OMNIKEY® Desktop Reader





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-toinstall USB device suited for all contact smart card operations like online-banking or digital signature applications.



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

Host Interface		Supported APIs	
Host Interface	USB 2.0 CCID ¹	PC/SC driver (ready for 2.01)	
	(also compliant with USB 1.1)	CT-API (on top of PC/SC)	
Transmission speed	12 Mbps (USB 2.0 full speed)	Synchronous-API (on top of PC/SC)	
Power supply	Bus powered	OCF (on top of PC/SC)	
Smart Card Interface		PC/SC Driver Support	
Standards	ISO 7816 &	Windows® 98 / ME, 2000 / XP (32bit), 2003 Server	
	EMV ² 2000 Level 1	Windows® CE 5.0 / CE.NET (depending on hardware)	
Protocols	T=0, T=1,	Windows® XP 64bit (AMD64, EM64T, IA64) Windows® Vista (32bit / 64bit) Linux® Mac® OS X (PowerPC / Intel)	
	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)	Embedded Technology	
Smart Card interface speed	420 Kbps (when supported by	OMNIKEY® Smart@Link Chipset	
	card)	Hardware Specifications	
Smart Card clock frequency	Up to 8 MHz	Color	Two-tone grey
Supported card types	5V, 3V and 1.8V Smart Cards	Dimensions (LxWxH)	80 x 67 x 28mm
	ISO 7816 Class A, AB and C		3.15" x 2.64" x .1.1"
Power to Smart Card	60 mA	Weight (reader only,	approx. 110 gr / 3.88 oz
Smart Card detection	Movement detection with auto	reader with standard standing base)	approx. 141 gr / 4.97 oz
	power-off /	Operating temperature	0°-55℃ / 32-131 °F
	Automatic Detection of smart	Operating humidity	10-90% rH
	card type /	Composition	ABS
	Short circuit and thermal protection	Connector cable	180 cm / 70.9"
8 Pin Handling	C4 / C8 supported	Durability	100.000 insertions
Other Features	C4 / C8 supported	Meantime between failure (MTBF)	500.000 hours
Status indicator	Dual color LED	Compliance / Certification	Safety / Environmental
Standard mounting options with	Includes adhesive attachment	Microsoft® WHQL ³	CE
standard standing base	pad and vertical mounting	EMV ² 2000 Level 1	WEEE
standard standing base	option	ISO 7816	FCC
Reader Board	Also available as PCB	HBCI ⁴	UL
Options	Also available as FGB	USB 2.0 (USB 1.1 compatible)	VCCI
Customer specific logo or label	On request	CCID ¹	MIC
Customer specific colors	On request	GSA Fips201 approved product list	RoHS
Heavy standing base (vertical and	On request		
horizontal card insertion)	(approx. 98 gr / 3.46 oz)		
Jumbo standing base (vertical and	On request		
horizontal card insertion)	(approx. 435 gr / 15.34 oz)		
nonzontai cara insertion)	(approx. 400 gr / 10.04 02)		

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

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