

# OMNIKEY® 3121 USB Desktop Reader



## USB SMART CARD READER

- **Plug-and-Play** – Designed to facilitate easy device installation with high-quality drivers\* for all major PC operating systems
- **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

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.

\* For driver download, please visit:  
[www.hidglobal.com/omnikey](http://www.hidglobal.com/omnikey)

### FEATURES:

- Meets major standards, including ISO 7816, EMV 2000, Microsoft WHQL, USB CCID, PC / SC, HBCI (Home Banking Computer Interface) and PC-2001 Specification
- Usage within an application is based on standardized interfaces like PC / SC, OCF (Open Card Framework) or CT-API
- Interchangeable standing base options available for both vertical and horizontal configurations, including adhesive attachment that easily mounts to any PC monitor
- 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
- Meets GSA FIPS 201 requirements
- Supports high-speed data transmission



### SPECIFICATIONS

<b>Base Model Number</b>	OMNIKEY® 3121
	<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
<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>	8 MHz* / 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 HID proprietary driver*
<b>Supported APIs</b>	PC/SC - API, CT-API* (on top of PC/SC)
	<b>HUMAN INTERFACE</b>
<b>Status indicator</b>	Blue LED
	<b>HOUSING</b>
<b>Housing</b>	Two-tone grey, ABS plastics
<b>Dimensions</b>	3.15" x 2.64" x 1.1" (80 x 67 x 28 mm)
<b>Weight</b>	Reader only 3.88 oz (110g); Standard standing base 1.09 oz (31g)
	<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>	Microsoft WHQL*; EMVCo Terminal Level 1 USB 2.0; TAA*; GSA Fips 201 approved list*
<b>Regional certifications</b>	CE, FCC, UL, VCCI, KCC**, MIC, RCM (C-Tick)
<b>Environmental</b>	WEEE, RoHS, Reach
	<b>OPERATING CONDITIONS</b>
<b>Storage Temperature</b>	Two-year manufacturer's warranty

\* X-Chip only (all part numbers with Rxxxxx0xxx; Rxxxxx1xxx; Rxxxxx2xxx)  
\*\* Aviator only (all partnumbers with Rxxxxx3xxx)



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