OMNIKEY® 5321 USB Reader

Contact and contactless USB smart card reader

▶ **Versatile Applications** – Ideal for end-user environments using both contactless and contact smart card technology

▶ **Fast Contactless Transmission** – Supports contactless smart cards up to 848 Kbps in fastest ISO 14443 A/B

▶ **Designed for User Convenience** – Housing design is optimized for advanced contactless applications

▶ **Readily compliant** – Supports HID® iCLASS® and MIFARE® as well as ISO14443A/B and ISO15693

HID

ACCESS quality.

The OMNIKEY® 5321 represents the ideal combination of contact and contactless technology in a single device. Featuring a dual interface PC-linked reader that reads/writes to both a 13.56 MHz contactless smart card and virtually any contact smart card, the OMNIKEY® 5321 economically supports end-user environments where both contactless and contact smart card technology are used.

Utilizing contactless smart card technology for PC-linked applications, the OMNIKEY® 5321 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.

▶ Supports 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
▶ Reader supports contactless smart cards with up to 848 Kbps in the fastest ISO 14443 transmission mode
▶ Standard application interfaces include PC/SC, Synchronous-API (on top of PC/SC), OCF (Open Card Framework) or CT-API

Contactless smart cards supported:
▶ HID: iCLASS®
▶ NXP: MIFARE®, DESFire®, SMART-MX and ICODE
▶ Texas Instruments: TagIT®
▶ ST Micro: x-ident, SR 176, SR 1X 4K
▶ Infineon: My-d (in secure mode UID only)
▶ Atmel: AT088RF020
▶ KSW MicroTech: KSW TempSens
▶ Contactless 2048 bit key generation in RSA mode (JCOP / SMART-MX)

Base Model Number	OMNIKEY® 5321
Dimensions	3.78" x 3.07" x .0.31" (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), I^2C (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, 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
8 Pin Handling	C4 / C8 supported
	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® 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 (for contact interface only)
Status indicator	Dual color LED (green=ready, red=busy)
Reader Board	Also available as PCB
Color	Dark grey
Options	**Customer Specific Logo, Label and Colors:** Available upon request
Composition	ABS
Connector cable	70.9" (180 cm)
Durability	100,000 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
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

ACCESS experience.

hidglobal.com

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