

# OMNIKEY® 6221 USB Reader

Portable USB reader/memory stick 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 32GB gives users the flexibility to increase the memory size as needed.
- ▶ **Fast Transmission** – Supports contact smart cards up to 420 Kbps and USB high speed interface supports transmission of up to 480 Mbps.



## ACCESS quality.

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 combination of a high-speed smart card reader with MicroSD™ capability is an industry first and the OMNIKEY 6221 USB reader enables a wide range of applications including data protection, log-on and secure content issuance. It is the ideal solution for organisations 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 an unparalleled card read support and compatibility.

Key benefits are:

- ▶ **Future Proof Investment** - The removable SIM-sized SAM module gives organisations the ability to re-use 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.

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

# 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 32GB (Windows® XP / 2000 SP3, Vista, 7, Server 2003, 2008, 2008 R2, 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 (32/64bit), 2000, Server 2003 / 2008 R2, CE 5.0, 6.0, 6.5 / CE.NET (hardware dependant), Vista (32 bit/64 bit), 7 (32bit/64bit), Mac® OS X: 10.4 (PowerPC / Intel), 10.5 (Intel), 10.6 (Intel), Linux®
<b>Embedded Technology</b>	OMNIKEY® Smart@Link Chipset
<b>Status indicator</b>	2 x LED
<b>Color</b>	Grey-Blue
<b>Options</b>	<b>Customer Specific Logo, Label and Colors:</b> Available upon request
<b>Composition</b>	Poly carbonate
<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 = Homebanking Computer Interface



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**ACCESS** experience.

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