HID®

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.

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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
- Meets GSA FIPS 201 requirements
- Supports high-speed data transmission
- UPC barcode for easier logistics

SPECIFICATIONS

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 (I²C) ; 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; AndroidTM
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

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