

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, 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 (Standard); R31210349-1 (TAA, ROM); R31210399 (Flash)



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