

# [CPCL WindowsCE SDK]

[Printer CPCL Command Development Manual v1.0]

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# **1. Information of the Manual**

This SDK manual provides the dll file information for WinCE application development.

We continuously promote and update the function and quality of all our products. Any change to the product specification and the manual will be without any further notice.

## **2. Operation System**

- WinCE 4.0/5.0/6.0
- Windows Mobile

## **3. Remark**

- When error code Return Value is greater than 0, it is the internal error of Windows system, please refer to related help file.

## 4. Method

### 4.1 PrinterCreator

Set up the target printer of specified model (should create target printer before using any function).

```
int PrinterCreator(  
  
    void* handle,  
  
    const char* model  
  
);
```

#### Parameter:

*void\* handle*

[in,out] The created target printer object.

*const char\* model*

[in] Specify the model of target printer.

#### Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_INVALID_MODEL	-8	Invalid model name

## 4.2 PrinterCreatorS

Set up the target printer of specified model, the function is same to PrinterCreator (should create target printer before using any function).

**void\* PrinterCreatorS(**

**const char\* *model***

**);**

### **Parameter:**

*const char\* model*

[in] Specify the model of target printer

### **Return:**

Success : return the handle of printer object.

Fail: return NULL, invalid handle.

## 4.3 PrinterDestroy

Release the resource of specified model printer that has set up (after operation completed and no more operation for printer, it should release the printer that has set up).

**int PrinterDestroy(**

**void\* *handle***

**);**

### Parameter:

*void\* handle*

[in] The handle of target printer object which needs to release.

### Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle

## 4.4 PortOpen

Open the communication port and connect with the printer. After successfully connected, other functions can be used. If failed connecting, please check the error information.

```
int PortOpen(  
  
    void* handle,  
  
    const TCHAR* ioSettings  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*const TCHAR\* ioSettings*

[in]Set up the parameter of communication port that connected to the target printer.Please see as below:

### Configuration List:

Type	Configuration	Description	Sample
USB	<b>USB</b> [ <i>Position/Model/PortNum</i> ]	USB: connect any USB printer of our company USB[ <i>Position</i> ]: When connecting to multi printers of our company, can specify connecting to one particular USB printer through USB position information (Position parameter)	USB USB,Port_#0004.Hub_#0003 USB,LPG4 USB,USB001
NET	<b>NET</b> , <i>IP Add (IPV4)</i> [ <i>Port</i> ]	Specify the IP add and port of internet printer. If not specifying port, the default port is 9100.	NET,192.168.0.36 NET,192.168.0.36,9100
COM	<b>COMn</b> ,BAUDRATE_ <i>rate</i>	Specify the number and baud rate of connected serial port .	COM5,BAUDRATE_19200
BSP	<b>BSPn</b> ,BAUDRATE_ <i>rate</i>	If you use WinCE device or Windows mobile, the specified. port is BSPn, generally is BSP2.	BSP2,BAUDRATE_115200
BT	<b>BT</b> ,Bluetooth address	Specify the Bluetooth address	BT, 8CDE52992EEF

Note: [ ] indicates selective parameter.

**Return Value:**

Error Code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_OPEN_FAILED	-311	Port open failed



## 4.5 PortClose

This function is to close the communication port and disconnect with the printer.

```
int PortClose(  
  
    void* handle  
  
);
```

### Parameter:

*void\* handle*  
[in,out] The created target printer object.

### Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle

## 4.6 WriteData

This function is to send data to the printer.

```
int WriteData(  
  
    void* handle,  
  
    unsigned char* writeData,  
  
    unsigned int writeNum  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*unsigned char\* writeData*

[in] The data sent to the printer (hex string).

*unsigned int writeNum*

[in] The length of the data sent.

### Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout
E_IO_READ_FAILED	-331	Read failed
E_IO_READ_TIMEOUT	-332	Read timeout

## 4.7 ReadData

This function is to read the printer data.

```
int ReadData(  
  
    void* handle,  
  
    unsigned char* readData,  
  
    unsigned int readNum,  
  
    unsigned int* preadedNum  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*unsigned char\* readData*

[in] Printer data that needs to be read.

*unsigned int readNum*

[in] The length of data that needs to be read.

*unsigned int\* preadedNum*

[in] The length of the data actually read.

### Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_READ_FAILED	-331	Read failed
E_IO_READ_TIMEOUT	-332	Read timeout

## 4.8 DirectIO

This function is for the user to customize the data sent and read by the printer. If some functions do not provide a function interface, the user can send command data to the printer through this interface.

