

OMNIKEY® Mobile Reader



OMNIKEY® 6121 Mobile USB

ASSA ABLOY Identification Technologies (ITG), with its product brand OMNIKEY® one of the world's leading manufacturers of innovative smart card readers, has developed a new portable USB smart card reader. The OMNIKEY® 6121 is a fully functional smart card reader for SIM-sized smart cards and is especially well suited for the use with mobile devices.

Applications for the new reader include the download of GSM applications from the internet to the SIM card, W-LAN authentication, secure PC log-on, PKI for mobile users, digital signature, secure mobile banking and online transactions, loyalty programs, healthcare solutions and many more future applications.

Main features:

- **Elegant design**
- **Keychain loop**
- **High speed data transmission**
- **All major operating systems supported**
- **Full CCID compliant**
- **Hotplug driver available**

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-000 (SIM-size)
Smart Card Interface	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 / Autom. Detection of smart card type / Short circuit and thermal protection
Other feature	
Status indicator	Orange LED
Options	
Customer specific logo or label	On request
Customer specific colors	On request

Supported APIs	
PC/SC driver (ready for 2.01)	
CT-API (on top of PC/SC)	
OCF (on top of PC/SC)	
Sync-API (on top of PC/SC)	
PC/SC Driver Support	
Windows® 98 / ME, 2000 / XP (32bit), 2003 Server	
Windows® CE5.0 / CE.NET (depending on hardware)	
Windows®XP 64bit (AMD64, EM64T, IA64)	
Windows® Vista (32bit / 64bit)	
Linux®	
Mac® OS X (Power PC & Intel)	
Embedded Technology	
CardMan Smart@Link Chipset	
Hardware Specifications	
Color	Grey-Blue
Dimensions (LxWxH)	74 x 21 x 10 mm 2.91" x 0.83" x 0.4"
Weight	10 gr / 0.35 oz
Operating temperature	0 °-55 °C / 32-131 °F
Operating humidity	10-90% rH
Composition	Polycarbonate
Durability	100.000 Insertions
Meantime between failure (MTBF)	500.000 hours
Compliance / Certification	
Microsoft® WHQL ³	CE
EMV ² 2000 Level 1	FCC
ISO 7816	UL
HBCI ⁴	WEEE
USB 2.0 (USB 1.1 compatible)	ROHS
CCID ¹	
Safety / Environmental	

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

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