

[CPCL Windows SDK]

[Printer CPCL Command Development Manual v2.1.5]

[CPCL Windows SDK]	1
1. Information of the Manual	3
2. Operation System	3
3. Remark	3
4. NuGet Package Manager	3
5. Method	3
5.1. PrinterCreator	3
5.2. ReleasePrinter	4
5.3. OpenPort	4
5.4. ClosePort	5
5.5. WriteData	5
5.6. ReadData	6
5.7. CPCL_AddLabel	6
5.8. CPCL_SetAlign	7
5.9. CPCL_AddText	7
5.10. CPCL_AddBarCode	8
5.11. CPCL_AddBarCodeText	10
5.12. CPCL_AddQRCode	11
5.13. CPCL_AddPDF417	12
5.14. CPCL_AddBox	13
5.15. CPCL_AddLine	14
5.16. CPCL_AddImage	15
5.17. CPCL_AddImageData	15
5.18. CPCL_SetFontSize	16
5.19. CPCL_SetDensity	17
5.20. CPCL_SetSpeed	17
5.21. CPCL_SetTextSpacing	18
5.22. CPCL_SetLeftMargin	18
5.23. CPCL_SetTextBold	19
5.24. CPCL_SetTextUnderline	19
5.25. CPCL_Abort	20
5.26. CPCL_Print	20
5.27. CPCL_NextLabelPos	21
5.28. CPCL_PreFeed	21
5.29. CPCL_PostFeed	22
5.30. CPCL_GetPrinterStatus	22

1. Information of the Manual

This SDK manual provides the dll file information for Windows 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

Windows 10 or above

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.

The printer resolution is 200 dpi,1 mm=8 dot;The printer resolution is 300 dpi,1 mm=12 dot.

4. NuGet Package Manager

If you use Visual Studio tools, you can use Nuget.

NuGet URL:<http://47.245.124.98:8081/repository/nuget-hosted/>

User and password: You can obtain your account and password for free by consulting customer service.

5. Method

5.1.PrinterCreator

Set up the target printer of specified model (the printer object must be created before any printer operation).

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

Parameter:

*void** handle*

[in,out] The created target printer object.

const TCHAR model*

[in] Specify the model of target printer.

Return Value:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument

5.2.ReleasePrinter

The method is to release the resources of the printer object (the created printer object must be released after the operation is completed).

```
int ReleasePrinter (  
    void* hPrinter  
);
```

Parameter:

void hPrinter*

[in] Handle to the target printer object that needs to be released

Return Value:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory

5.3.OpenPort

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. Currently it supports USB, internet, serial interface.

```
int OpenPort (void* hPrinter,const TCHAR* setting);  
int PortOpen(void* handle, const char* setting);
```

Parameter:

void hPrinter*

[in] The created target printer object.

setting

[in] Set the communication port parameters to connect to the target printer. See the table below for details:

Configuration List:

Type	Configuration	Description	Sample
USB	USB,Model/PortNum	USB,printer model USB,The port number If you connect multiple printers of different models of our company at the same time, it is recommended to use "USB, model" to connect	USB,4B-2054A USB,USB031
NET	NET, IP address (IPV4)[,port]	Specify the IPAddress and port.If no port is specified,The default port is 9100.	NET,192.168.1.10 NET,192.168.1.10,9100
COM	COMn,rate	Specify the number and baud rate of connected serial port	COM10,19200
LPT	LPTn	Specify the number of connected parallel port.	LPT3

Return Value:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_USB_DEVICE_NOT_FOUND	-17	Failed, device not found
ERROR_IO_OPEN_FAILED	-8	Failed to open port

5.4.ClosePort

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

```
int ClosePort (
    void* hPrinter
);
```

Parameter:

void hPrinter*

[in] The created target printer object.

Return Value:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory

5.5.WriteData

This function is to send data to the printer.

```
int WriteData(
    void* handle,
    unsigned char* buffer,
    unsigned int size
);
```

Parameter:

void handle*

[in] The created target printer object.

unsigned char buffer*

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

unsigned int size

[in] The length of the sent data.

Return Value:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument

ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out

5.6.ReadData

This function is to read the printer data.

```
int ReadData(
    void* handle,
    unsigned char* buffer,
    unsigned int size
);
```

Parameter:

void handle*

[in] The created target printer object.

unsigned char buffer*

[in] Printer data to be read.

unsigned int size

[in] The length of the data to be read.

