



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

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

Base Model Number	OMNIKEY® 3121
Dimensions	3.15" x 2.64" x .11" (80 x 67 x 28 mm)
Mounting Options with Standard Standing Base	Includes adhesive attachment pad and vertical mounting option
Weight	Reader only: approx. 3.88 oz (110 g) Reader with standard standing base: approx. 4.97 oz (141 g)
Base Options	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)
Power Supply	Bus powered
Operating Temperature	32-131° F (0-55° C)
Operating Humidity	10-90% rH
HOST INTERFACE	
Host Interface	USB 2.0 CCID ¹ (also compliant with USB 1.1)
Transmission Speed	12 Mbps (USB 2.0 full speed)
SMART CARD INTERFACE	
Standards	ISO 7816 & EMV ² 2000 Level 1
Protocols	T=0, T=1, 2-wire: SLE 4432/42 (S=10); 3-wire: SLE 4418/28 (S=9), I ² C (S=8)
Card Size	ID-1 (full size)
Smart Card Interface Speed	420 Kbps (when supported by card)
Smart Card Clock Frequency	Up to 8 MHz
Supported Card Types	5V, 3V and 1.8V Smart Cards, ISO 7816 Class A, B and C
Power to Smart Card	60 mA
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
Supported APIs	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)
PC / SC Driver Support	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™
Embedded Technology	OMNIKEY® Smart@Link Chipset
Status Indicator	Dual-color LED
Reader Board	Also available as PCB
Color	Two-tone gray
Options	Customer-specific logo, label and colors: available upon request
Composition	ABS
Connector Cable	70.9" (180 cm)
Durability	100,000 insertions (200,000 insertions with Landing Contacts version)
Meantime Between Failure (MTBF)	500,000 hours
Compliance / Certification	Microsoft® WHQL ³ , EMV ² 2000 Level 1, ISO 7816, HBCI ⁴ , USB 2.0 (USB 1.1 compatible), CCID ¹ , GSA FIPS 201 approved product list
Safety / Environmental	CE, WEEE, FCC, UL, VCCI, MIC, RoHS
Warranty	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

