



OMNIKEY® 6321 USB Reader



CONTACTLESS USB SMART CARD READER

- **Versatile Applications** – Ideal for mobile end-user environments using both contact and contactless smart card technology
- **Fast Contactless Transmission** – Supports contactless smart cards up to 848 Kbps
- **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® 6321 USB smart card reader represents the ideal combination of contact and contactless technology in a single mobile device. Featuring a dual-interface, PC-linked reader that reads / writes to both a 13.56 MHz contactless smart card and virtually any SIM-sized contact smart card, the device economically supports mobile end-user environments where both contact and contactless smart card technologies are used.

Utilizing contactless smart card technology for PC-linked applications, the OMNIKEY 6321 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.

For actual driver downloads please visit hidglobal.com/omnikey

FEATURES:

- Supports three ISO standards for contactless cards (ISO 14443 A / B and 15693) and ISO 7816 standard for contact cards and Microsoft WHQL
- 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
- Features host interface USB 2.0 CCID1 and is compliant with USB 1.1
- Compliant with all relevant safety and environmental standards, including CE, FCC, UL, RoHS and WEEE



ADDITIONAL PRODUCT FEATURES:

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)

SPECIFICATIONS

Base Model Number	OMNIKEY® 6321
Dimensions	3.7" x 1.02" x 0.59" (94 x 26 x 15 mm)
Weight	Approx. 0.59 oz (17 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)
SMART CARD INTERFACE	
Standards	ISO 7816
Protocols	T=0, T=1, 2-wire: SLE 4432/42 (S=10); 3-wire: SLE 4418/28 (S=9), I ² C (S=8)
Card Size	ID-000 (SIM-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® 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	Blue color LED (blue = ready, blinking = busy)
Color	Gray-blue
Options	Customer-specific logo, label and colors: available upon request
Composition	ABS
Durability	10,000 insertions
Meantime Between Failure (MTBF)	500,000 hours
Compliance / Certification	Microsoft® WHQL ² , ISO 7816, USB 2.0 (USB 1.1 compatible), CCID ¹ (contact interface only)
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 = Windows® Hardware Quality Lab

ASSA ABLOY

An ASSA ABLOY Group brand

© 2013 HID Global Corporation/ASSA ABLOY AB. All rights reserved. HID, HID Global, the HID Blue Brick logo, the Chain Design, OMNIKEY and iCLASS are trademarks or registered trademarks of HID Global or its licensor(s)/supplier(s) in the US and other countries and may not be used without permission. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners.
2013-04-15-omnikey-6321-usb-reader-ds-en

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