



OMNIKEY[®] 3021 USB Reader



PORTABLE SMART CARD READER

- **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
- **Portable Form Factor** – Unique size makes it an ideal reader for large-scale deployments and mass distribution
- **Suits Any Application** – Compatible with virtually any smart card and major PC operating system

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 other applications.

FEATURES:

- Meets major standards, including ISO 7816, EMVCo Terminal 1, USB CCID, PC / SC and HBCI (Home Banking Computer Interface)
- Usage within an application is based on standardized interfaces like PC / SC
- 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
- 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
- UPC barcode for easier logistics



SPECIFICATIONS

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| Base Model Number | OMNIKEY® 3021 |
| 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 (1 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 | Blue LED |
| HOUSING | |
| Housing | Transparent / grey polycarbonate |
| Dimensions | 2.91" x 2.52" x 0.51" (74 x 64 x 13 mm) |
| Weight | 1.69 oz (48g) |
| 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 Terminal Level 1 USB 2.0: TAA; GSA Fips 201 approved list |
| Regional certifications | CE, FCC, UL, VCCI, KCC, MIC, RCM (C-Tick) |
| Environmental | WEEE, RoHS, Reach |
| OPERATING CONDITIONS | |
| Warranty | Two-year manufacturer's warranty |

