OMNIKEY® Desktop Reader

ITG
Part of HID Global

OK OMNIKEY

OMNIKEY® 7121 Biometric

ASSA ABLOY Identification Technologies (ITG), with its product brand OMNIKEY® one of the world's leading manufacturers of innovative smart card readers, offers a smart card reader which combines smart card technology with fingerprint recognition. The OMNIKEY® 7121 is a reliable desktop device to connect to a PC via USB. It is especially well suited for logical access control systems with high security demands requiring Match-On-PC functions.
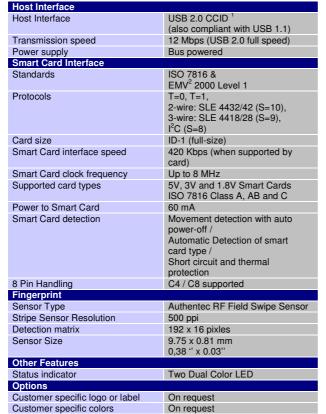
Main features:

- **Smart card reader based on well reputed OMNIKEY® 3121**
- **Authentec RF Field Swipe Sensor with True-Print technology for fingerprint recognition**
- **Compatible to various biometric algorithm vendors (e.g. Precise, Siemens, Bromba)**
- **Technical Evaluation Kit (TEK) for sensor**
- **Special standing base developed for optimal operation**

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), I²C (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

Fingerprint	
Sensor Type	Authentec RF Field Swipe Sensor
Stripe Sensor Resolution	500 ppi
Detection matrix	192 x 16 pixles
Sensor Size	9.75 x 0.81 mm 0,38 '' x 0.03''

Other Features	
Status indicator	Two Dual Color 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)	
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)	

Fingerprint Driver Support	
Windows® 2000	
Windows® XP (32 Bit), 2003 Server	
Windows® XP 64bit (AMD64, EM64T)	
Linux®	

Embedded Technology	
OMNIKEY® Smart@Link Chipset	

Hardware Specifications	
Color	Dark grey
Dimensions (LxWxH)	95 x 75 x 35mm 3.74" x 2.95" x .1.38"
Weight	approx. 174 gr / 6.14 oz
Operating temperature	0°-55°C / 32-131°F
Operating humidity	10-90% rH
Composition	ABS
Connector cable	180 cm / 70.9"
Durability (Smart Card)	100.000 insertions
Durability (Fingerprint)	10.000.000 rubs
Meantime between failure (MTBF)	500.000 hours

Compliance / Certification	Safety / Environmental
Microsoft® WHQL[3]	CE
EMV² 2000 Level 1	RoHS
ISO 7816	WEEE
HBCI[4]	FCC (in preparation)
USB 2.0 (USB 1.1 compatible)	UL (in preparation)
CCID[1]	

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

An ASSA ABLOY Group brand