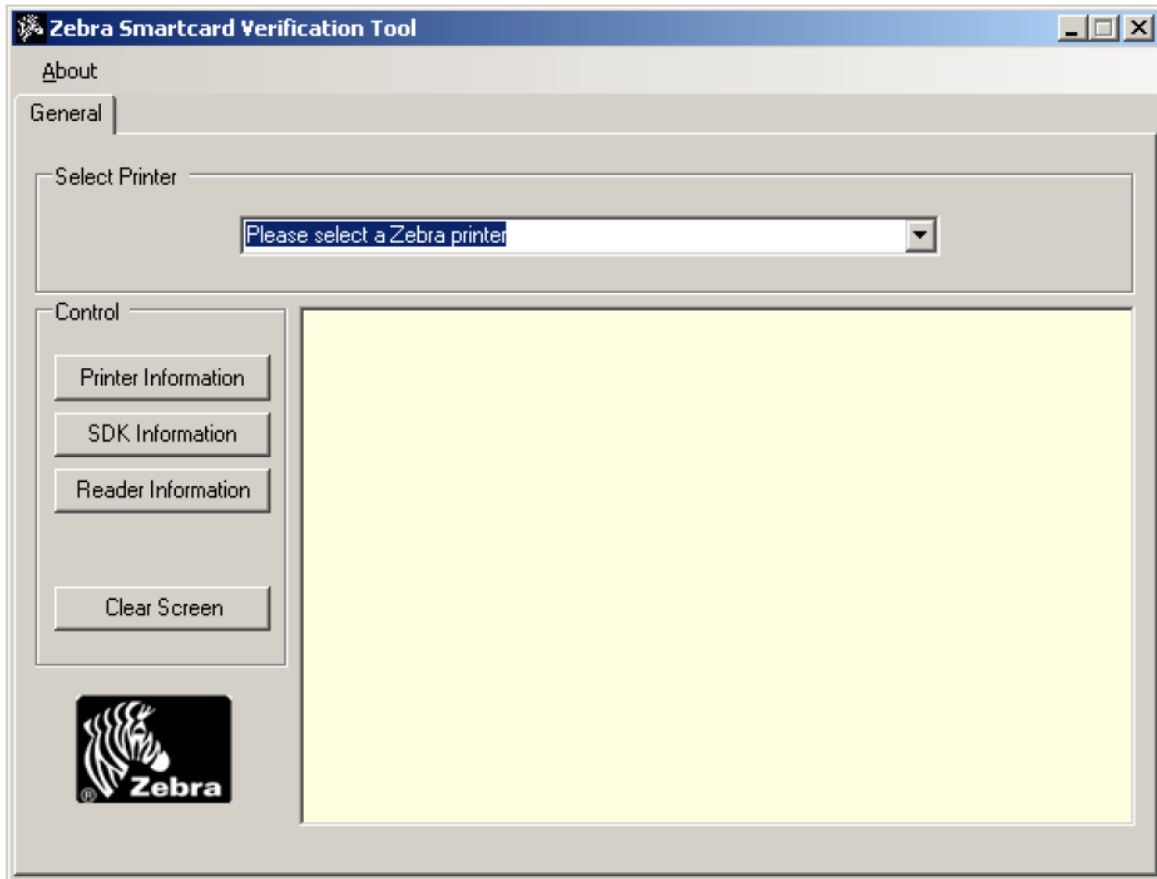


How to Test Smart Card Option Using Zebra Smartcard Verification Tool

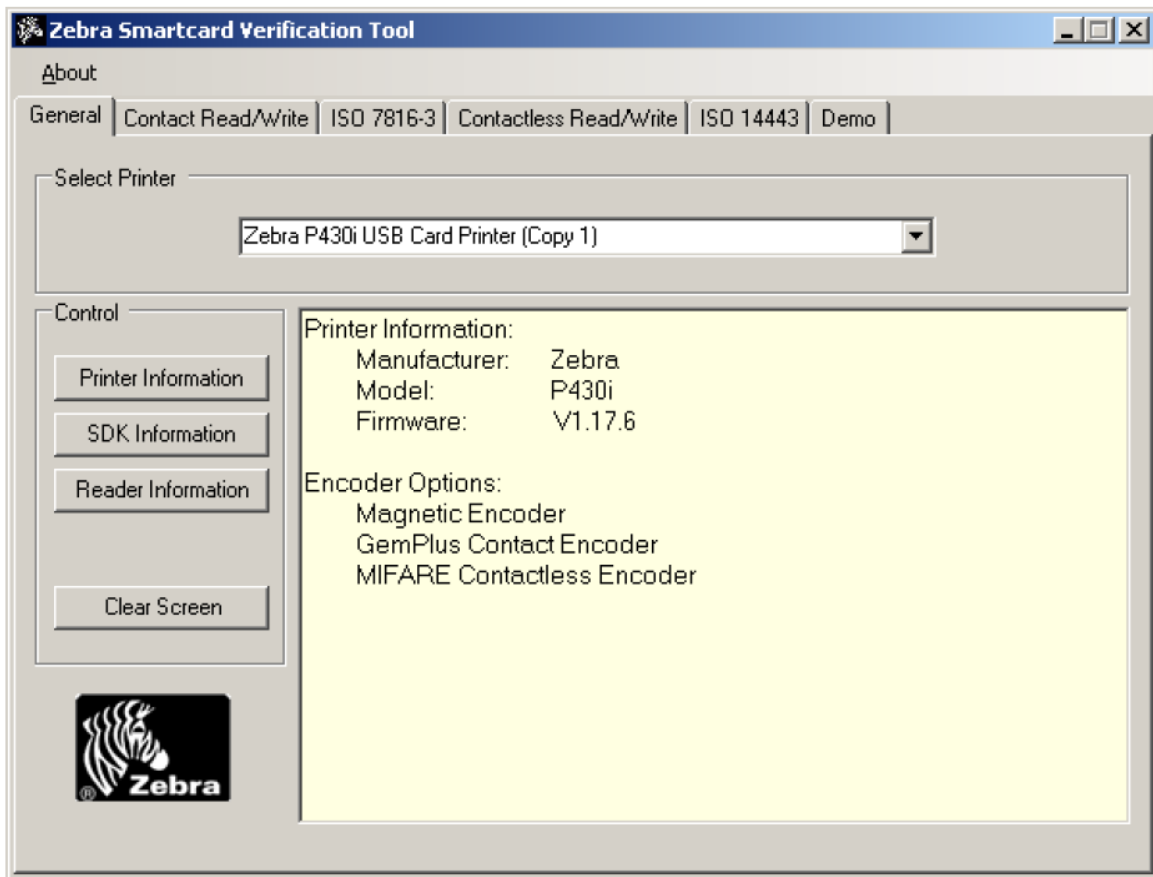
1. Verification Tool Main Window



The buttons request printer, SDK and reader/encoder