

# OMNIKEY® Desktop Reader



## OMNIKEY® 3111 Serial

### Main features:

- Serial connector powered over PS/2
- Different standing base options available
- Shipped with support for adhesion (e.g. to PC monitor)
- Robust housing and long cable
- All major operating systems supported

ASSA ABLOY Identification Technologies (ITG), with its product brand OMNIKEY® one of the world's leading manufacturers of innovative smart card readers, offers with the OMNIKEY® 3111 a high-performance smart card reader for desktop use with multiple standing options in a robust housing. The OMNIKEY® 3111 is an easy-to-install serial device suited for all contact smart card operations like online-banking or digital signature applications.

Host Interface	
Host interface	Serial RS232 COM port
Transmission speed	115 Kbps
Power supply	PS/2 Keyboard adapter
Smart Card Interface	
Standards	ISO 7816 & EMV <sup>2</sup> 2000 Level 1
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-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® NT 4	
Windows® CE 5.0 / CE.NET (depending on hardware)	
Windows® XP 64bit (AMD64, EM64T)	
Windows® Vista (32bit / 64bit)	
Linux®	
Embedded Technology	
OMNIKEY® Smart@Link Chipset	
Hardware Specifications	
Colors	Two-tone grey
Dimensions (LxWxH)	80 x 67 x 28mm 3.15" x 2.64" x 1.1"
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	
Microsoft® WHQL <sup>3</sup>	CE / WEEE
EMV <sup>2</sup> 2000 Level 1	FCC
ISO 7816	UL
HBCI <sup>4</sup>	RoHS

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

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