

ped.h File Reference

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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)
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Execute pairing between CTP and PED.

Parameters

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