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# SmaPri Driver Developer Manual

## Product Information

**SATO CORPORATION**

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## Target version

|                         |                  |
|-------------------------|------------------|
| SmaPri Designer         | Version 1.18.0.0 |
| SmaPri Driver (Android) | Version 1.13.0   |
| SmaPri Driver (iOS)     | Version 1.9.2    |
| SmaPri Driver (Windows) | Version 1.1.1.0  |

# Chapter:1

# Product Information

**1-1****Required hardware and software**

- SmaPri Driver's operating environment   - Connectable printer models

The following hardware and software are required to use SmaPri Driver.

**- SmaPri Driver's operating environment**

| Platform              | Supported version                | Communications  |
|-----------------------|----------------------------------|---|
| Android <sup>*1</sup> | Android 8 / 7 / 6 / 5 / 4 (4.1~) | Wi-Fi (TCP/IP), Bluetooth (SPP)   |
| iOS                   | iOS 11 / 10 / 9                  | Wi-Fi (TCP/IP), Bluetooth (SPP) <sup>*2</sup>                                     |
| Windows <sup>*1</sup> | Windows 10 / 8.1 / 8 / 7         | Wi-Fi (TCP/IP), Bluetooth (SPP) <sup>*3</sup> , USB, Printer Driver <sup>*4</sup> |

<sup>\*1</sup> It is possible to communicate to the loopback address, it can be accessed at "localhost" to the loopback address.

<sup>\*2</sup> Bluetooth connection is limited to MFi certification model (MFi model is only PW208 series as of October 2016.).

<sup>\*3</sup> Bluetooth stack must be of Microsoft Corporation. Type of Bluetooth stack, please check to the manufacturer or saler of the Windows device.

<sup>\*4</sup> If use the Printer Driver, SmaPri Driver can not get the printer status.

**- Supported printer models**

| Class               | Model   |
|---------------------|---|
| Mobile printer      | PW208 series, PT208e/m/j (PT200e), PT408e/PT412e  |
| Desktop printer     | CL4NX-J series, CL6NX-J series, EV208R/EV212R, HA200R series, L'esprit V-ex series, L'esprit V series, RT308R, SG400R-ex series, SG600R series, ST300R series |
| International model | PW208NX, MB201i (MB200i), MB400i/MB410i, CL4NX, CL6NX, CG208/212/408/412, TG308/TG312, DR308e   |

