

# 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>Dimensions</b>	3.15" x 2.64" x .11" (80 x 67 x 28 mm)
<b>Mounting Options with Standard Standing Base</b>	Includes adhesive attachment pad and vertical mounting option
<b>Weight</b>	Reader only: approx. 3.88 oz (110 g) Reader with standard standing base: approx. 4.97 oz (141 g)
<b>Base Options</b>	Heavy standing base (vertical and horizontal card insertion): available on request (approx. 3.46 oz / 98 g) Jumbo standing base (vertical and horizontal card insertion): available on request (approx. 15.34 oz / 435 g)
<b>Power Supply</b>	Bus powered
<b>Operating Temperature</b>	32-131° F (0-55° C)
<b>Operating Humidity</b>	10-90% rH
<b>HOST INTERFACE</b>	
<b>Host Interface</b>	USB 2.0 CCID <sup>1</sup> (also compliant with USB 1.1)
<b>Transmission Speed</b>	12 Mbps (USB 2.0 full speed)
<b>SMART CARD INTERFACE</b>	
<b>Standards</b>	ISO 7816 & EMV <sup>2</sup> 2000 Level 1
<b>Protocols</b>	T=0, T=1, 2-wire: SLE 4432/42 (S=10); 3-wire: SLE 4418/28 (S=9), I <sup>2</sup> C (S=8)
<b>Card Size</b>	ID-1 (full size)
<b>Smart Card Interface Speed</b>	420 Kbps (when supported by card)
<b>Smart Card Clock Frequency</b>	Up to 8 MHz
<b>Supported Card Types</b>	5V, 3V and 1.8V Smart Cards, ISO 7816 Class A, B and C
<b>Power to Smart Card</b>	60 mA
<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>Supported APIs</b>	PC / SC driver (ready for 2.01), CT-API (on top of PC / SC), Synchronous-API (on top of PC / SC), OCF (on top of PC / SC)
<b>PC / SC Driver Support</b>	Windows® XP/Vista/7/8 (32 bit / 64 bit) Windows Server 2003/2008 (32 bit / 64 bit), 2008R2 (64 bit) Windows CE 4.2/5/6/7 (depending on hardware) Linux®, Mac® OS X and Android™
<b>Embedded Technology</b>	OMNIKEY® Smart@Link Chipset
<b>Status Indicator</b>	Dual-color LED
<b>Reader Board</b>	Also available as PCB
<b>Color</b>	Two-tone gray
<b>Options</b>	Customer-specific logo, label and colors: available upon request
<b>Composition</b>	ABS
<b>Connector Cable</b>	70.9" (180 cm)
<b>Durability</b>	100,000 insertions (200,000 insertions with Landing Contacts version)
<b>Meantime Between Failure (MTBF)</b>	500,000 hours
<b>Compliance / Certification</b>	Microsoft® WHQL <sup>3</sup> , EMV <sup>2</sup> 2000 Level 1, ISO 7816, HBCI <sup>4</sup> , USB 2.0 (USB 1.1 compatible), CCID <sup>1</sup> , GSA FIPS 201 approved product list
<b>Safety / Environmental</b>	CE, WEEE, FCC, UL, VCCI, MIC, RoHS
<b>Warranty</b>	Two-year manufacturer's warranty. (For drivers, see complete lifetime support policy.)

1 = Chip Card Interface Device, 2 = Europay® MasterCard® Visa®, 3 = Windows® Hardware Quality Lab, 4 = Home Banking Computer Interface



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