HID®

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

The OMNIKEY® 5321 CL SAM (Secure Access Module) represents the ideal combination of contactless technology with security support through a 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 smart card 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 log-on 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.

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

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FEATURES:

- Secure authentication device for logging on to PC or IT infrastructure
- Ideal for customers who require a PC-connected, contactless smart card reader for a variety of security and identification applications (i.e., 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
- EMD suppression capabilities allow high transmission and fully secure read support for smart cards

- Designed 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

SPECIFICATIONS

Base Model Number	OMNIKEY® 5321CL SAM
Dimensions	4.53" x 3.80" x 1.00" (115 x 96.5 x 25.5 mm)
Weight	Approx. 5.64 oz (160 g)
Power Supply	Bus powered
Operating Temperature	32–131 °F (0–55 °C)
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)
CONTACT SMART CARD INTERFACE	
Standards	ISO 7816 & EMV[2] 2000 Level 1
Protocols	T=0, T=1, 2-wire: SLE 4432 / 42 (S=10); 3-wire: SLE 4418/28 (S=9), I²C (S=8)
Card Size	ID-000 (SIM sized)
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, B 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
CONTACTLESS SMART CARD INTERFACE	
Protocols	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)
Supported APIs	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)
PC / SC Driver Support	Windows® XP / Vista / Windows 7 / Windows 8, 2003 / 2008 Server, Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware), Linux® and Mac® OS X
Status Indicator	Dual-color LED (green = ready, red = busy)
Reader Board	Also available as PCB
Color	Dark gray
Options	Customer-specific logo, label and colors: available upon request
Composition	ABS
Connector Cable	70.9" (180 cm)
Durability	3,000 insertions
Meantime Between Failure (MTBF)	500,000 hours
Compliance / Certification	Microsoft® WHQL[3], EMV[2] 2000 Level 1, ISO 7816, HBCI[4], USB 2.0 (USB 1.1 compatible), CCID[1] (contact interface only), GSA FIPS 201 approved product list, TAA (on request)
Safety / Environmental	CE, FCC, UL, RoHS, WEEE
Warranty	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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North America: +1 949 732 2000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

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