**1-2****About SmaPri Driver**

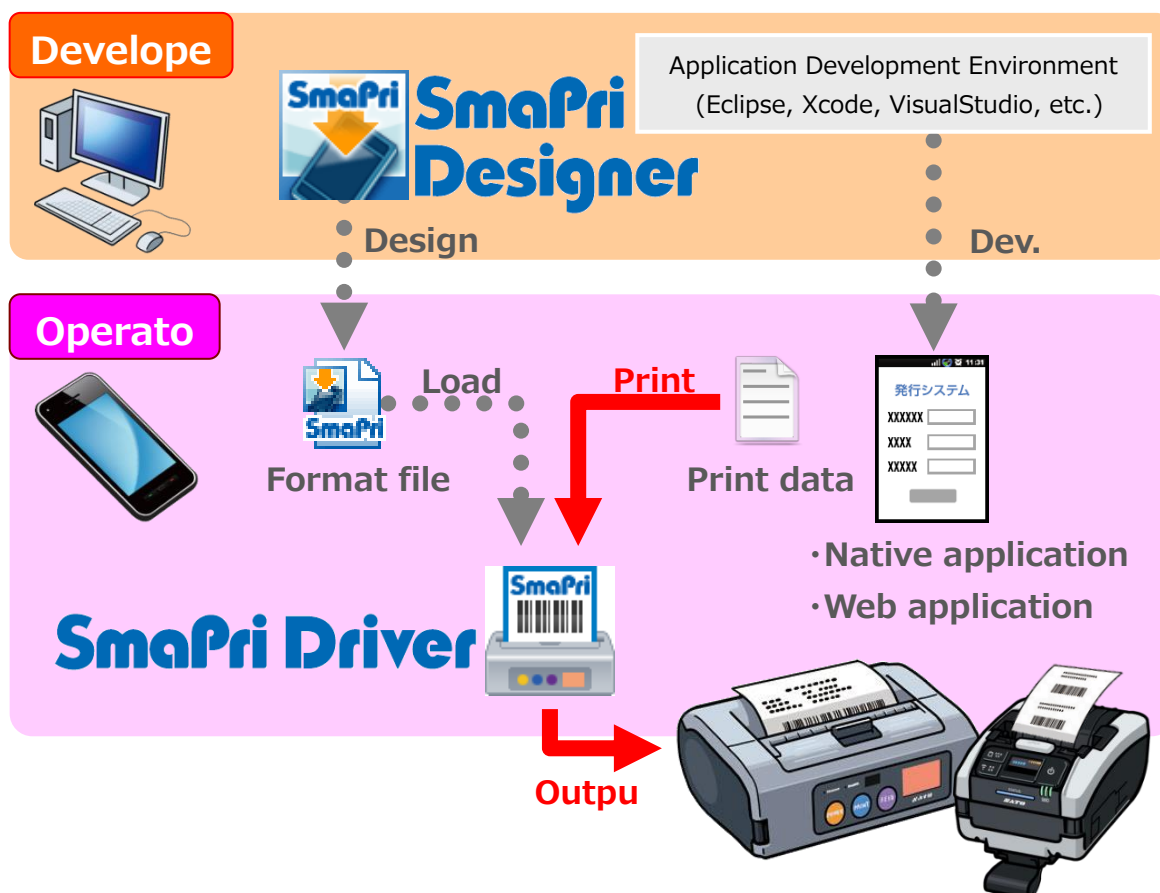
- Product overview

**- Product overview**

SmaPri Driver is application that runs on Android/iOS/Windows.

It receives requests (by HTTP / Custom URL Scheme), prints labels and checks the printer status, and returns the result as a response. To print labels, SmaPri Driver uses format files (\*.spfmtz) created with SmaPri Designer.

SmaPri Driver generates printer command and communicate to the printer, so you do not need to implement control section in your application.



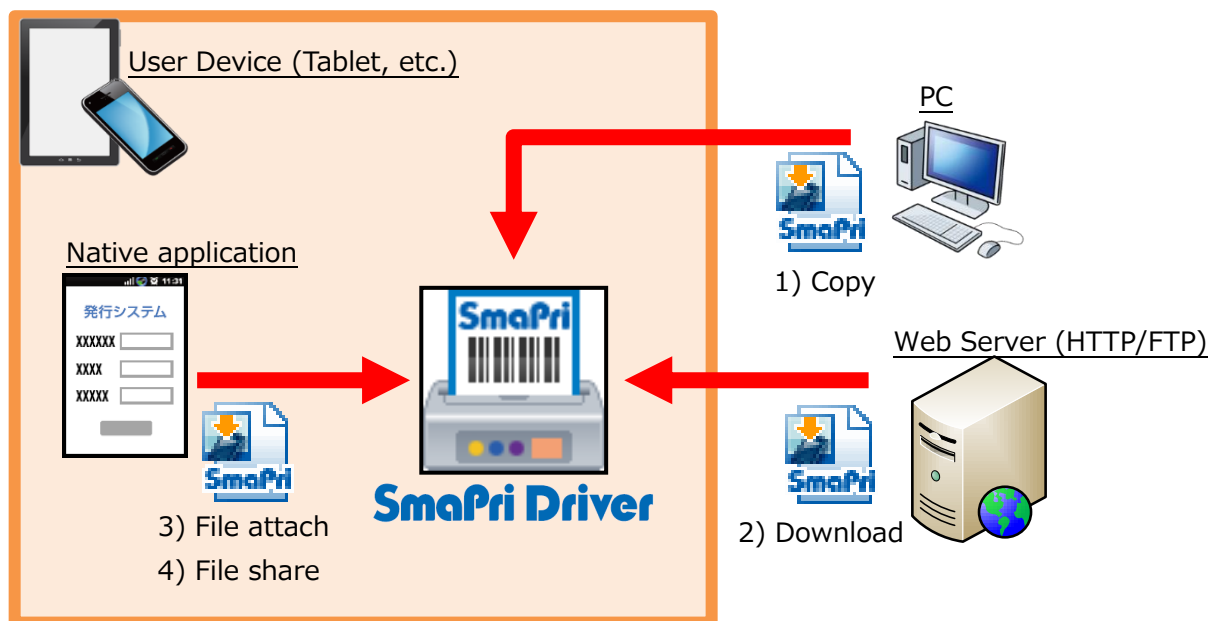
**1-3****How to use Format file (\*.spfmtz)**

- Transfer Format file - Copy - Attach - Download

**- Transfer Format file**

To print labels, the format file must be transferred to a user device via either of the following methods depending.

- 1) Copy to Device local storage. 2) Download from web server.
- 3) File attach to request. 4) File share.

**- Copy to Device local storage ("\_\_format\_archive\_url" parameter)**

Specify the file path (file://) of format file copied to device local storage. This method is supposed to mainly use at the stand-alone application.

Please refer to the "Driver Settings" manual of the OS you are using.

**- Download from server ("\_\_format\_archive\_url" parameter)**

Specify the format file URL (http:// or ftp://). SmaPri Driver will download the format file from server to register format. "\*.spfmtz" MIME type registration to the Web server is required. Please check the settings of the server.

**- File attach to request ("\_\_format\_archive\_attach" parameter)**

This method is to include a format file data in the request. This method is supposed to mainly use at native applications. In the case of Web applications you can transfer a format file with the specified FILE tag in FORM tag.

### - File share (only iOS)

Register format by sending the format file to SmaPri Driver from another application (mail, browser, etc.). For details, refer to the "Driver Settings" manual.

|   |
|---|
| Details of "__format_archive_attach" and "__format_archive_url" parameter, Please refer to " <b>Print Format</b> " and " <b>Register/get format</b> " in the " <b>HTTP manual</b> " or " <b>Custom URL scheme manual</b> ". |
|---|