

SpringSmart™

Smartcard Reader for Handspring™ Visor™ Handheld Computers



The SpringSmart™ is a Springboard module integrating a universal smartcard reader, designed to operate with the Handspring™ Visor™ series handheld computers. The SpringSmart™ module slides easily into the Springboard™ slot on the back of a Visor™ to provide the handheld with read/write capability of ISO7816 standard memory and microcontroller smartcards. The SpringSmart™ Visor™ smartcard reader is dedicated for uses in the loyalty, payment, medical, identification, security, and any other smartcard application you can imagine.



MagCard

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Features

- Compatible with the Handspring™ Springboard™ module
- Support ISO7816 security memory and micro-controller cards
- Electrical interface protects both the card and the reader
- Compatible with Palm™ OS tools
- Internal flash memory for application programs and data storage
- Plug-and-play functionality
- Availability of software tools, development samples and libraries
- Low power consumption drawn from the Visor™
- No battery required
- SAM module for security and data backup

Benefits of SpringSmart Smartcard Reader

Compared with propriety hand-held smartcard readers, SpringSmart™ reader offers logical advantages.

- A smartcard reader as well as a Palm™ based PDA
- Large graphic display with hand-writing input capability
- High reliability thanks to Handspring™
- An open platform
- Easy application development tools
- Multiple applications

Key Technical Data

- Smartcard Protocol supported:
 - Asynchronous cards: T=0, T=1
 - Synchronous: 2 wire, 3 wire and others
- Standby current: < 300 µA
- Working current: < 50 mA
- Internal EEPROM: 128kB to 512kB

Application Development Kit

- SpringSmart™ Smartcard reader module for Visor™
- 10 smartcards
- Smartcard editor demo application with source codes
- Libraries for application development in GNU
- Libraries for application development in CodeWarrior®
- Libraries for application development in Satellite Forms®

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