

OMNIKEY[®] 3121 Reader Board USB



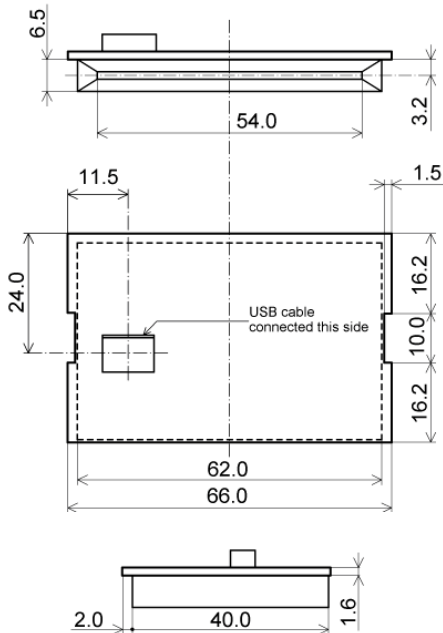
A HIGH PERFORMANCE SMART CARD READER BOARD FOR OEMS

- **Plug and Play** - Designed to facilitate easy device installation 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
- Meets major standards including ISO 7816, EMV 2000, Microsoft WHQL
- 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.



all dimensions in mm

Maximum component height is 4mm (crystal)

USB Connector Size:
11.0 x 5.0 mm



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SPECIFICATIONS

Base Model Number	R31210375-1
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 USB Suspend mode compliant (<2.5mA)
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)
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	Works with the default CCID driver shipped with your system No CT-API available at this point No need for Synch-API, Synchronous cards supported via pseudo-APDU's
Operating System Support	Windows Vista/7/8/8.1/10, Windows CE 6.0, Android, Mac OS X, Linux
Status Indicator	Dual color LED
Embedded Technology	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, USB 2.0, 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