



# OMNIKEY® 6221 USB Reader



## MOBILE USB SMART CARD READER WITH MICROSD SLOT.

- **Enabling Mobile Document Security** – Ideal device for organizations needing to issue or transport secure content
- **Cost Effective** – Removable MicroSD™ memory of up to 32 GB gives users the flexibility to increase the memory size as needed
- **Fast Transmission** – Supports contact smart cards up to 420 Kbps. USB high-speed interface supports transmission of up to 480 Mbps

The dongle-sized OMNIKEY® 6221 is a portable and innovative reader / memory stick with MicroSD™ slot and reader for SIM-sized contact smart cards all in one device. Combining a smart card reader and memory means that data contained and carried on the OMNIKEY 6221 can easily be encrypted making it inaccessible to unauthorized personnel or in case the reader is lost or stolen.

The OMNIKEY 6221 introduces data protection and secure content issuance based on encryption and digital signature in conjunction with PIN protection. The reader offers convenient two-factor authentication which is particularly important and valuable to the increasingly mobile workforce.

The OMNIKEY 6221 USB reader enables a wide range of applications and use cases where software and data is stored on the MicroSD being protected by Smart Card based encryption / PKI.

Possible mobile use cases cover:

- "Zero-Footprint" environments

- Boot-From-Stick environments
- PKI based Windows logon
- Ubiquitous PKI based logon to websites / cloud services
- Secure key distribution or update for Pay-TV set-top boxes
- Mobile data protection

It is the ideal solution for organizations that value mobile document security, plan to use a secure and state-of-the art IT infrastructure and / or need to issue content tied to licenses such as software.

As part of the HID global family of products, the OMNIKEY 6221 reader provides unparalleled card read support and compatibility.

The reader is highly durable and has been specifically designed and for environments where both card interfaces are in permanent use for read/write operations.

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

## FEATURES:

- Future proof investment – The removable, SIM-sized SAM module gives organizations the ability to reuse the reader by simply issuing a new SIM-sized SAM module
- Secure content issuing through SAM-based license – Licenses tied to the SAM module cannot be duplicated therefore eliminating the potential of copying and redistributing data
- Innovative and robust design – Small and lightweight housing design is optimized for easy and secure insertion, transportation and protection of SIM-sized smart cards and memory



## SPECIFICATIONS

<b>Base Model Number</b>	OMNIKEY® 6221
<b>Dimensions</b>	3.7" x 1.02" x 0.59" (94 x 26 x 15 mm)
<b>Weight</b>	0.6 oz (17 g)
<b>Power Supply</b>	USB 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>Interface Speed</b>	480 Mbps (USB 2.0 High Speed)
<b>SMART CARD INTERFACE</b>	
<b>Standards</b>	Compliant with ISO 7816 and EMV <sup>2</sup> 2000 Level 1
<b>Protocols</b>	T=0, T=1, 2-wire: SLE 4432/42 (S=10); 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>MicroSD Interface</b>	SD Security Command Support, USB 2.0, Removable Media Compatibility up to 32 GB (Windows® XP / 2000 SP3, Mac® OS X, Linux® Multi-Lun Mass Storage Class)
<b>MicroSD Slot</b>	Slot-in
<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 (32 / 64 bit), Windows® Vista (32 bit / 64 bit), Windows 7 (32 bit / 64 bit), 2003 Server, 2008 Server, Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware), Linux® and Mac® OS X
<b>Embedded Technology</b>	OMNIKEY® Smart@Link Chipset
<b>Status Indicator</b>	2 x 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>	Smart Card Insertions = 10,000 / Removable Media Insertions = 10,000
<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, RoHS
<b>Warranty</b>	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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