

# OMNIKEY® 3121

## USB Desktop Reader

### USB smart card reader



The OMNIKEY® 3121 is a high-performance, USB smart card reader for desktop use that features multiple-base mounting options and a robust housing. Compliant with all industry standards, this reader is compatible with virtually any contact smart card, operating system and a variety of applications.

The OMNIKEY 3121 is easy to install and well-suited for all contact smart card operations, including single sign-on, online banking or digital signature applications.

#### FEATURES:

- Meets major standards, including ISO 7816, USB CCID, PC / SC, and HBCI (Home Banking Computer Interface) Specification
- Supports power management to support low energy schemes
- UPC barcode for easier logistics
- Bulk or single packaging option available
- Interchangeable standing base options available for both vertical and horizontal configurations
- USB CCID support makes integration into an existing system the easiest ever by connecting host and smart card reader without the need for additional drivers
- All major operating systems supported
- Supports high-speed data transmission



#### KEY BENEFITS

- **Easy to install** – Eliminates the need to install drivers; uses native supported CCID drivers within the operating system.
- **Readily Compliant** – Meets all relevant industry standards for smooth integration in PC environment
- **Convenient and Reliable** – Multiple-base mounting options, robust housing, long USB cable
- **Suits Any Application** – Compatible with virtually any smart card and major PC operating system

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|  |   |
|--|---|
|  | <b>SMART CARD INTERFACE</b>   |
| <b>Card Size</b>                       | ID-1 (Full size)  |
| <b>Standards</b>                       | ISO 7816  |
| <b>Supported Card Types</b>            | Class A: 5V @ 60 mA; Class B: 3 V @ 60 mA; Class C: 1.8V @35 mA<br>ATR response time up to 1.6 s  |
| <b>Protocols</b>                       | Asynchronous: T=0; T=1<br>Synchronous: S=8 (I <sup>2</sup> C) ; S=9 (3-wire); S=10 (2-wire)   |
| <b>Insertion Cycles</b>                | 100,000   |
| <b>Smart Card Interface Speed</b>      | 420 kbps  |
| <b>Smart Card Clock Frequency</b>      | up to 12 MHz  |
| <b>Smart Card detection</b>            | Movement detection with auto power-off; Automatic detection of smart card type; Short circuit and thermal protection  |
| <b>8-Pin Handling</b>                  | C4 / C8 supported   |
|  | <b>HOST INTERFACE</b>   |
| <b>USB Interface</b>                   | USB 2.0 Full Speed Device (12 MBps)<br>USB 3.0 extended operability, tested with hubs/controllers   |
| <b>Connector / Cable</b>               | USB Type A connector; 59.1" (150 cm) cable  |
| <b>Operating Systems</b>               | Windows 11/10/8.1/8/7/Vista/Server 2012/Server 2008R2<br>Windows CE (5/6/7) depending on hardware<br>Linux Debian 6.0+ / Ubuntu 11.04+/ Fedora 15+; Open SUSE 11.4+<br>Mac OS X; Android™ |
| <b>Driver</b>                          | CCID native driver from operating system  |
| <b>Supported APIs</b>                  | PC/SC - API   |
|  | <b>HUMAN INTERFACE</b>  |
| <b>Status indicator</b>                | Dual-color LED (green & red)  |
|  | HOUSING   |
| <b>Housing</b>                         | Two-tone grey, ABS plastics   |
| <b>Dimensions</b>                      | 3.15" x 2.64" x 1.1" (80 x 67 x 28 mm)  |
| <b>Weight</b>                          | Reader only 3.88 oz (110g); Standard standing base 1.09 oz (31g)  |
|  | <b>OPERATING CONDITIONS</b>   |
| <b>Operating Temperature</b>           | 32-131 F (0-55°C)   |
| <b>Operating Humidity</b>              | 10-90% rH   |
| <b>Storage Temperature</b>             | -4 - 176 F (-20 - 80°C)   |
| <b>Meantime Between Failure (MTBF)</b> | 500.000 hours   |
|  | <b>COMPLIANCE AND REGULATORY</b>  |
| <b>Compliance / Certification</b>      | EMVCo Level 1; USB 2.0; TAA   |
| <b>Regional certifications</b>         | CE, UKCA, FCC, UL, VCCI, KCC, MIC, RCM (C-Tick)   |
| <b>Environmental</b>                   | WEEE, RoHS, Reach   |
|  | <b>OPERATING CONDITIONS</b>   |
| <b>Warranty</b>                        | Two-year manufacturer's warranty  |
|  | <b>OPTIONS</b>  |
| <b>Part Numbers</b>                    | R31210320-01  |



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