```
int DirectIO(  
  
    void* handle,  
  
    unsigned char* writedata,  
  
    unsigned int writeNum,  
  
    unsigned char* readdata,  
  
    unsigned int readNum,  
  
    unsigned int* preadedNum  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*unsigned char\* writedata*

[in] The data written to the printer.

*unsigned int writeNum*

[in] The length of the data written to the printer.

When writeNum=0, the write data operation is not performed.

*unsigned char\* readdata*

[in,out] Get the data returned by the printer.

*unsigned int readNum*

[in] Preset the length of data that needs to be read.

When readNum=0, the read data operation is not performed.

*unsigned int\* preadedNum*

[in,out] The length of the data actually read.

**Return Value:**

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout
E_IO_READ_FAILED	-331	Read failed
E_IO_READ_TIMEOUT	-332	Read timeout

## 4.9 CPCL\_AddLabel

This function is to set the label size and the number of prints.

**int CPCL\_AddLabel(**

**void\*** *handle*,

**int** *offSet*,

**int** *height*,

**int** *qty*

**);**

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int offSet*

[in] The starting offset of the tag (unit: dot).

*int height*

[in] The height of the printed label (range: 0-2400, unit: dot).

*int qty*

[in] The number of labels printed.

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.10 CPCL\_SetAlign

This function is to set the text alignment.

```
int CPCL_SetAlign(  
  
    void* handle,  
  
    int align  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int align*

[in] Set the text alignment.

Position	Value
left	0
intermediate	1
right	2

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.11 CPCL\_AddText

This function is to print text.

```
int CPCL_AddText(  
  
    void* handle,  
  
    int rotate,  
  
    int fontType,  
  
    int fontSize,  
  
    int xPos,  
  
    int yPos,  
  
    const TCHAR* data  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int rotate*

[in] Set the print orientation.

Rotation angle	Value
Not rotating	0
Rotate 90 degrees	1
Rotate 180 degrees	2
Rotate 270 degrees	3



*int* *fontType*

[in] Font type.

Font	Value
Font_9x17	1
Font_8x16	2
Font_20x20	3
Font_32x32 or Font_16x32	4
Font_24x24 or Font_12x24(depending on Chinese and English)	7
Font_24x24 or Font_12x24(depending on Chinese and English)	8
Font_16x16 or Font_8x16(depending on Chinese and English)	20
Font_24x21 or Font_12x24(depending on Chinese and English)	24
Font_16x16 or Font_8x16(depending on Chinese and English)	55

*int* *fontSize*

[in] Font size (range: 0-7).

*int* *xPos*

[in] Horizontal starting position (range: 0-32000, unit: dot).

*int* *yPos*

[in] Vertical starting position (range: 0-32000, unit: dot).

*const TCHAR\** *data*

[in] Text data.

**Return Value:**

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.12 CPCL\_AddBarCode

This function is to print bar codes.

```
int CPCL_AddBarCode(  
    void* handle,  
    int rotate,  
    int type,  
    float width,  
    int ratio,  
    float height,  
    int xPos,  
    int yPos,  
    const TCHAR* data  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int rotate*

[in] Set the rotation mode.

0: no rotation

1: Rotate 90 degrees

*int type*

[in] Set the barcode type.

Barcode type	Value
Code 128	0
Code 128A	1
Code 128B	2
Code 128C	3
Code 128 Extended	4
Code 39	5
Code 39 with Check Digit	6
Code 93	7
CodaBar	8
CodaBar with Checksum	9
EAN-13	10
EAN-13 Plus 2	11
EAN-13 Plus 5	12
EAN-8	13
EAN-8 Plus 2	14
EAN-8 Plus 5	15
Code 39 Full	16
Code 39 Full With Check Digit	17
Facing Identification Mark	18
Interleaved 2 of 5	19
I 2 of 5 with Checksum	20
German Post Code	21
MSI	24
MSI10	25
MSI1010	26
MSI1110	27

*float width*

[in] Set the barcode width (unit: dot).

*int ratio*

[in] Bar code black and white block width ratio.

*float height*

[in] Set the bar code height (unit: dot).

*int xPos*

[in] Horizontal starting position (range: 0-32000, unit: dot).

*int yPos*

[in] Vertical starting position (range: 0-32000, unit: dot).

*const TCHAR\* data*

[in] Barcode data.

**Return Value:**

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.13 CPCL\_AddBarCodeText

This function is to display the bar code content.

