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.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 CCID and is compliant with USB 1.1
- Compliant with all relevant safety and environmental standards, including CE, FCC, UL, RoHS and WEEE

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Base Model Number</th>
<th>OMNIKEY 6321</th>
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</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>3.7” x 1.02” x 0.59” (94 x 26 x 15 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 0.59 oz (17 g)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Bus powered</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32–131 °F (0–55 °C)</td>
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<tr>
<td>Operating Humidity</td>
<td>10–90% rH</td>
</tr>
</tbody>
</table>

**HOST INTERFACE**
- Host Interface: USB 2.0 CCID (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 4442/28 (S=59), 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
- 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®, 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)

**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)

**SAFETY / ENVIRONMENTAL**
- CE, FCC, UL, RoHS, WEEE
- Compliance / Certification: Microsoft® WHQL, ISO 7816, USB 2.0 (USB 1.1 compatible), CCID (contact interface only)
- Warranty: Two-year manufacturer’s warranty. (For drivers, see complete lifetime support policy.)