

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 CCID I 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

Specifications

| | |
|---|---|
| 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 (planned) |
| 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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ACCESS experience.

hidglobal.com

HID Global Offices:

Corporate North America
15370 Barranca Pkwy
Irvine, CA 92618
U.S.A.
Tel: 1 800 237 7769
Tel: +1 949 732 2000
Fax: +1 949 732 2360

Asia Pacific
19/F 625 King's Road
North Point
Island East
Hong Kong
Tel: +852 3160 9800
Fax: +852 3160 4809

Latin America
Circunvalación Ote. #201 B
Despacho 2
Col. Jardines del Moral
Leon 37160, Gto.
Mexico
Tel: +52 477 779 1492
Fax: +52 477 779 1493

Europe, Middle East & Africa
Haverhill Business Park
Phoenix Road
Haverhill, Suffolk
CB9 7AE
England
Tel: +44 1440 714 850
Fax: +44 1440 714 840