

# OMNIKEY® 3021 USB Reader

Portable smart card reader

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.



## 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
- 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

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## 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
- Supports high-speed data transmission
- UPC barcode for easier logistics

<b>Base Model Number</b>	OMNIKEY® 3021
<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 ATR response time up to 1.6 s
<b>Protocols</b>	Asynchronous: T=0; T=1 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) 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 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™
<b>Driver</b>	CCID native driver from operating system
<b>Supported APIs</b>	PC/SC - API
<b>HUMAN INTERFACE</b>	
<b>Status indicator</b>	Blue LED
<b>HOUSING</b>	
<b>Housing</b>	Transparent / grey polycarbonate
<b>Dimensions</b>	2.91" x 2.52" x 0.51" (74 x 64 x 13 mm)
<b>Weight</b>	1.69 oz (48g)
<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 Terminal Level 1 USB 2.0
<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



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