



OMNIKEY® 3021 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® 3021 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 3021 can be easily distributed together with any smart card, including credit cards, e-ID cards or software for other applications.

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
- Meets GSA FIPS 201 requirements
- Supports high-speed data transmission

SPECIFICATIONS

Base Model Number	OMNIKEY® 3021
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), I ² C (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 8, Android, Windows® 2000 / XP (32 bit), 2003 Server, 2008 Server, Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware), Windows® XP (64 bit), Windows® Vista (32 bit / 64 bit), Windows 7 (32 bit / 64 bit), Linux®, Mac® OS X (Power PC / Intel)
Embedded Technology	OMNIKEY® Smart@Link Chipset
Status Indicator	Blue 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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