OMNIKEY® Mobile Reader

ITG
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O·K OMNIKEY

OMNIKEY® 4321 Mobile ExpressCard™ 54

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® 4321 a smart card reader that can be used in laptops and PDAs with the new ExpressCard™ interface. The OMNIKEY technology and drivers guarantee the highest level of interoperability and stability in conjunction with this standard.

Main features:
- **ExpressCard™ interface**
- **Robust metal housing**
- **Lip for convenient card insertion**
- **USB driver architecture**
- **High speed data transmission**
- **All major operating systems supported**

Host Interface	
Host Interface	ExpressCard™ 54mm
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-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	
Insertion	Lip for easier insertion
Options	
Customer specific logo or label	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®	
Embedded Technology	
CardMan Smart@Link Chipset	

Hardware Specifications	
Color	Metallic
Dimensions (LxWxH)	75 x 54 x 5mm 3.00" x 2.13" x 0.20"
Weight	26 gr / 0.91 oz
Operating temperature	0°-55°C / 32-131°F
Operating humidity	10-90% rH
Composition	Alloy
Durability	100.000 insertions
Meantime between failure (MTBF)	500.000 hours

Compliance / Certification	Safety / Environmental
Microsoft® WHQL[3]	CE
EMV² 2000 Level 1	WEEE
ISO 7816	UL
HBCI[4]	FCC
CCID[1]	VCCI (in preparation)
GSA Fips201 approved product list	MIC (in preparation)

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

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Hypertec Part Code:
H04321-HY

Hypertec Limited • 2 Swangate, Charnham Park, Hungerford, Berkshire, RG17 OYX • Tel: 0870 243 5603 • Fax: 0870 243 5604 • E-Mail: info@hypertec.co.uk • www.hypertec.co.uk