



Smart card module

**Recent data breaches have your customers concerned?
Consider this smart alternative...
PrehKeyTec's integrated
smart card module.**



Background

A smart card is a plastic card containing an embedded computer chip providing tamper proof storage and transaction of data. The stored data contains either a value, information or both. Information is processed within the card's chip and is transacted through an integrated reader/writer in our keyboard. Smart cards improve the convenience and security of any transaction. Applications for smart card include retail, healthcare, banking, entertainment and transportation. Any current applications for bar code and MSR can benefit from the convenience and security smart cards provide.

Our Solution

Smart cards were introduced in Europe nearly three decades ago. Our keyboards with integrated smart card reader are installed worldwide. We can even work with you to tailor a solution specific to your customer's application. Our clam shell style reader eliminates the need for the card to rub against the reader each time its inserted or removed. This design reduces potential wear of the card chip and the reader contacts, greatly improving product reliability and life. The smart card option is available for our MCI3100, MCI128, MCI96, MCI84 or MC147 keyboards.

Technical

The EMV 3.1.1 and ISO 7816 certified smart card reader module for our MCI family of products allows users to read and write to chip cards of types T=0, T=1, I²C, 2-wire, 3-wire and PTS. Drivers for the popular Windows operating systems are available. A CT-API interface can be placed on the PC/SC interface. Learn more and find the associated software drivers at www.prehkeytecausa.com.

Smart Card Technical Data

Features

- Supply current 60 mA to power the smart card
- USB Interface
- Application Interface PC/SC, OCF and CT-API
- ISO 7816 and EMV 2000 compliant
- HBCI compliant
- USB CCID
- Microsoft WHQL certified
- Available for: MCI3100 MCI128 MCI96 MCI84 MC147

The smart card reader board is a dual interface PC-linked reader that reads and writes to both a 13.56 MHz contactless smart card and virtually any contact smart card. The dual interface feature, implemented on a small PCB, economically supports end-user filed applications and requirements where both contactless and contact smart card technology may be in use.

Supported cards include Philips MIFARE, DESFire and MIFARE ProX® & HID:iCLASS®

Supports ISO 14443 A&B, ISO 15693 and ISO 7816

Up to 424 Kbps transmission rate



Smart card reader

