ISO15693 related function introduction

__int16 __stdcall dc_inventory(HANDLE icdev,unsigned char flags,
unsigned char AFI,
unsigned char masklen,
unsigned char *rlen,
unsigned char *rbuffer);

Description: Request card, returns to the card's UID and DSFID in the operation area.

Parameters:

icdev：the communication identifier code of the device

flags： Request flags,define by 15693
advice:find a single card ,flags=0x36
advice:find multiple cards ,flags=0x16

AFI： Application Family identifier

masklen: length of the mask code

rlen: length that returns

rbuffer：returns the databuffer（DSFID(1 Byte)＋UID(8 Bytes)）
DSFID= rbuffer[0] UID= rbuffer[1]---- rbuffer[8]

return: =0 correct

example:

```
int st;
st= dc_inventory(icdev,0x36,AFI,0,&rlen,rbuffer);  //find a single card
st=dc_inventory(icdev,0x16,AFI,0,&rlen,rbuffer); //find multiple cards
```

related functions:

dc_inventory_hex(HANDLE icdev, unsigned char flags, unsigned char AFI, unsigned char masklen, unsigned char *rlen, unsigned char *rbuffer);

Attention:

In the dc_inventory_hex function, DSFID= rbuffer[0], rbuffer[1]; UID= rbuffer[2]---- rbuffer[15]

__int16__stdcalldc_stay_quiet(HANDLE icdev, unsigned char flags,
unsigned char *UID);

Description: make the card into the Quiet Status

Parameters:

icdev：the communication identifier of the device

flags： Request flags, define by 15693. Can be 0x22 .

UID： Unique Identifier

return：=0 correct

example：

```
st=dc_stay_quiet(icdev,0x22,&UID[1]);
```

related functions:

dc_stay_quiet_hex(HANDLE icdev, unsigned char flags,unsigned char *UID);

__int16__stdcall dc_select_uid(HANDLE icdev,
unsigned char flags,unsigned char *UID);
Description: make the card into the Selected Status
Parameters:
icdev：the communication identifier of the device
flags：Request flags, define by 15693. Can be 0x22 .
UID： Unique Identifier
return: =0 correct
example：
st= dc_select_uid (icdev,0x22,&UID[1]);
related functions:
dc_select_uid_hex (HANDLE icdev, unsigned char flags, unsigned char *UID);

__int16__stdcall dc_reset_to_ready(HANDLE icdev,
unsigned char flags,unsigned char *UID);
Description: make the card into the Ready Status
Parameters:
icdev：the communication identifier of the device
flags：Request flags, define by 15693. Can be 0x22 .
UID： Unique Identifier
return: =0 correct
example :
st= dc_reset_to_ready (icdev,0x22,&UID[1]);
related functions:
dc_reset_to_ready_hex(HANDLE icdev,unsigned char flags,unsigned char *UID);

__int16 __stdcall dc_readblock(HANDLE icdev, unsigned char flags,
unsigned char startblock,
unsigned char blocknum,
unsigned char *UID,
unsigned char *rlen,
unsigned char *rbuffer);
Description: read datas of the block
Parameters:
icdev：the communication identifier of the device
flags： Request flags, define by 15693. Can be 0x22 .

startblock：the start block address , range 0－27 or 0－63
blocknum：block number that can read once ,range 1－10
UID： Unique Identifier
rlen： returns data length
rbuffer：returns databuffer inside blocks
return: =0 correct
example :
st=dc_readblock(icdev,0x22,7,3,&UID[1],&rlen,rbuffer);
related functions:
dc_readblock_hex(HANDLE icdev, unsigned char flags,unsigned char startblock,unsigned char blocknum, unsigned char *UID, unsigned char *rlen,unsigned char *rbuffer);

__int16 __stdcall dc_writeblock(HANDLE icdev, unsigned char flags,
unsigned char startblock,
unsigned char blocknum,
unsigned char *UID,
unsigned char wlen,
unsigned char *rbuffer);
Description: write block
Parameters:
icdev：the communication identifier of the device
flags： Request flags.If card is ICODE2, flags=0x22
if card is TI2K, flags=flags|0x80=0x43|0x80=0xc3
startblock：the start block address, range 0－27 or 0－63
blocknum：block number that can read once, range 1－10
UID： Unique Identifier
wlen：returns data length that write
rbuffer：returns databuffer that write inside blocks
return: =0 correct
example:
st=dc_ writeblock (icdev,0x22,1,1,&UID[1],rlen,rbuffer);
related functions:
dc_writeblock_hex(HANDLE icdev, unsigned char flags,unsigned char startblock, unsigned char blocknum, unsigned char *UID, unsigned char wlen, unsigned char *rbuffer);

