HID®

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 driver download, please visit
  www.hidgloblobal.com/omnikey

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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 CCID1 (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), I²C (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	2003 Server, 2008 Server, Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware), Windows XP (32 bit / 64 bit), Windows® Vista (32 bit / 64 bit), Windows 7 (32 bit / 64 bit), 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® WHQL2, ISO 7816, USB 2.0 (USB 1.1 compatible), CCID1 (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

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