configuration information (Firmware versions, serial numbers, etc.). The results are displayed in the text box to the right of the buttons.

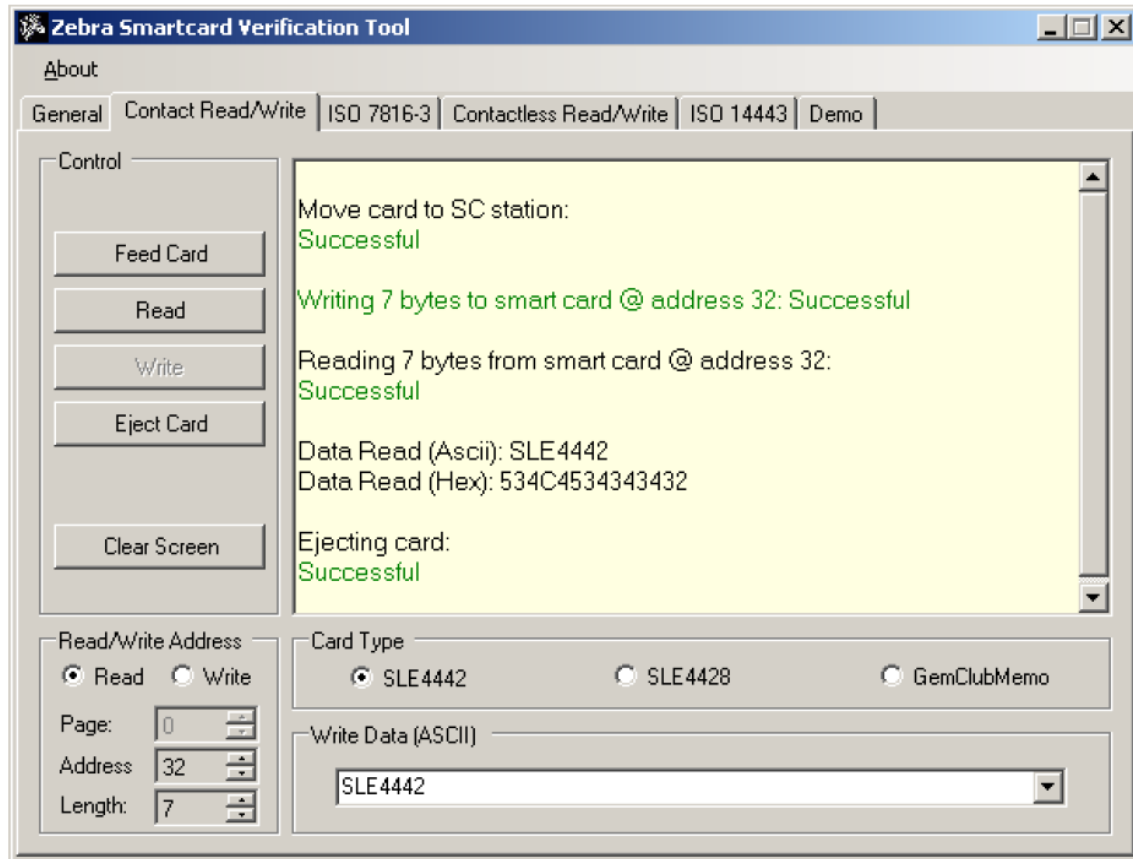
The combo box contains a list of installed printer drivers.

