

OMNIKEY® 3121 Reader Board USB

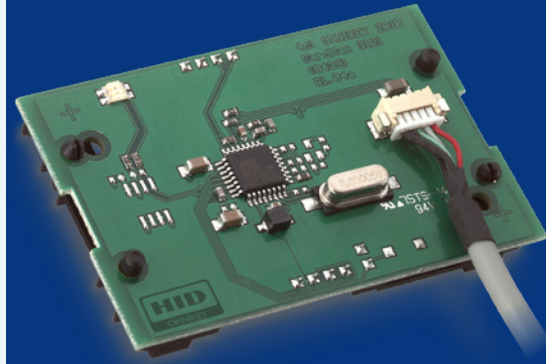
A high performance smart card reader board for OEMs



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..

ADDITIONAL PRODUCT FEATURES:

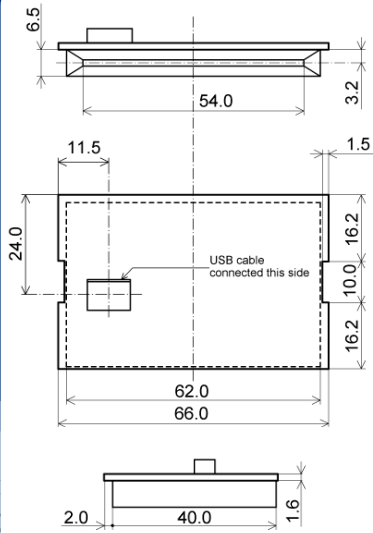
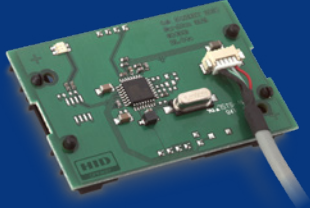
- Driver platform identical to housed product
- High speed data transmission
- All major operating systems supported
- Mounting bracket available
- PCB includes mounting holes
- Meets major standards including ISO 7816, EMVCo, Microsoft WHQL



KEY BENEFITS:

- **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

OMNIKEY® 3121 Reader Board USB



all dimensions in mm

Maximum component height is
4mm (crystal)

USB Connector Size:
11.0 x 5.0 mm

| | |
|--|--|
| Base Model Number | OMNIKEY 3121 |
| 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 , EMVCo Level 1, ISO 7816, CE, UKCA, 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



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