```
int CPCL_AddBarCodeText(  
  
    void* handle,  
  
    int enable,  
  
    int fontType,  
  
    int fontSize,  
  
    int offset  
  
);
```

### Parameter:

*void\* handle*  
[in,out] The created target printer object.

*int enable*  
[in] Whether to display barcode content  
0 : Not displayed  
1 : Display

*int fontType*  
[in] Font type (range: 0-8).

*int fontSize*  
[in] Font size.

*int offset*  
[in] Displacement distance.

**Return Value:**

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.14 CPCL\_AddQRCode

This function is to print QR codes.

```
int CPCL_AddQRCode(  
  
    void* handle,  
  
    int rotate,  
  
    int xPos,  
  
    int yPos,  
  
    int model,  
  
    int unitWidth,  
  
    const TCHAR* data  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int rotate*

[in] Set the rotation mode.

0: No rotation

1: Rotate 90 degrees

*int xPos*

[in] Horizontal starting position (range: 0-32000, unit: dot).

*int yPos*

[in] Vertical starting position (range: 0-32000, unit: dot).

*int model*

[in] Set the QR code version (1: Basic, 2: Enhanced).

*int unitWidth*

[in] Set the QR code width.

*int eccLevel*

[in] Error correction level.

Fault tolerance level	Value
7%	0
15%	1
25%	2
30%	3

*const TCHAR\* data*

[in] QR code data.

**Return value:**

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout



## 4.15 CPCL\_AddPDF417

This function is to print PDF417 code.

```
int CPCL_AddPDF417(  
  
    void* handle,  
  
    int rotate,  
  
    int xPos,  
  
    int yPos,  
  
    int xDots,  
  
    int yDots,  
  
    int columns,  
  
    int rows,  
  
    int eccLevel,  
  
    const TCHAR* data  
  
);
```

### Parameter:

*void\* handle*

[in,out]The created target printer object.

*int rotate*

[in] Set the rotation mode.

0: No rotation

1: Rotate 90 degrees

*int xPos*

[in] Horizontal starting position (range: 0-32000, unit: dot).

*int yPos*

[in] Vertical starting position (range: 0-32000, unit: dot).

*int xDots*

[in] Pixel width (unit: dot).

*int yDots*

[in] Pixel height (unit: dot).

*int columns*

[in] The number of barcode columns.

*int rows*

[in] The number of barcode lines.

*int eccLevel*

[in] Error correction level.

Degree of fault tolerance	Value
0	0
2	1
6	2
14	3
30	4
62	5
126	6
254	7
510	8

*const TCHAR\* data*

[in] PDF417 code data.

#### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.16 CPCL\_AddBox

This function is to draw a rectangular box.

```
int CPCL_AddBox(  
  
    void* handle,  
  
    int xPos,  
  
    int yPos,  
  
    int endXPos,  
  
    int endYPos,  
  
    int thickness  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int xPos*

[in] Horizontal starting position (range: 0-32000, unit: dot).

*int yPos*

[in] Vertical starting position (range: 0-32000, unit: dot).

*int endXPos*

[in] Horizontal end position (range: 0-32000, unit: dot).

*int endYPos*

[in] Vertical end position (range: 0-32000, unit: dot).

*int thickness*

[in] The width of the rectangle border.

**Return Value:**

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.17 CPCL\_AddLine

This function is to draw a line.

```
int CPCL_AddLine(  
    void* handle,  
    int xPos,  
    int yPos,  
    int endXPos,  
    int endYPos,  
    int thickness  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int xPos*

[in] Horizontal starting position (range: 0-32000, unit: dot).

*int yPos*

[in] Vertical starting position (range: 0-32000, unit: dot).

*int endXPos*

[in] Horizontal end position (range: 0-32000, unit: dot).

*int endYPos*

[in] Vertical end position (range: 0-32000, unit: dot).

*int thickness*

[in] The width of the line.

**Return Value:**

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.18 CPCL\_AddImage

This function is to print pictures (format: bmp, jpg, gif, etc).

```
int CPCL_AddImage(  
  
    void* handle,  
  
    int rotate,  
  
    int xPos,  
  
    int yPos,  
  
    const TCHAR* filePath  
  
);
```

### Parameter:

*void\* handle*

[in,out]The created target printer object.