The tab options will be displayed based on the selected printer's smartcard configuration.



Note: You must select a printer prior to executing any of the tool's options.

2. Contact Read/Write Tab.



The “Feed Card” button is used to position the card for reading or writing. The “Eject Card” button is used to eject the card from the printer and the “Read” and “Write” buttons perform their indicated operation.

The “Read/Write Address” box is used to specify “Read” or “Write” as well as the address and data length for the operation.

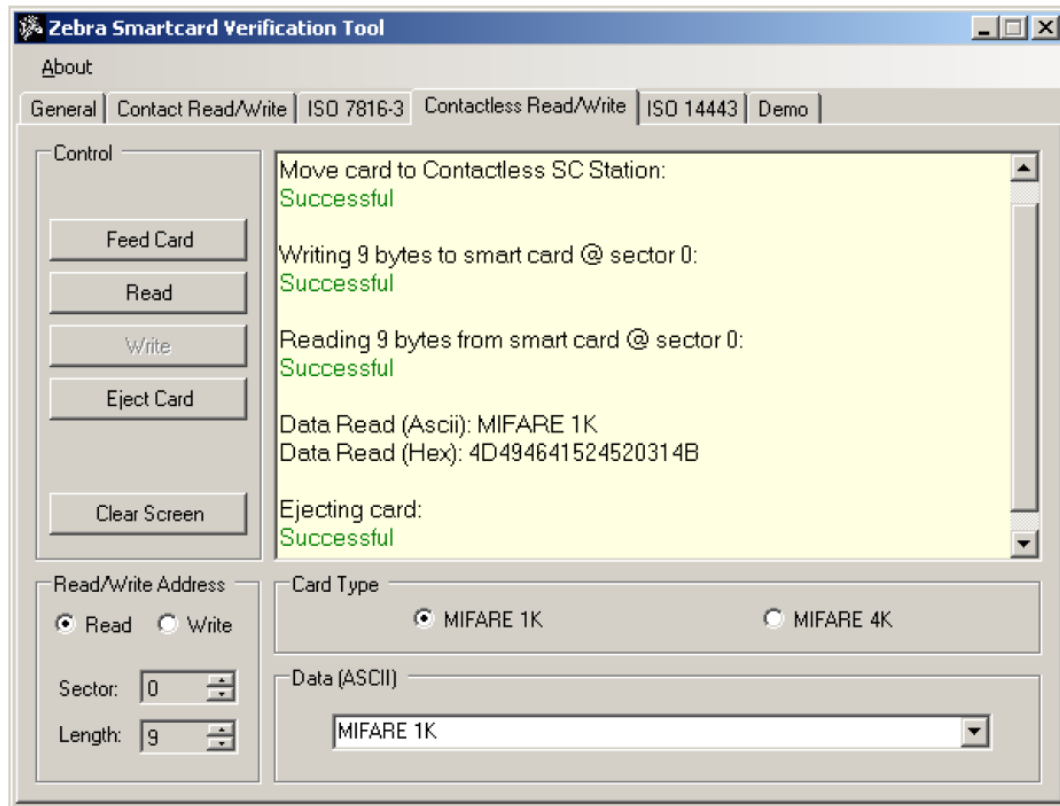
The “Card Type” radio buttons identify the smart card type and the text box below contains the ASCII data for a write operation.

The text box above the radio buttons displays the results of a selected operation.

Note: Valid addresses and data lengths

- SLE4442
 - o Valid Read and Write Addresses: 32 – 255
 - o Max Data Length: 224 bytes
- SLE4428
 - o Valid Read and Write Addresses: 31 – 1020
 - o Max Data Length: 990 bytes
- GemClub Memo
 - o Valid Read and Write Addresses: 16 – 31 and 40 – 55
 - o Max Data Length: 64 bytes per address range

4. Contactless Read/Write Tab.



- Mifare 4K
 - o Sector Range: 0 – 39
 - o Max Data Lengths
 - Sector 0: 32 bytes
 - Sectors 1 – 31: 48 bytes
 - Sectors 32 – 39: 240 bytes

The “Feed Card” positions a contactless smart card for reading or writing. The “Eject Card” ejects the card from the printer and the “Read” and “Write” buttons perform their indicated operation.

The “Read/Write Address” section identifies the sector to read or write to and the length of the data to be written (1 to 48 bytes).

The “Card Type” radio buttons determine the type of MIFARE smart card and the text box above displays the results of a read or write operation. The text box below contains the ASCII text data for a write operation. The maximum number of bytes is 48.

Note: Valid sectors and data lengths:

- Mifare 1K
 - o Sector Range: 0 – 15
 - o Max Data Lengths
 - Sector 0: 32 bytes
 - Sectors 1 – 15: 48 bytes