Return Value:

Code	Value	Description
>0	>0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_OPEN_FAILED	-8	Failed to open port

5.7.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).

Remakes: This value causes all fields to be offset horizontally by the specified number of UNITS.

int height

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

int qty

[in] The number of labels printed.

Return Value :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.8.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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.9.CPCL_AddText

This function is to print text.

```
int CPCL_AddText(  
    void* handle,  
    int rotate,  
    const char* 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

const char fontType*

[in] Font type.

Font	Value
Font_12x24	"0"
Font_8x16	"1"

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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.10. CPCL_AddBarCode

This function is to print bar codes.

```

int CPCL_AddBarCode(
    void* handle,
    int rotate,
    int type,
    int width,
    int ratio,
    int 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

int width

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

int ratio

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

int 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:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out

Other values	Other values	the error code returned by the Windows system
--------------	--------------	---

5.11. 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: Refer to the figure below).

int fontSize

[in] Font size. (range: Refer to the figure below)

int offset

[in] Displacement distance.

Font type and size:

Font	Size	Width	Height	Char. Height	Char Width
0	0	1	1	9	8
0	1	2	1	9	16
0	2	1	2	18	8
0	3	2	2	18	16
0	4	3	2	18	32
0	5	2	3	36	16
0	6	3	3	36	32
1	0	1	1	48	8-25 Variable
2	0	1	1	12	20
2	1	1	2	24	20
4 (A)	0	1	1	47	8-43 Variable
4 (A)	1	1	2	94	8-43 Variable
4 (B)	2	1	½	45	26-51 Variable
4 (B)	3	1	1	90	26-51 Variable
4 (B)	4	1	2	180	26-51 Variable
4 (B)	5	1	3	270	26-51 Variable
4 (B)	6	1	4	360	26-51 Variable
4 (B)	7	1	5	450	26-51 Variable
5	0	1	1	24	5-23 Variable
5	1	1	2	48	5-23 Variable
5	2	2	2	46	8-39 Variable
5	3	2	3	92	8-39 Variable
6	0	1	1	27	28
7	0	1	1	24	12
7	1	1	2	48	12

Return Value :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.12. CPCL_AddQRCode

This function is to print QR codes.

```
int CPCL_AddQRCode(
    void* handle,
    int rotate,
    int xPos,
    int yPos,
    int model,
    int unitWidth,
    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 model

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

int unitWidth

[in] Set the QR code width.(range:1-32, default: 6)

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:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.13. 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 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, range:1-32, default: 2).

int yDots

[in] Pixel height (unit: dot, range:1-32, default: 6).

int columns

[in] The number of barcode columns.(range:1-30, default: 3)

int eccLevel

[in] Error correction level. (range:0-8, default: 1)

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:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.14. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.15. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument

ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.16. 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:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.17. 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. (unit: dpi)

int height

[in] Image height. (unit: dpi)

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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.18. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success

ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.19. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.20. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success

ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.21. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.22. CPCL_SetLeftMargin

This function is to set the value of the left margin when starting printing.(line print mode)

```
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 :

Code	Value	Description
------	-------	-------------

ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.23. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.24. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.25. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.26. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument

ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.27. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.28. 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 :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data

ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.29. 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:

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system

5.30. CPCL_GetPrinterStatus

This function is to get the status of the printer.

```
int CPCL_GetPrinterStatus (
    void* handle,
    int* status
);
```

Parameter:

void handle*

[in] The created target printer object.

*int * status*

[in,out] The status of the printer.

Status	Value	Bit
Normal	0	-
The print head is opened	1	0
Paper jam	2	1
Out of paper	4	2
Out of ribbon	8	3
Print pause	16	4
Printing	32	5

Cover opened	64	6
Other error	128	7

Return Value :

Code	Value	Description
ERROR_CM_SUCCESS	0	success
ERROR_CM_INVALID_HANDLE	-2	failed with invalid handle
ERROR_CM_INVALID_PARAMETER	-1	Invalid argument
ERROR_CM_INSUFFICIENT_MEMORY	-4	failed, out of memory
ERROR_IO_WRITE_FAILED	-9	Failed to send data
ERROR_IO_READ_FAILED	-11	Failed to read data
ERROR_IO_WRITE_TIMEOUT	-10	Write data timed out
Other values	Other values	the error code returned by the Windows system