



## OMNIKEY® 6121 Mobile USB Reader



### MOBILE USB READER

- **Plug-and-Play** – Designed to facilitate easy device installation with high-quality drivers\* for all major PC operating systems
- **Readily Compliant** – Hotplug drivers available and full CCID compliant for smooth integration in PC environment
- **Convenient and Reliable** – Elegant design and keychain loop
- **Suits Any Application** – Compatible with virtually any smart card and major PC operating system

The portable OMNIKEY® 6121 is designed for SIM-sized smart cards. Carry the reader with your credentials in your pocket or on your key ring and plug it into your PC via the USB port to access your sensitive data. The reader is based on the same technology and drivers as the OMNIKEY® desktop product family and is therefore just as easy to integrate into your application.

The OMNIKEY® 6121 is designed to meet all major standards like ISO 7816, Microsoft® WHQL, USB CCID, PC / SC, HBCI (Home Banking Computer Interface), the PC-2001 specification and many more.

Usage within an application is based on standardized interfaces like PC / SC, OCF (Open Card Framework) or CT-API. The USB CCID support makes integration into an existing system simple by connecting host and smart card reader without needing additional drivers.

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

## FEATURES:

- Meets major standards, including ISO 7816, Microsoft® WHQL, USB CCID, PC / SC, HBCI (Home Banking Computer Interface), and PC-2001 Specification
- All major operating systems supported
- Hotplug driver available
- Supports high-speed data transmission



## SPECIFICATIONS

|  |  |
|--|--|
| <b>Base Model Number</b>               | OMNIKEY® 6121  |
| <b>Dimensions</b>                      | 2.91" x 0.83" x 0.4" (74 x 21 x 10 mm)   |
| <b>Weight</b>                          | 0.35 oz (10 g)   |
| <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   |
| <b>Protocols</b>                       | T=0, T=1, 2-wire: SLE 4432/42 (S=10);<br>3-wire: SLE 4418/28 (S=9), I <sup>2</sup> C (S=8)   |
| <b>Card Size</b>                       | ID-000 (SIM-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>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 XP / Vista / 7 (32 bit / 64 bit), 2003 Server, 2008 Server, Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware), Linux®, Mac® OS X |
| <b>Embedded Technology</b>             | OMNIKEY® Smart@Link Chipset  |
| <b>Status Indicator</b>                | Orange LED   |
| <b>Color</b>                           | Gray-blue  |
| <b>Options</b>                         | Customer-specific logo, label and colors: available upon request   |
| <b>Composition</b>                     | Polycarbonate  |
| <b>Durability</b>                      | 30,000 insertions  |
| <b>Meantime Between Failure (MTBF)</b> | 500,000 hours  |
| <b>Compliance / Certification</b>      | Microsoft® WHQL <sup>3</sup> , ISO 7816, HBCI <sup>4</sup> , USB 2.0 (USB 1.1 compatible), CCID <sup>1</sup> ,                                   |
| <b>Safety / Environmental</b>          | CE, FCC, UL, VCCI, KCC, RoHS, WEEE   |
| <b>Warranty</b>                        | Two-year manufacturer's warranty.<br>(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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2012-06-04-omnikey-6121-mobile-usb-reader-ds-en