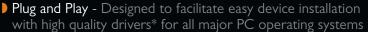




Portable Smart Card Reader



- ▶ 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 systems



## **ACCESS** quality.

The OMNIKEY® 3021 is a high-performance, serial interface 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.

- 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 of 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

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<sup>\*</sup> For driver download, please visit www.omnikey.com.

Base Model Number	OMNIKEY® 3021
Dimensions	2.91" x 2.52" x 0.51" / 74 x 64 x 13mm
Weight	I.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 <sup>1</sup> (also compliant with USB 1.1)
Transmission speed	12 Mbps (USB 2.0 full speed)
	SMART CARD INTERFACE
Standards	ISO 7816 & EMV <sup>2</sup> 2000 Level I
Protocols	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)
Card size	ID-I (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
<b>Smart Card detection</b>	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® 98 / ME, 2000 / XP (32bit), 2003 Server, Windows® CE 5.0 / CE.NET (depending on hardware), Windows® XP 64bit (AMD64, EM64T, IA64), Windows® Vista (32bit / 64bit), Linux®, Mac® OS X (PowerPC / 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	Poly carbonate
Connector cable	59.1" /150 cm
Durability	100,000 insertions
Meantime between failure (MTBF)	500,000 hours
Compliance / Certification	Microsoft® WHQL³, EMV² 2000 Level 1, ISO 7816, HBCl⁴, 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.)
	I = Chip Card Interface Device, 2 = Europay® MasterCard® Visa®, 3 = Windows® Hardware Quality Lab, 4 = Home Banking Computer Interface













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**ACCESS** experience.

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