*int rotate*

[in] Set the picture rotation mode.

0: No rotation

1: Rotate 90 degrees

*int xPos*

[in] Horizontal starting position (range: 0-32000, unit: dot).

*int yPos*

[in] Vertical starting position (range: 0-32000, unit: dot).

*const TCHAR\* filePath*

[in] The correct path to the picture.

**Return Value:**

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IMAGE_BAD_SIZE	-25	Image size error
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout



## 4.19 CPCL\_AddImageData

This function is to print the picture (directly into the picture pixel data).

**int CPCL\_AddImageData(**

**void\* *handle*,**

**int *rotate*,**

**int *widthBytes*,**

**int *height*,**

**int *xPos*,**

**int *yPos*,**

**const char\* *data***

**);**

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int rotate*

[in] Set the picture rotation mode.

0: No rotation

1: Rotate 90 degrees

*int widthBytes*

[in] Image data width.

*int height*

[in] Image height.

*int xPos*

[in] Horizontal starting position (range: 0-32000, unit: dot).

*int yPos*

[in] Vertical starting position (range: 0-32000, unit: dot)

*const char\* data*

[in] Image data.

**Return Value:**

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IMAGE_BAD_SIZE	-25	Image size error
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.20 CPCL\_SetFontSize

This function is to set the font size.

```
int CPCL_SetFontSize(  
  
    void* handle,  
  
    int width,  
  
    int height  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int width*

[in] Set the font width (width magnification: 0-16).

*int height*

[in] Set the font height (height magnification: 0-16).

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.21 CPCL\_SetDensity

This function is to set the print density.

```
int CPCL_SetDensity(  
  
    void* handle,  
  
    int density  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int density*

[in] Printing density(range: 0-3).

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.22 CPCL\_SetSpeed

This function is to set the print speed.

```
int CPCL_SetSpeed(  
  
    void* handle,  
  
    int speed  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int speed*

[in] Printing speed(range: 0-5).

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.23 CPCL\_SetTextSpacing

This function is to set the character spacing.

```
int CPCL_SetTextSpacing(
```

```
    void* handle,
```

```
    int spacing
```

```
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int spacing*

[in] Character spacing(range: 0-255).

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.24 CPCL\_SetLeftMargin

This function is to set the value of the left margin when starting printing.

```
int CPCL_SetLeftMargin(
```

```
    void* handle,
```

```
    int margin
```

```
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int margin*

[in] The value of the left margin (range: 0-999).

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.25 CPCL\_SetTextBold

This function is to set the font boldness.

**int CPCL\_SetTextBold(**

**void\* *handle*,**

**int *bold***

**);**

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int bold*

[in] Font boldness (range: 0-5).

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout



## 4.26 CPCL\_SetTextUnderline

This function is to set the text underline.

```
int CPCL_SetTextUnderline(  
  
    void* handle,  
  
    int underline  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int underline*

[in] Underline.

0: Turn off the underline

1: Activate underline

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.27 CPCL\_Abort

This function is to terminate the current control session without printing.

```
int CPCL_Abort(  
  
    void* handle  
  
);
```

### parameter:

*void\* handle*  
[in,out] The created target printer object.

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.28 CPCL\_Print

This function is to print the labels.

```
int CPCL_Print(  
  
    void* handle  
  
);
```

### Parameter:

*void\* handle*  
[in,out] The created target printer object.

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.29 CPCL\_NextLabelPos

This function is to feed the paper to the next label.

```
int CPCL_NextLabelPos(
```

```
    void* handle
```

```
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.30 CPCL\_PreFeed

This function is to feed the paper to the specified distance before printing the label.

```
int CPCL_PreFeed(  
  
    void* handle,  
  
    int distance  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int distance*

[in] The distance (range: -4000-4000, unit: dot).

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

## 4.31 CPCL\_PostFeed

This function is to feed the paper to the specified distance after printing the label.

```
int CPCL_PostFeed(  
  
    void* handle,  
  
    int distance  
  
);
```

### Parameter:

*void\* handle*

[in,out] The created target printer object.

*int distance*

[in] The distance (range: -4000-4000, unit: dot).

### Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	Not enough buffer
E_INVALID_MODEL_TYPE	-3	Invalid model type
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout