

# OMNIKEY® 5321 CL SAM USB Reader

Contactless Smart Card Desktop Reader with Secure Access Module

- ▶ **Versatile Applications** – Ideal for end-user environments using contactless smart card technology with security support through a single SAM module
- ▶ **Fast Contactless Transmission** – Supports contactless smart cards up to 848 Kbps in fastest ISO 14443 A/B mode
- ▶ **Designed for User Convenience** – Housing design is optimized for advanced contactless applications
- ▶ **Readily Compliant** – Supports HID® iCLASS® and MIFARE® as well as ISO 14443 A/B and ISO 15693



## SECURE identification.

The OMNIKEY® 5321 CL SAM (Secure Access Module) represents the ideal combination of contactless technology with security support through SIM sized card in a single device. Featuring a contactless PC-linked reader that reads/writes to a 13.56 MHz contactless smart card and support additional security through a SIM sized card, the device is an ideal solution for customers who are in need of a PC-connected contactless smartcard reader for a variety of security and identification applications.

Utilizing contactless smart card technology for PC-linked applications, the OMNIKEY® 5321 CL SAM device allows users to experience the convenience, speed and security of contactless technology for applications, including logon to Windows®, networks, web sites and applications for the secure storage of user names, passwords and personal information. And, with the additional support of Electro Magnetic Distortion (EMD), users can now benefit by using the device for modern electronic passports and ID cards.

### Key benefits

- ▶ Secure authentication device for logging on to PC or IT infrastructure
- ▶ Ideal for customers who require a PC-connected contactless smartcard reader for a variety of security and identification applications (ie.loyalty applications, secure transactions, email encryption, etc)
- ▶ Easy to install and can be used with naviGo™ software to converge access from the door to the logging onto PCs
- ▶ Design to support three ISO standards for contactless cards (ISO 14443 A/B and 15693), and the ISO 7816 and EMV (Europay®, MasterCard®, Visa®), Microsoft WHQL and HBCI (Home Banking Computer Interface) industry standards for contact cards
- ▶ EMD suppression capabilities, allow high transmission and full secure read support for smart cards.

For actual driver downloads please visit: [www.hidglobal.com/omnikey](http://www.hidglobal.com/omnikey)

# Specifications

<b>Base Model Number</b>	OMNIKEY® 5321CL SAM
<b>Dimensions</b>	4.53" x 3.80" x 1.00" (115 x 96.5 x 25.5 mm)
<b>Weight</b>	Approx. 5.64 oz / 160 g
<b>Power Supply</b>	Bus powered
<b>Operating Temperature</b>	32°-131° F (0° - 55° C)
<b>Operating Humidity</b>	10-90% rH
<b>HOST INTERFACE</b>	
<b>Host Interface</b>	USB 2.0 CCID <sup>1</sup> (also compliant with USB 1.1)
<b>Transmission Speed</b>	12 Mbps (USB 2.0 full speed)
<b>CONTACT SMART CARD INTERFACE</b>	
<b>Standards</b>	ISO 7816 & EMV <sup>2</sup> 2000 Level I
<b>Protocols</b>	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)
<b>Card Size</b>	ID-000 (SIM sized)
<b>Smart Card Interface Speed</b>	420 kbps (when supported by card)
<b>Smart Card Clock Frequency</b>	Up to 8 MHz
<b>Supported Card Types</b>	5V, 3V and 1.8V Smart Cards, ISO 7816 Class A, B and C
<b>Power to Smart Card</b>	60 mA
<b>Smart Card Detection</b>	Movement detection with auto power-off / Automatic detection of smart card type/ Short circuit and thermal protection
<b>CONTACTLESS SMART CARD INTERFACE</b>	
<b>Protocols</b>	T=CL, MIFARE®, iCLASS® / ISO 14443 A with 848 Kbps transmission rate (depending on card) • ISO 14443 B with 848 Kbps transmission rate (depending on card) ISO 15693 with 26 Kbps transmission rate (depending on card)
<b>Supported APIs</b>	PC/SC driver (ready for 2.01), 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)
<b>PC/SC Driver Support</b>	Windows® 2000 / XP (32bit), 2003 Server, 2008 Server, Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware), Windows® XP 64bit, Windows® Vista (32bit / 64bit), Windows 7 (32bit / 64bit), Linux® and Mac® OS X
<b>Status Indicator</b>	Dual color LED (green=ready, red=busy)
<b>Reader Board</b>	Also available as PCB
<b>Color</b>	Dark grey
<b>Options</b>	<b>Customer Specific Logo, Label and Colors:</b> Available upon request
<b>Composition</b>	ABS
<b>Connector Cable</b>	70.9" (180 cm)
<b>Durability</b>	3,000 insertions
<b>Meantime Between Failure (MTBF)</b>	500,000 hours
<b>Compliance / Certification</b>	Microsoft® WHQL <sup>3</sup> , EMV <sup>2</sup> 2000 Level I, ISO 7816, HBCI <sup>4</sup> , USB 2.0 (USB 1.1 compatible), CCID <sup>1</sup> (contact interface only), GSA FIPS 201 approved product list, TAA (on request)
<b>Safety / Environmental</b>	CE, FCC, UL, RoHS, WEEE
<b>Warranty</b>	Two year 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 = Home Banking Computer Interface



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## ACCESS experience.

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