OMNIKEY® 6321 USB Reader

Contact and Contactless USB Smart Card Reader

◗ **Versatile Applications** – Ideal for mobile end-user environments using both contactless and contact 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

SECURE identification.

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 contactless and contact 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 logon to Windows®, networks, websites 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 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

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)

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

Base Model Number	OMNIKEY® 6321
Dimensions	3.7" x 1.02" x 0.59" (94 x 26 x 15mm)
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® 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
Status indicator	Blue color LED (blue=ready, blinking=busy)
Color	Grey-Blue
Options	**Customer Specific Logo 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), GSA FIPS 201 approved product list (in preparation)
Safety / Environmental	CE, FCC, UL, RoHS, WEEE
Warranty	Two (2) 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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HID

ACCESS experience.

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