The OMNIKEY® 3021 is a high-performance, USB smart card reader that features all the trusted performance of OMNIKEY readers in a new and smaller form factor. Compliant with all industry standards, this reader is compatible with virtually any contact smart card, operating system and a variety of applications. This handy USB reader is the ideal choice for large-scale deployments with any type of contact smart card or application software. The 3021 can be easily distributed together with any smart card, including credit cards, e-ID cards or software for online-banking or digital signature applications.

- Meets major standards including ISO 7816, EMV 2000, Microsoft WHQL, USB CCID, PC/SC, HBCI (Home Banking Computer Interface) and PC-2001 Specification
- Usage within an application is based on standardized interfaces like PC/SC, OCF (Open Card Framework) or CT-API
- USB CCID support makes integration into an existing system the easiest ever, by connecting host and smart card reader without the need of additional drivers
- Attractive, small size fits in an envelope to distribute with smart card, credit card, e-ID card or software for online-banking or digital signature applications
- All major operating systems supported
- Meets GSA FIPS 201 requirements
- Supports high speed data transmission

* For driver download, please visit www.omnikey.com.
### Specifications

<table>
<thead>
<tr>
<th>Base Model Number</th>
<th>OMNIKEY® 3021</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td>2.91” x 2.52” x 0.51” / 74 x 64 x 13mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>1.69 oz / 48 g</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>Bus powered</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>32°-131° F (0°- 55° C)</td>
</tr>
<tr>
<td><strong>Operating humidity</strong></td>
<td>10-90% rH</td>
</tr>
</tbody>
</table>

#### 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 & EMV² 2000 Level 1
- **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-1 (full-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
- **Supported APIs:**
  - PC/SC driver (ready for 2.01), CT-API (on top of PC/SC), Synchronous-API (on top of PC/SC), OCF (on top of PC/SC)
- **PC/SC Driver Support:**
  - Windows® 2000 / XP, 2003 Server, 2008 Server, Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware),
  - Windows® XP 64bit, Windows® Vista 64bit, Windows® 7 (32bit / 64bit), Linux®,
  - Mac® OS X (Power PC/Intel)
- **Embedded Technology:** OMNIKEY® Smart@Link Chipset
- **Status indicator:** Blue LED
- **Color:** Transparent/Silver
- **Options:** Customer Specific Logo, Label and Colors: Available upon request
- **Composition:** Poly carbonate
- **Connector cable:** 59.1” /150 cm
- **Durability:** 100,000 insertions
- **Meantime between failure (MTBF):** 500,000 hours
- **Compliance / Certification:**
  - Microsoft® WHQL¹, EMV² 2000 Level 1, ISO 7816, HBCI¹, USB 2.0 (USB 1.1 compatible), CCID¹, GSA FIPS201 approved product list
  - CE, WEEE, FCC, UL, VCCI, MIC, RoHS

#### Warranty

- Two year manufacturer’s warranty. (For drivers, see complete lifetime support policy.)

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¹ = Chip Card Interface Device, 2 = Europay® MasterCard® Visa®, 3 = Windows® Hardware Quality Lab, 4 = Home Banking Computer Interface

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