

OMNIKEY® Desktop Reader



OMNIKEY® 3121 USB

Main features:

- Different standing base options available for convenient vertical and horizontal use
- Shipped with support for adhesion (e.g. to PC monitor)
- Robust housing and long USB cable
- High speed data transmission
- All major operating systems supported

ASSA ABLOY Identification Technologies (ITG), under the product brand OMNIKEY® is one of the world's leading manufacturers of innovative smart card readers. ASSA ABLOY ITG offers the OMNIKEY® 3121, a high-performance smart card reader for desktop use with multiple base mounting options and a robust housing. The OMNIKEY® 3121 is an easy-to-install USB device suited for all contact smart card operations like online-banking or digital signature applications.

Host Interface	
Host Interface	USB 2.0 CCID ¹ (also compliant with USB 1.1)
Transmission speed	12 Mbps (USB 2.0 full speed)
Power supply	Bus powered

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, AB 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

Other Features	
Status indicator	Dual color LED
Standard mounting options with standard standing base	Includes adhesive attachment pad and vertical mounting option
Reader Board	Also available as PCB

Options	
Customer specific logo or label	On request
Customer specific colors	On request
Heavy standing base (vertical and horizontal card insertion)	On request (approx. 98 gr / 3.46 oz)
Jumbo standing base (vertical and horizontal card insertion)	On request (approx. 435 gr / 15.34 oz)

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	

Hardware Specifications	
Color	Two-tone grey
Dimensions (LxWxH)	80 x 67 x 28mm 3.15" x 2.64" x .11"
Weight (reader only, reader with standard standing base)	approx. 110 gr / 3.88 oz approx. 141 gr / 4.97 oz
Operating temperature	0°-55°C / 32-131°F
Operating humidity	10-90% rH
Composition	ABS
Connector cable	180 cm / 70.9"
Durability	100.000 insertions
Meantime between failure (MTBF)	500.000 hours

Compliance / Certification		Safety / Environmental	
Microsoft® WHQL ³		CE	
EMV ² 2000 Level 1		WEEE	
ISO 7816		FCC	
HBCI ⁴		UL	
USB 2.0 (USB 1.1 compatible)		VCCI	
CCID ¹		MIC	
GSA Fips201 approved product list		RoHS	

1 = Chip Card Interface Device 2 = Europay® MasterCard® Visa® 3 = Windows® Hardware Quality Lab 4 = Homebanking Computer Interface

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