

# OMNIKEY® Contactless Reader



## OMNIKEY® 5125 USB Prox

ASSA ABLOY Identification Technologies (ITG), with its product brand OMNIKEY® one of the world's leading manufacturers of innovative smart card readers, has developed a practical and affordable PC-linked desktop reader that works with your existing HID® proximity cards. The reader reads/writes also to virtually any contact based smart card, thus allowing to implement new applications including log-on to Windows®, networks, and websites without re-badging!

### Main features:

- Reads unique number from HID® Proximity Cards
- 26-bit format up to Corporate 1000 format support
- Contact unit based on OMNIKEY® 3121
- Heavy standing base for vertical and horizontal card insertion
- Shipped with support for adhesion (e.g. to PC monitor)

Host Interface	
Host Interface	USB 2.0 CCID <sup>1</sup> (also supports USB 1.1)
Transmission speed	12 Mbps (USB 2.0 full speed)
Power supply	Bus powered

Smart Card Interface	
Standards	ISO 7816 & EMV <sup>2</sup> 2000 Level 1
Protocols	T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), I <sup>2</sup> C (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 / Autom. Detection of smart card type / Short circuit and thermal protection
8 Pin Handling	C4 / C8 supported

### Contactless (RFID) Smart Card Interface

125 kHz Prox by HID®

Options	
Customer specific logo or label	On request
Customer specific colors	On request
Jumbo standing base (vertical and horizontal card insertion)	On request (approx. 435 gr / 15.34 oz)

Other Features	
Status indicator	Two LED (green=ready, red=busy)
Standard mounting options with heavy standing base	Includes adhesive attachment pad and vertical mounting option
Reader Board	Also available as PCB

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® 98 / ME, 2000 / XP (32bit), 2003 Server	
Windows® CE 5.0 / CE.NET (depending on hardware)	
Windows® XP 64bit (AMD64, EM64T, IA64)	
Windows® Vista (32bit / 64bit)	
Linux®	
Mac® OS X	

Hardware Specifications	
Color	Dark grey
Dimensions (LxWxH)	80 x 67 x 28mm 3.15" x 2.64" x .11"
Weight (reader only, reader with heavy standing base)	approx. 110 gr / 3.88 oz approx. 210 gr / 7.4 oz
Operating temperature	0°-55°C / 32-131°F
Operating humidity	10-90% rH
Composition	ABS
Connector cable	180 cm / 70.9"
Durability	100.000 Insertions
Meantime between failure (MTBF)	500.000 hours

Compliance / Certification	Safety / Environmental
Microsoft WHQL <sup>3</sup>	CE
EMV <sup>2</sup> 2000 Level 1	FCC
ISO 7816	UL
HBCI <sup>4</sup>	RoHS
USB 2.0 (USB 1.1 compatible)	WEEE
CCID (contact interface only)	
GSA Fips201 approved product list	

1 = Chip Card Interface Device 2 = Europay® MasterCard® Visa® 3 = Windows® Hardware Quality Lab 4 = Homebanking Computer Interface

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ASSA ABLOY Identification Technologies GmbH • Am Klingenberg 6A • 65396 Walluf, Germany • Tel: +49 6123 791-0 • Fax: -110 • [info@aitg.com](mailto:info@aitg.com) • [www.aitg.com](http://www.aitg.com)

