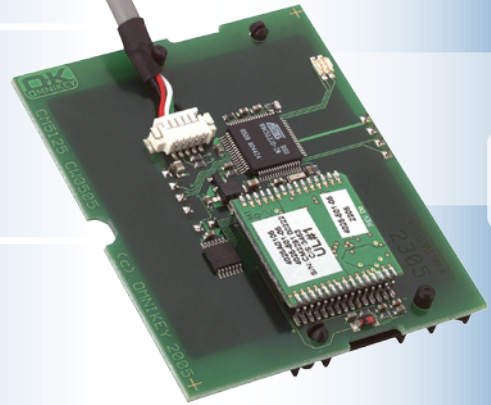


OMNIKEY® 5125 USB Reader Board



HIGH PERFORMANCE SMART CARD READER BOARD

- **Design** – Designed for easy and quick integration while offering unparalleled support and compatibility to HID Prox standards
- **Plug-and-Play** – Designed to facilitate easy device installation and automatic configuration
- **Fast and Secure Data Transmission** – Advanced design and features enable shorter card read time
- **Small board size** - Requires minimal footprint inside a third-party product

The OMNIKEY® 5125 reader board enable OEMs, value added resellers and system integrators to build solutions for contact and contactless security and loyalty applications. The reader board is ideal for organisations that need to integrate a convenient contact smartcard and/or HID Prox® PC connected reader board and/or contactless PC connected smartcard reader board.

The OMNIKEY® 5125 reader board is optimized for easy design-in such as:

- Contact and/or contactless security applications such as Windows® log-on, mail encryption, hard disk encryption and secure transactions
- Loyalty applications
- Secure print applications
- Home banking applications
- Any other application supporting contactless or dual interface cards.

OMNIKEY® 5125 Reader Board

- **Small Board Size** – Requires a minimal footprint inside a third-party product USB connected PCB powered over USB
- **Mounting bracket** - Ensures interchangeability of matching contact and contactless reader board within one device.

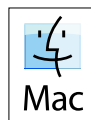
The reader board supports all major operating systems and meet major standards including HID Prox, ISO 7816, EMV 2000, Microsoft WHQL and PC/SC.

For actual driver downloads please visit www.hidglobal.com/omnikey

SPECIFICATIONS

Base Model Number	R51250017-1 - 5125 Reader Board W/O Cable	R51250018-1 - 5125 Reader Board with 180cm Cable
Dimensions	66 x 56 x 14mm (2.60" x 2.20" x 0.55")	
Dimensions	66 x 56 x 14mm (2.60" x 2.20" x 0.55")	
Weight	Approx. 77 gr / 2.72 oz	
Power Supply	Bus powered	
Operating Temperature	0°- 55°C (32° - 131°F)	
Operating Humidity	10-90% rH	
HOST INTERFACE		
Host Interface	USB 2.0 CCID ¹ (also compliant with USB 1.1)	
Transmission Speed	12 Mbps (USB 2.0 full speed)	
SMART CARD INTERFACE		
Standards	ISO 7816 & EMV2 2000 Level 1	
Protocols	T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), SLE 4404, I2C (S=8)	
Card Size	ID-1 (full-size)	
Smart Card Interface Speed	420 kbps (when supported by card)	
Smart Card Clock Frequency	Up to 8 MHz	
Supported Card Types	5V, 3V and 1.8V Smart Cards, ISO 7816 Class A, AB and C	
Power to Smart Card	60 mA	
Smart Card Detection	Movement detection with auto power-off /Automatic detection of smart card type / Short circuit and thermal protection	
8-Pin Handling	C4 / C8 supported	
Supported APIs	PC/SC driver CT-API (on top of PC/SC, for contact interface) OCF (on top of PC/SC, for contact interface) Synchronous API (on top of PC/SC, for contact interface)	
PC / SC Driver Support	Windows® 2000 (32bit) / XP (32bit/64bit), Server 2003, 2008, 2008 R2, Windows® CE 5.0 / 6.0 / 6.5 (depending on hardware), Windows Vista (32bit/64bit), Windows 7 (32bit/64bit), Linux®, Mac® OS X 10.5 /10.6	
Status Indicator	Dual Color LED	
Contactless (RFID) Interface	125 kHz Prox by HID®	
Options	Mounting Bracket: On Request	
Connector Cable	180 cm / 70.9"	
Durability	100,000 insertions	
Meantime Between Failure (MTBF)	500,000 hours	
Compliance / Certification	Microsoft® WHQL ³ , EMV ² 2000 Level 1, ISO 7816, USB 2.0 (USB 1.1 compatible), CCID ¹ (contact interface only)	
Safety / Environmental	CE ⁴ , WEEE, FCC ⁵ , UL, RoHS	
Warranty	Six month manufacturer's warranty. (For drivers, see complete lifetime support policy.)	

1 = Chip Card Interface Device, 2 = Europay® MasterCard® Visa®, 3 = Windows® Hardware Quality Lab, 4 = In housed readers only



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