

# 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 options, robust housing, long USB cable
- ▶ **Suits Any Application** - Compatible with virtually any smart card and major PC operating systems



### **ACCESS** quality.

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.

- ▶ 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 and includes 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 of additional drivers
- ▶ All major operating systems supported
- ▶ Meets GSA FIPS 201 requirements
- ▶ Supports high speed data transmission

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

# 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>	<b>Reader only:</b> approx. 3.88 oz (110 g) <b>Reader with standard standing base:</b> approx. 4.97 oz (141 g)
<b>Base Options</b>	<b>Heavy standing base (vertical and horizontal card insertion):</b> available on request (approx. 3.46 oz / 98 g) <b>Jumbo standing base (vertical and horizontal card insertion):</b> available on request (approx. 15.34 oz / 435g)
<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 I
<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® 98 / ME, 2000 / XP (32bit), 2003 Server Windows® CE 5.0 / CE.NET (depending on hardware) Windows® XP 64bit (AMD64, EM64T, IA64) Windows® Vista (32bit / 64bit), Linux®, Mac® OS X (PowerPC / Intel)
<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>	<b>Customer Specific Logo, Label and Colors:</b> Available upon request
<b>Composition</b>	ABS
<b>Connector cable</b>	70.9" (180 cm)
<b>Durability</b>	100,000 insertions
<b>Meantime between failure (MTBF)</b>	500,000 hours
<b>Compliance / Certification</b>	Microsoft® WHQL <sup>3</sup> , EMV <sup>2</sup> 2000 Level I, 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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**ACCESS experience.**

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