springcard®

SpringCard-WAP
COMPACT FLASH SMARTCARD READER

SpringCard-WAP is a smartcard reader / writer for Psion Teklogix Workabout PRO rugged handheld..

KEY FEATURES

Directly powered by the Psion Teklogix WorkaboutPro,, SpringCard-WAP is the only smartcard compact-flash reader of the market.

Its design has been established to fit on the Workabout Pro G1 or G2 compact flach connector. Thanks to the rugged mechanic **SpringWAP-RC** is totally adapted to hostile environments.

According to Gemcore chipset, SpringCard-WAP is compliant with all microprocessor and memory smartcards.

A FEW TYPICAL APPLICATIONS

- Hand-terminal for any smartcard system
- Virtual wallet
- Access control tags programming
- Authentication and cryptographic systems
- Loyalty cards
- Driving licence , ID card control

SPRINGCARD & PRO ACTIVE

Established in 2000, Pro Active is an innovative provider of smartcard-related solutions, and one of the leaders on the contactless-reader market.

SpringCard distributes Pro Active's contact and contactless products worldwide, under a single brand name.

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TECHNICAL SPECIFICATIONS

Contact smartcard interface	
Card format	ID-1 (full size)
Standards	ISO/IEC 7816, T=0 & T=1
Smartcard power	5V or 3V (class A and AB), max 80mA
Clock frequency	3,6864 or 7,3728 MHz
Card baud rate	Up to 115200 bps
Other features	Card presence detection Short circuit and thermal protection

CompactFlash interface	
Standard	Compact Flash type I
Power supply	Powered by the handheld (3.3V - 5V tolerant) ≈10mA + consumption of the smartcard(s)
Drivers	Seen as a Plug'N'Play serial port Uses standard driver from Windows CE / Mobile
API and SDK	SpringCard API (« PC/SC like ») SpringCard SDK sold separately

Hardware specifications	
Dimensions (LxWxH)	75 x 75 x 25 mm (approx)
Housing material	ABS + PC
Weight	≈ 150g (not including the handheld)

Environment and safety	
Operating temperature	0 →+45°C
Storage temperature	-40 →+85°C
Durability	50 000 Card insertions
MTBF	500 000 hours
CE mark	EN50082 / EN55022 class B
Other standards	RoHS, FCC pending

ORDER CODES

PART #	Description
SC-WAP	Smartcard reader for Psion Workabout Pro

PRECAUTIONS FOR INSTALLATION
This device is a contactless reader; it uses inductive coupling (magnetic field) to power the cards and communicate with them. Precaution must be taken to keep the reader far from any source of perturbation (e.g. other readers, computers…). Installing the reader near a metal surface (aluminium or steel plate…) will lead to shorter operating distance and increased power consumption.
SpringCard has a long experience installing contactless couplers in various kind of devices. Do not hesitate to contact us if you need any assistance.

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