

OMNIKEY® 3121 Reader Board USB



A HIGH PERFORMANCE SMART CARD READER BOARD FOR OEMS

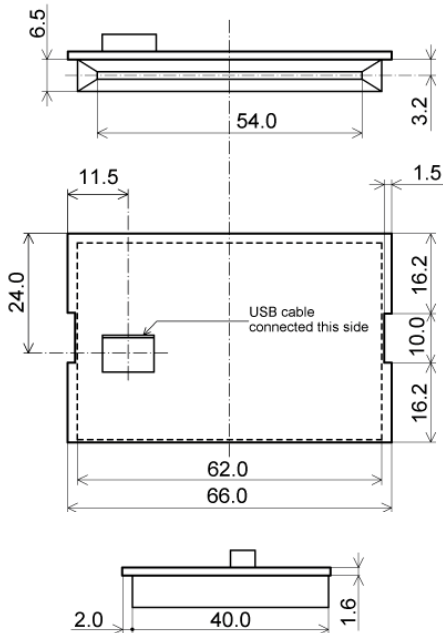
- **Plug and Play** - Designed to facilitate easy device installation with high quality drivers for all major PC operating systems
- **Readily Compliant** - Meets all relevant industry standards for smooth integration in PC environment
- **Suits Any Application** - Compatible with virtually any smart card and major PC operating systems
- **USB CCID support** - Makes integration into an existing system simple by connecting host and smart card reader without the need of additional drivers

ADDITIONAL PRODUCT FEATURES:

- Driver platform identical to housed product
- High speed data transmission
- All major operating systems supported
- Mounting bracket available
- PCB includes mounting holes
- Driver platform identical to housed product
- Meets major standards including ISO 7816, EMV 2000, Microsoft WHQL 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
- Meets GSA FIPS 201 requirements

The OMNIKEY® 3121 is a high-performance, USB contact smart card reader board. Compliant with all industry standards, the 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 actual driver downloads please visit www.hidglobal.com/omnikey



all dimensions in mm

Maximum component height is 4mm (crystal)

USB Connector Size: 11.0 x 5.0 mm



SPECIFICATIONS

Base Model Number	R31210129
Dimensions	2.6" x 1.67" x 0.47" (66 x 42,4 x 12mm)
Weight	Approx. 75 gr / 2.65 oz
Power Supply	Bus powered
Operating Temperature	0°-55°C (32-131°F)
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)
CONTACT 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, for contact interface), OCF (on top of PC/SC, for contact interface), Synchronous API (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™
Status Indicator	Dual color LED
Embedded Technology	CardMan Smart@Link Chipset
Options	Mounting Bracket: Available upon request
Connector Cable	70.9" (180 cm)
Durability	100,000 insertions
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
Safety / Environmental	WEEE, 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,

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