminating complex software lifecycle management issues in the field and accelerating introduction of finished devices in the market.

With the keyboard wedge functionality, the reader 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 Core offers the market proven OMNIKEY reader feature set supporting low and high frequency technology within a single device as well as the capability of providing support for the latest Mobile Access Solutions via NFC or Bluetooth Smart.

Key features of the OMNIKEY 5127CK Reader Core include support for the most common low and high frequency card technologies, including Seos, iCLASS SE, MIFARE Classic and HID Prox. It also includes an integrated management tool that enables field updates to readers for new firmware or changing configuration settings.

Common Applications

- Industrial terminals & handheld equipment
- Secure mobile & desktop authentication
- Healthcare & pharmaceutical systems
- Government & enterprise identity management
- Kiosk, vending & payment terminals
- Embedded access control devices



TECHNICAL SPECIFICATIONS

Physical Characteristics

Dimensions	Reader Core: 27 x 26 x 5.3mm W and D +/- 0.20mm H +/- 0.20mm HF/LF Antenna 37.1 x 27.6 x 0.9mm W and D +/- 0.20mm H +/- 0.20mm – Cable 14.6mm
Weight	Reader Core: 3.5g HF/LF Antenna: 1.3g
Power Supply	Bus powered
Current Requirements (HF, LF and Bluetooth Smart Polling)	With Credential in the field: 350mA No Credential in the field: 125mA Standby (Sleep Current): 1.2mA
Operating Temperature	-20° to 70° C
Operating Humidity	0 - 90% Relative Humidity
Storage Temperature	-40° to 80° C

Host Interface

USB Interface	USB 2.0 (also compliant with USB 1.1) USB suspend/resume operation and remote wakeup is fully supported
Transmission Speed	12 Mbps (USB 2.0 full speed)
Operating Systems	Windows 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 to 9.x**
PC/SC Driver	CCID native driver from operating system (Windows/Linux/Mac)
Supported APIs	PC/SC - API, SAM - API

Contactless Smart Card Interface

Protocols and Cards HF*	iCLASS, iCLASS SE/SR, iCLASS Seos, MIFARE Classic, MIFARE DESFire 0.6, MIFARE DESFire EV1/EV2, MIFARE Ultralight C, MIFARE Ultralight, FeliCa (Idm) CEPAS (CAN) ISO 11443A/B, ISO15693 Support for ISO18092 NFC Tag type 1, 2, 3, 4, 5 T=CL, SmartMx, Student ID in Apple Wallet
Protocols and Card LF*	HID PROX®, Indala Prox, EM Prox, EM4100/4102/4200/4305/4450, AWID Prox, Hitag 1.2.3, ASK, PSK, FSK

Human Interface

Antennas	1 x External Combined HF/LF Antenna 1 x External Bluetooth Smart Antenna
Connectors	10 way contacts-up FFC Connector - USB, UART, LED, Buzzer connections 6 way contacts-up FFC Connector - HF/LF Antenna connections U. FL Coaxial Connector for Bluetooth Antenna
Optional Accessories	OMNIKEY 5x27CK Development Toolkit

Compliance Regulatory

Approvals/Environmental	ROHS/REACH, WEEE, IEC 60950-1, CE, FCC Modular, IC (Canada)
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Part No. / Model

	HID - OMNIKEY® 5127CK Reader Core
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