ped.h File Reference

Go to the source code of this file.

Macros

#define PED_OK 0
#define PED_ERROR -1
#define PED_ERR_LOAD -2
#define PED_LINK_OK 0
#define PED_NS_DONE 1
#define PED_CERT_ERR 2
#define PED_NS_ERR 3

Typedefs

typedef int(* ped_SendCallback) (const unsigned char *data, int len)
typedef int(* ped_RcvCallback) (unsigned char *data, int len)

Functions

int ped_SetSendRcvCb (ped_SendCallback scbf, ped_RcvCallback rcbf)
int ped_Pairing (int *status)
int ped_MovePin (void)

Detailed Description

This file defines the API for the PP1000 pairing and PIN transfer functionality which is part of technology selection library.

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Typedef Documentation

? ped_RcvCallback

typedef int(* ped_RcvCallback) (unsigned char *data, int len)

Callback function application has to implement for receiving data from PED. If the received data is not a complete packet, the callback will be invoked again until the whole packet is received.

Parameters

[out] data : received data

[in] len : size of data buffer

Returns

number of bytes read, -1: failure

? ped_SendCallback

typedef int(* ped_SendCallback) (const unsigned char *data, int len)

Callback function application has to implement for sending data to PED.

Parameters

[in] data : Data to be sent

[in] len : Length of data

Returns

number of bytes sent, -1: failure

Function Documentation

? ped_MovePin()

int ped_MovePin (void)

Move PIN from PED to CTP.

Returns

- PED_OK : No error, PIN successfully moved
- PED_ERROR : Failure
- PED_ERR_LOAD : Error loading dynamic library

? ped_Pairing()

int ped_Pairing (int * *status*)

Execute pairing between CTP and PED.

Parameters

[out] status : additional status information, see PED status codes, may be NULL

Returns

- PED_OK : No error, pairing successful
- PED_ERROR : Pairing failed
- PED_ERR_LOAD : Error loading dynamic library

? ped_SetSendRcvCb()

int ped_SetSendRcvCb (ped_SendCallback *scbf*,
ped_RcvCallback *rcbf*
)

Set send and receive callback functions for communication with PED. This function is for convenience. You can choose if to use this or directly use the equivalent function from pp1000 library, don't call both!

- PED_OK : Callback functions successfully registered
- PED_ERROR : Invalid parameter
- PED_ERR_LOAD : Error loading dynamic library

Parameters

[in] scbf : Send callback function

[in] rcbf : Receive callback function