HID®

OMNIKEY® 1021
USB Reader

PORTABLE SMART CARD READER

- **Plug-and-Play** – Designed to facilitate easy device installation with high-quality drivers* for all major PC operating systems
- **Readily Compliant** – Meets all relevant industry standards for smooth integration in PC environment
- **Portable Form Factor** – Unique size makes it an ideal reader for large-scale deployments and mass distribution
- **Suits Any Application** – Compatible with virtually any smart card and major PC operating system

The OMNIKEY® 1021 is a high-performance, USB smart card reader that features all the trusted performance of OMNIKEY readers in a new and smaller form factor. Compliant with all industry standards, this reader is compatible with virtually any contact smart card, operating system and a variety of applications. This handy USB reader is the ideal choice for large-scale deployments with any type of contact smart card or application software. The 1021 can be easily distributed together with any smart card, including credit cards, e-ID cards or software for other applications.

* For driver download, please visit www.hidglobal.com/omnikey.

FEATURES:

- Meets major standards, including ISO 7816, EMV 2000, Microsoft WHQL, USB CCID, PC / SC, HBCI (Home Banking Computer Interface) and PC-2001 Specification

- Usage within an application is based on standardized interfaces like PC / SC, OCF (Open Card Framework) or CT-API

- USB CCID support makes integration into an existing system the easiest ever by connecting host and smart card reader without the need for additional drivers

- Attractive, small size fits in an envelope to distribute with smart card, credit card, e-ID card or software for online banking or digital signature applications

- All major operating systems supported

- Supports high-speed data transmission

SPECIFICATIONS

Base Model Number	OMNIKEY® 1021
Dimensions	2.91″ x 2.52″ x 0.51″ (74 x 64 x 13 mm)
Weight	1.69 oz (48 g)
Power Supply	Bus powered
Operating Temperature	32–131 °F (0–55 °C)
Operating Humidity	10–90% rH
	HOST INTERFACE
Host Interface	USB 2.0 CCID[1] (also compliant with USB 1.1)
Transmission Speed	12 Mbps (USB 2.0 full speed)
	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), I²C (S=8)
Card Size	ID-1 (full size)
Smart Card Interface Speed	420 Kbps (when supported by card)
Smart Card Clock Frequency	Up to 8 MHz
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	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)
PC / SC Driver Support	Windows XP / Vista / 7 (32 bit , 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 (Intel)
Embedded Technology	OMNIKEY® Smart@USB Chipset
Status Indicator	Orange LED
Color	Transparent / Silver
Options	Customer-specific logo, label and colors: available upon request
Composition	Polycarbonate
Connector Cable	59.1″ (150 cm)
Durability	100,000 insertions
Meantime Between Failure (MTBF)	500,000 hours
Compliance / Certification	Microsoft® WHQL[3], EMV[2] 2000 Level 1, ISO 7816, HBCI[4], USB 2.0 (USB 1.1 compatible), CCID1, GSA FIPS201 approved product list
Safety / Environmental	CE, WEEE, FCC, UL, VCCI, MIC, 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, 4 = Home Banking Computer Interface

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