__int16 __stdcall dc_lock_block(HANDLE icdev, unsigned char flags,
unsigned char block, unsigned char *UID);
Description: lock block data
Parameters:
icdev：the communication identifier of the device

flags： Request flags.If card is ICODE2,flags=0x22
if card is TI2K, flags=flags|0x80=0x43|0x80=0xc3
block： start block address , range 0－27 or 0－63
UID： Unique identifier
return: =0 correct
example:
st=dc_lock_block(icdev,0x22,10,&UID[1]);
related functions:
dc_lock_block_hex(HANDLE icdev, unsigned char flags, unsigned char block, unsigned char *UID);

__int16__stdcall dc_write_afi(HANDLE icdev, unsigned char flags, unsigned char AFI, unsigned char *UID);
Description: write AFI
Parameters:
icdev：the communication identifier of the device
flags： Request flags.If card is ICODE2,flags=0x22
if card is TI2K, flags=flags|0x80=0x43|0x80=0xc3
AFI：Application Family Identifier
UID：Unique identifier
return: =0 correct
example:
st=dc_write_afi(icdev,0x22,0x0,&UID[1]);
related functions:
dc_write_afi_hex(HANDLE icdev, unsigned char flags, unsigned char AFI, unsigned char *UID);

__int16__stdcall dc_lock_afi(HANDLE icdev, unsigned char flags, unsigned char AFI, unsigned char *UID);
Description: lock AFI
Parameters:
icdev：the communication identifier of the device
flags： Request flags.If card is ICODE2, flags=0x22
if card is TI2K, flags=flags|0x80=0x43|0x80=0xc3
AFI：Application Family Identifier
UID： Unique identifier
return: =0 correct
example:
st=dc_lock_afi(icdev,0x22,0x00,&UID[1]);
related functions:
dc_lock_afi_hex(HANDLE icdev, unsigned char flags, unsigned char AFI, unsigned char *UID);

__int16 __stdcall dc_write_dsfid(HANDLE icdev, unsigned char flags, unsigned char DSFID, unsigned char *UID);

Description: write DSFID

Parameters:

icdev：the communication identifier of the device

flags： Request flags.If card is ICODE2, flags=0x22
if card is TI2K, flags=flags|0x80=0x43|0x80=0xc3

DSFID：Data Storage Format Identifier

UID： Unique identifier

return: =0 correct

example:

st=dc_write_dsfid(icdev,0x22,0x0,&UID[1]);

related functions:

dc_write_dsfid_hex(HANDLE icdev, unsigned char flags, unsigned char DSFID, unsigned char *UID);

__int16 __stdcall dc_lock_dsfid(HANDLE icdev, unsigned char flags, unsigned char DSFID, unsigned char *UID);

Description: lock DSFI

Parameters:

icdev：the communication identifier of the device

flags： Request flags.If card is ICODE2,flags=0x22
if card is TI2K, flags=flags|0x80=0x43|0x80=0xc3

DSFID：Data Storage Format Identifier

UID： Unique identifier

return: =0 correct

example:

st=dc_lock_dsfid(icdev,0x22,0x00,&UID[1]);

related functions:

dc_lock_dsfid_hex(HANDLE icdev, unsigned char flags, unsigned char DSFID, unsigned char *UID);

__int16 __stdcall dc_get_systeminfo(HANDLE icdev,unsigned char flags, unsigned char *UID, unsigned char *rlen, unsigned char *rbuffer);

Description: get card information

Parameters:

icdev：the communication identifier of the device

flags： Request flags, define by 15693. Can be 0x22 .

UID： Unique identifier

rlen： returns length

rbuffer：returns information

return: =0 correct

example:

st=dc_get_systeminfo(icdev,0x22,&UID[1],&rlen,rbuffer);

related functions:

dc_get_systeminfo_hex(HANDLE icdev, unsigned char flags, unsigned char *UID, unsigned char *rlen, unsigned char *rbuffer);

__int16 __stdcall dc_get_securityinfo(HANDLE icdev,
unsigned char flags,unsigned char startblock,
unsigned char blocknum, unsigned char *UID,
unsigned char *rlen,unsigned char *rbuffer);

Description: get card's security information

Parameters:

icdev：the communication identifier of the device

Request flags, define by 15693. Can be 0x22 .

startblock：start block address

blocknum：block number

UID： Unique identifier

rlen： returns length

rbuffer：returns information

return: =0 correct

example:

st=dc_get_securityinfo(icdev,0x22,10,10,&UID[1],&rlen,rbuffer);

related functions:

dc_get_securityinfo_hex(HANDLE icdev, unsigned char flags, unsigned char startblock, unsigned char blocknum, unsigned char *UID, unsigned char *rlen, unsigned char *rbuffer);