

# 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.