

RT_Android_WIFI_SDK Development Document

(1) Introduction

1. Software Name:

com.RT_Printer.WIFI

2. Class Library Name:

Class Name	Description
WifiPrintDriver	WIFI connection and printer operation

(2) WifiPrintDriver Class Provides Method

● WIFI Connection Method

1. Connect to the printer device via WIFI

Public static boolean WIFISocket(String ip, int port);

Parameter: IP: Device IP address

Port: Device port number

The return value: True: Connection is successful

False: Connection is fail

2. Close WIFI connection

Public static boolean Close();

Disconnect from Wi-Fi equipment

3. Check the WIFI connection state

Public static boolean IsNoConnection();

The return value: True: disconnected state

False: connected state

● Printing Method

1. Initialize the printer

Public static void Begin();

Reset the printer; empty the cache.

2. Enter the print data

(1) Public static void ImportData (byte [] data, int dataLen);

Parameter: Data: Data content

DataLen: Data length

(2) Public static void ImportData (String dataString)

Parameter: dataString: Print string data

3. Print and line feed command

Public static void LF();

Add a line feed command to print data

4. Send the data of the cache

```
Public static boolean excute ();
```

Start to execute the command and send the data to the printer for printing.

5. Clear the data

```
Public static void ClearData ();
```

After executing the () printing method, and then execute clearData () to empty the buffer.

- The character parameter setting method.

1. Set the size of character

```
Public static void SetZoom(byte param);
```

Parameter: param: 0x00 - Default size

0x01 - Times higher

0x10 - Times wider

2. Select character font

```
Public static void SetCharacterFont(byte param);
```

Parameter: param: 0x00 or 0x30 - Select font A (12*24)

0x01 or 0x31 - Select font B (9*17)

3. Set / Remove underline

```
Public static void SetUnderline(byte param);
```

Parameters: param: 0x00 or 0x30 - Remove the underline

0x01 or 0x31 - set the underline (thin line)

0x02 or 0x32 - set the underline (thick line)

4. Set / remove bold print

```
Public static void AddBold(byte param);
```

Parameters: param: 0x00 - remove bold print

0x01 - set bold print

5. Set / remove inverse print

```
Public static void AddInverse(byte param);
```

Parameters: param: 0x00 - remove the inverse print

0x01 – set the inverse print

6. Set vertical spacing

```
Public static void AddAlignMode(byte param);
```

Parameters: param: 0x00 or 0x30 - left-aligned

0x01 or 0x31 - center

0x02 or 0x32 - right-aligned

- Special printing method

1. Bar code printing

Public static void AddCodePrint(int CodeType, String data);

Parameters: Code Type: The type of the bar code supports Code128_B

Data: bar code data

2. Photo printing

Public static void printImage();

Print a specific photo.