

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



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For more information, click here