

OMNIKEY® Mobile Reader



OMNIKEY® 4040 Mobile PCMCIA

ASSA ABLOY Identification Technologies (ITG), under the product brand OMNIKEY is one of the world's leading manufacturers of innovative smart card readers. ASSA ABLOY ITG offers the OMNIKEY® 4040, a high-performance smart card reader for mobile use. The OMNIKEY® 4040 is an easy-to-install PCMCIA device which makes it the preferred solution for the integration into notebooks, PDA's or other PC-Bus based systems.

Main features:

- PCMCIA Connector
- Robust metal housing
- High speed data transmission
- All major operating systems supported

Host Interface	
Host Interface	PCMCIA
Transmission speed	16 Mbps
Power supply	PCMCIA slot
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
Options	
Customer specific 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	
Windows® NT 4	
Windows® CE 5.0 / CE.NET (depending on hardware)	
Windows® XP 64bit (AMD64, EM64T)	
Windows® Vista (32bit / 64bit)	
Linux®	
Mac® OS X	
Embedded Technology	
CardMan Smart@Bus Chipset	
Hardware Specifications	
Color	Silver
Dimensions (LxWxH)	85 x 54 x 5mm 3.35" x 2.13" x 0.2"
Weight	60 gr / 2.12 oz
Operating temperature	0°-55°C / 32-131 °F
Operating humidity	10-90% rH
Composition	Stainless Steel
Durability	30.000 Insertions
Meantime between failure (MTBF)	500.000 Hours
Compliance / Certification	
Microsoft® WHQL ³	CE / WEEE
EMV ² 2000 Level 1	FCC
ISO 7816	UL
HBCI ⁴	VCCI
PCMCIA	MIC
GSA Fips201 approved product list	RoHS
Safety / Environmental	

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

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