



Priore SmartCard .NET Component 1.3

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<http://www.prioregroup.com>

Description

The Smartcard Component is able to read and write numeric and alphanumeric data from GemClubMemo or other Smartcard compatible APDU commands.

File Name

Priore.SmartCard.dll

Remarks

This component is able to read and write numeric and alphanumeric data from GemClubMemo type's Smartcard, produced by www.gemplus.com, or others Smartcard compatible APDU commands.

The GemClubMemo is kind of smartcard have a very tiny memory but as well these have a very cheap price! Although everything, this kind of card is the best solution for a solid "protection" circuit, even because each card has onboard three different passwords (commonly named "Card Secret Code) and a protection that will put off-line the card after three unsuccessful authentication attempts for each password.

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Technical Support

For Technical support of this Component you may contact the author Danilo Priore thru e-mail at support@prioregroup.com. You may also find information of this Component bug fixes, new releases, discussion forum and FAQs thru the WEB at <http://www.prioregroup.com>

Please feel free to make any suggestion for this Component improvements

NOTE: Before requesting support thru e-mail please visit the Priore forums and try to search the forum for possible answers.

Requirements

This component for Visual Basic(tm) requires Microsoft NET Framework 1.1 (tm) and Microsoft(tm) Smartcard System Library. The component can be used with any development environment that supports its.

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ATR Property

Description

Return the ATR string of card.

Remarks

The property **ATR** return a string to describe the ATR (Answer to Reset) of card.

Data Type

String

ErrorDescription Property

Description

Return the description of error.

Remarks

The property **ErrorDescription** return a string to describe the error.

Data Type

String

ErrorNumber Property

Description

Return the number of error.

Remarks

The property **ErrorNumber** return a code to describe the error.

Data Type

Integer

ReaderName Property

Description

Return the name of reader to installed on you system.

Remarks

The property **ReaderName** return a string to describe the name of reader to installed on you system.

Data Type

String

State Property

Description

Return the state of reader/card.

Remarks

The property **State** return a state of reader/card.

Data Type

Integer

StatusWord Property

Description

Return the status of last command.

Remarks

The property **StatusWord** return a code to describe the state of last command.

Data Type

Integer

Interval Property

Description

Return or set the interval time, in milliseconds, to check state of card.

Remarks

The property **Interval** set then interval time, in milliseconds, to check state of card. When this property set > 0 and property Enabled = True to generate the CardIn and CardOut events.

Data Type

Integer > 0 < 65536

Connected Property

Description

Return the connection state.

Remarks

The **Connected** property, return the state of the connection to smartcard.

Connect Method

Description

Connect to smartcard for read/write.

Remarks

The **Connect** method, connect to smartcard for read/write or send CSC code.

Disconnect Method

Description

Disconnect to smartcard.

Remarks

The **Disconnect** method, disconnect to smartcard for terminate operations.

ReadCard Method

Description

Read a data from card.

Remarks

The **ReadCard** method, read the data characters from smartcard.

Data Type

String

SendCSC Method

Description

Send CSC to card

Remarks

The **SendCSC** method, to send CSC, 4 char Card Secret Code, to enables read/write card.

SetCSC Method

Description

Set new CSC for specific area of card.

Remarks

The **SetCSC** method, set/change the CSC (Card Secret Code) fro specific area of card.

WriteCard Method

Description

Write a data to card.

Remarks

The **WriteCard** method, write string to smartcard.

Readers Method

Description

Show readers list installed.

Remarks

The **ShowReadersList** method, show readers installed on system and return the name of reader selected.

Data Type

String

APDUCommand Method

Description

Send APDU command to card.

Remarks

The **APDUCommand** method, send the APDU command to smartcard, additional include more data to send and retrieve the response data.

Data Type

Integer

CardIn Event

Description

Fired when card is present.

Remarks

The event **CardIn** fired one time when card is present and property Interval is set > 0 .

CardOut Event

Description

Fired when card is not present.

Remarks

The event **CardOut** fired one time when card not is present and property Interval is set > 0 .

Errors Event

Description

Fired when error is occurred.

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