

# OMNIKEY® 5321 CL USB Reader



## CONTACTLESS USB SMART CARD READER

- **Versatile Applications** – Ideal for end-user environments with different contactless smart card technologies and tags in use
- **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 ISO 14443A/B and ISO 15693

Housed in a robust closed housing with a convenient card retainer, the OMNIKEY® 5321 CL represents the ideal reader for contactless technology applications. Featuring a PC-linked reader that reads/writes to 13.56 MHz contactless smart cards in all three HF standards, the OMNIKEY 5321 CL economically supports end-user environments where a variety of contactless cards and tags are used.

- Supports three ISO standards for contactless cards (ISO 14443 A/B and 15693) 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

For actual driver downloads please visit [hidglobal.com/omnikey](http://hidglobal.com/omnikey)

**CONTACTLESS TECHNOLOGIES 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
- iCODE SLI, iCODE SL2 & LRI 64
- Contactless 2048 bit key generation in RSA mode (JCOP / SMART-MX)


**SPECIFICATIONS**

|   |   |
|---|---|
| <b>Model Name</b>                       | <b>OMNIKEY® 5321</b>  |
| <b>Dimensions</b>                       | 3.78" x 3.07" x .031" (115 x 96.5 x 25.5 mm)  |
| <b>Weight</b>                           | Approx. 5.64 oz / 160 g   |
| <b>Power Supply</b>                     | Bus powered   |
| <b>Operating Temperature</b>            | 32°-131° F (0° - 55° C)   |
| <b>Operating Humidity</b>               | 10-90% rH   |
| <b>HOST INTERFACE</b>                   |   |
| <b>Host Interface</b>                   | USB 2.0 (also compliant with USB 1.1)   |
| <b>Transmission Speed</b>               | 12 Mbps (USB 2.0 full speed)  |
| <b>CONTACTLESS SMART CARD INTERFACE</b> |   |
| <b>Protocols</b>                        | T=CL, MIFARE®, iCLASS® /<br>ISO 14443 A with 848 Kbps transmission rate (depending on card)<br>ISO 14443 B with 848 Kbps transmission rate (depending on card)<br>ISO 15693 with 26 Kbps transmission rate (depending on card)                                |
| <b>Supported APIs</b>                   | PC/SC driver (ready for 2.01), Synchronous API (on top of PC/SC)  |
| <b>PC/SC Driver Support</b>             | Windows® 2000 / XP (32bit), 2003 Server, 2008 Server Windows® CE 5.0 / 6.0 / CE.NET (depending on hardware), Windows® XP 64bit (AMD64, EM64T, IA64), Windows® Vista (32bit / 64bit), Windows 7 (32bit/64bit), Linux® (in preparation), Mac® OS X 10.5 Leopard |
| <b>Status Indicator</b>                 | Dual color LED (green=ready, red=busy)  |
| <b>Reader Board</b>                     | Also available as PCB   |
| <b>Color</b>                            | Dark grey   |
| <b>Options</b>                          | Customer Specific Logo: Available upon request  |
| <b>Composition</b>                      | ABS   |
| <b>Connector Cable</b>                  | 70.9" (180 cm)  |
| <b>Meantime Between Failure (MTBF)</b>  | 500,000 hours   |
| <b>Compliance/Certification</b>         | Microsoft® WHQL <sup>1</sup> , USB 2.0 (USB 1.1 compatible), GSA FIPS 201 approved product list (in preparation)  |
| <b>Safety/Environmental</b>             | CE, FCC, UL, RoHS, WEEE   |
| <b>Warranty</b>                         | Two year manufacturer's warranty. (For drivers, see complete lifetime support policy.)  |

<sup>1</sup> = Windows® Hardware Quality Lab



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