Epson ePOS SDK for Android

Version	Ver.2.27.0a
Uploaded date	2023/10/30
File size	86,750KB
Explanation	**1.Note**

1.Note

The Epson ePOS SDK for Android is an SDK aimed at development engineers who are developing Android applications for printing on an EPSON TM printer and an EPSON TM-Intelligent printer.

2.Environment

[Support OS]

  - Android Version 5.0 to 5.1.1
  - Android Version 6.0 to 6.0.1
  - Android Version 7.0 to 7.1.2
  - Android Version 8.0 to 8.1
  - Android Version 9.0
  - Android Version 10.0
  - Android Version 11.0
  - Android Version 12.0
  - Android Version 13.0
  - Android Version 14.0

[Support interface]

[TM Printer]
  - Wired LAN
  - Wireless LAN
  - Bluetooth
  - USB (TypeA/TypeB/TypeC)

[TM-Intelligent Printer]
  - Wired LAN

[TM-T88VI-iHUB]
  - Wired LAN
  - Wireless LAN
  - USB

[Development environment]

  - Android SDK r15 or later
  - Java Development Kit 7 or later

[Android Device]
  - Devices that support ARMv5TE
  - Devices that support AArch64
  - Devices that support x86-64
  - Devices that support armeabi-v7a
  - Devices that support x86

3. Supported Products

For detailed information, please see Epson ePOS SDK for Android User's Manual.

4. Supplied Files

  - ePOS2.jar
    Compiled Java class file, archived into a jar format file to allow APIs
    to be used from Java programs.

  - ePOSEasySelect.jar
    A Java class file for selecting a printer easily

- libepos2.so
  Library for function execution (ARMv5TE, AArch64 and x86-64 supported)

- libeposeasyselect.so
  Library for the ePOSEasySelect function execution (ARMv5TE, AArch64 and x86-64 supported)

- ePOS_SDK_Sample_Android.zip
  A sample program file

- DeviceControlProgram_Sample.zip
  This file contains sample device control programs

- EULA.en.txt
  Contains the SOFTWARE LICENSE AGREEMENT

- EULA.ja.txt
  Contains the SOFTWARE LICENSE AGREEMENT (The Japanese-language edition)

- ePOS_SDK_Android_um_en_revx.pdf
  A user's manual

- ePOS_SDK_Android_um_ja_revx.pdf
  A user's manual (The Japanese-language edition)

- ePOS_SDK_Android_Migration_Guide_en_revx.pdf
  A migration guide

- ePOS_SDK_Android_Migration_Guide_ja_revx.pdf
  A migration guide (The Japanese-language edition)

- TM-DT_Peripherals_en_revx.pdf
  This is the TM-DT Series Peripheral Device Control Guide

- TM-DT_Peripherals_ja_revx.pdf
  This is the TM-DT Series Peripheral Device Control Guide (The Japanese-language edition)

- JSON_Spec_sheet_revx.pdf
  JSON specification sheet

- README.en.txt
  This file

- README.ja.txt
  The Japanese-language edition of this file

- OPOS_CCOs_1.14.001.msi
  This is the OPOS CCO installer package

5. Remarks
- For detailed information, please see Epson ePOS SDK for Android User's Manual.

- In the case of USB interface, it is recommended that you obtain permission
  to access theUSB device in the application in advance.
  Noted below, how to get the permission.
  1. Enter the following code into the AndroidManifest.xml file.
     <manifest ...>
        <application>
           <activity ...>
              <intent-filter>
                 <action
android:name="android.hardware.usb.action.USB_DEVICE_ATTACHED" />
              </intent-filter>
              <meta-data
android:name="android.hardware.usb.action.USB_DEVICE_ATTACHED"
                 android:resource="@xml/device_filter" />
           </activity>
        </application>
     </manifest>

  2. Add the res/xml/device_filter.xml in resource file,
     enter the following code into the device_filter.xml file.
     <?xml version="1.0" encoding="utf-8"?>
     <resources>
        <usb-device vendor-id="1208" />
     </resources>

Please select the OK button when you get the permission dialog is displayed.

If you don't obtain permission to access the USB device in advance,
there are the following notes when using the connect method.
  - When you select the OK button in the Permissions dialog box, it takes a
    long time of about 10 seconds to open port.
  - When you select the Cancel button in the Permissions dialog box, it wait
    for a timeout of 30 seconds.

- If you want to set the minifyEnabled to true in the Android Studio,
  please add the followings to the proguard file.

  -keep class com.epson.** { *; }
  -dontwarn com.epson.**

  Proguard file (proguard-rules.pro) is set as follows in build.gradle file.
    buildTypes {
      release {
        proguardFiles getDefaultProguardFile('proguard-android.txt'), 'proguard-rules.pro'
      }
    }

- When printing process is repeated, create and destroy the instance of Printer class
  outside the iteration process and do not repeat it at short intervals.

- Call addTextLang API in first on each print data.

6. Restriction
  - Discovery function of the following TM Intelligent printer doesn't support.

    TM-DT series (TM-DT software version 3.01 or earlier)
    TM-i series (TM-i firmware version 4.30 or earlier)

If you turn on the TM Intelligent printer after starting the search, the TM Intelligent printer may not be detected. In that case, leave enough time for the TM Intelligent printer
to become printable, then start the search again.

7. Changes from the Current Version
 ***

   - The library is the same as Ver.2.27.0.

   [Function change]
    - The software license agreement has been updated.
   [Updated support OS]

    ・Android 14.0