\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* API specification for PL2543

\*\*

\*\* ver 1.3

\*\*

\*\* 09 / 08 / 2022

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

.

* **int PL2543\_11GPIO\_CE\_Config (HANDLE m\_hCOM, BYTE PortNumber, BYTE Channel, BOOL enable)**

**Parameters**

 m\_hCOM [in] Handle to the communication device.

 PortNumber [in] For TX is 0x0008, RX is 0x0009, P1~P3 is 0x000A.

 Channel [in] the range is 0~4.

 enable [in] CE enable, GPIO:input mode, 0xB1.

CE disable, GPIO:output mode, 0x00.

**Returns**

Zero indicates success.

Nonzero indicates failure.

* **int PL2543\_11GPIO\_OE\_Config (HANDLE m\_hCOM, BYTE PortNumber, BYTE Channel, BOOL enable)**

**Parameters**

 m\_hCOM [in] Handle to the communication device.

 PortNumber [in] For TX is 0x0008, RX is 0x0009, P1~P3 is 0x000A.

 Channel [in] the range is 0~4.

 enable [in] OE enable, GPIO: output mode, 0xB2.

OE disable, GPIO: input mode, 0xB1.

**Returns**

Zero indicates success.

Nonzero indicates failure.

* **int PL2543\_11GPIO\_SET\_Config(HANDLE m\_hCOM, BYTE i\_wValue, BYTE i\_wIndex, BYTE val)**

**Parameters**

 m\_hCOM [in] Handle to the communication device.

 i\_wValue [in] For TX is 0x0008, RX is 0x0009, P1~P3 is 0x000A.

 i\_wIndex [in] the range is 0~4.

 val [out] “1” is High level (0V) , “0” is low level (3.3V).

**Returns**

Zero indicates success.

Nonzero indicates failure.

* **int PL2543\_11GPIO\_GET\_Config (HANDLE m\_hCOM, BYTE PortNumber, BYTE Channel, BYTE \*val)**

**Parameters**

 m\_hCOM [in] Handle to the communication device.

 PortNumber [in] For TX is 0x0008, RX is 0x0009, P1~P3 is 0x000A.

 Channel [in] the range is 0~4.

 \*val [out] “1” is High level (0V) , “0” is low level (3.3V).

**Returns**

Zero indicates success.

Nonzero indicates failure.