

OMNIKEY® 7121 USB Desktop Reader

USB Smart Card and Biometric Reader

- ▶ **Increased Security** - Multi-factor authentication with smart card reader and fingerprint verification
- ▶ **Plug and Play** - Designed to facilitate easy device installation with high quality drivers* for all major PC operating systems
- ▶ **Suits Any Application** - Compatible with virtually any smart card, various biometric algorithm vendors (e.g. Precise Biometrics, Siemens, Bromba) and major PC operating systems



ACCESS quality.

The OMNIKEY® 7121 is a high-performance, USB smart card reader with biometric verification capability for desktop use that features a robust housing and a special standing base for optimal operation. Especially well-suited for logical access control systems with high security demands that require biometric two- or three-factor authentication, the OMNIKEY 7121 integrates seamlessly with the contact interface of any HID Crescendo™ card.

Biometric Match-On-Host solutions, where fingerprints are matched to a previously enrolled template by a trusted host application, are easily supported by the OMNIKEY 7121. In addition, using the contact interface together with a smart card enables Match-On-Card solutions, matching and authenticating the swipe sensor fingerprint read with the template stored on the smart card, in a manner similar to a PIN number.

Compliant with all industry standards, this reader is compatible with virtually any contact smart card, operating system and a variety of applications. The OMNIKEY 7121 is easy to install and well-suited for all contact smart card operations, including Single Sign-On, Online Banking or digital signature applications.

- ▶ Meets major standards including ISO 7816, EMV 2000, Microsoft WHQL, USB CCID, PC/SC and HBCI (Home Banking Computer Interface)
- ▶ Usage within an application is based on standardized interfaces like PC/SC, OCF (Open Card Framework) or CT-API
- ▶ USB CCID support makes integration into an existing system the easiest ever, by connecting host and smart card reader without the need of additional drivers
- ▶ Supports high speed data transmission
- ▶ Supports Match-On-Card (MoC) and Match-On-Host solutions (MoH)

* For driver download, please visit www.hidglobal.com/omnikey.

Specifications

Base Model Number	OMNIKEY® 7121
Dimensions	3.74" x 2.95" x .138" (95 x 75 x 35mm)
Weight	approx. 6.14 oz / 174 g
Power supply	Bus powered
Operating temperature	32°-131° F (0° - 55° C)
Operating humidity	10-90% rH
HOST INTERFACE	
Host Interface	USB 2.0 CCID ¹ (also compliant with USB 1.1)
Transmission speed	12 Mbps (USB 2.0 full speed)
SMART CARD INTERFACE	
Standards	ISO 7816 & EMV ² 2000 Level I
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, B 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 pixels Sensor Size: 0.38" x 0.03" (9.75 x 0.81 mm)
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 ⁷ (PowerPC / Intel)
Fingerprint Driver Support	Windows® 2000 / Windows® XP / Windows® Vista
Embedded Technology	OMNIKEY® Smart@Link Chipset
Status indicator	Two Dual color LED
Color	Dark gray
Options	Customer Specific Logo and Colors: Available upon request
Composition	ABS
Connector cable	70.9" (180 cm)
Durability	Smart Card: 100,000 insertions Fingerprint: 10,000,000 rubs
Meantime between failure (MTBF)	500,000 hours
Compliance / Certification	Microsoft® WHQL ³ , EMV ² 2000 Level I, ISO 7816, HBCI ⁴ , USB 2.0 (USB 1.1 compatible), CCID ¹
Safety / Environmental	CE, FCC, UL, RoHS, WEEE
Warranty	Two year manufacturer's warranty. (For drivers, see complete lifetime support policy.)

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

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ACCESS experience.

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