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1. Overview

Status API is a status monitor API for Epson TM/BA printers. Status API for Linux BA-T500II Custom is a subset of APD4 Status API. This document describes the difference from APD4 Status API.

1.1. Information that can be Acquired from BA-T500II Custom

1.1.1. ASB Status

Information required for the print application, i.e. print completed, offline, out of paper, cover open, power off, error generated, etc. This information is automatically sent to the Status API.

1.1.2. Ink ASB Status

This is not supported.

1.1.3. Maintenance Counter

This is not supported.

1.2. Development Language

gcc 4.3.3 is required.

g++ 4.3.3 is required.

.NET is not supported.

2. Using Status API

2.1. Install and Uninstall

Status API is installed and uninstalled through a terminal as root user. Below are the commands for installing and uninstalling Status API:

2.1.1. Install

```
$ dpkg -i epson-stmapi-<version>.<architecture>.deb
```

2.1.2. Uninstall

```
$ dpkg -r epson-stmapi
```

2.2. Types of Status API Functions

2.2.1. Starting/Closing Status API

This is the same as APD4.

2.2.2. Acquiring ASB Status

The following functions are not supported:

- a. BiSetStatusBackFunction
- b. BiSetStatusBackFunctionEx
- c. BiSetStatusBackWnd

New function BiSetStatusBackFunctionEx2 is available. Refer to Chapter 4 for further detail.

Some ASB (e.g. ASB_SPOOLER_IS_STOPPED) are never returned.

2.2.3. Acquiring and resetting the maintenance counter

This is not supported.

2.2.4. Acquiring the printer information

This is not supported.

2.2.5. Drawer control

This is the same as APD4.

2.2.6. Recovery from a recoverable error

This is not supported.

2.2.7. Printer reset

This is the same as APD4.

2.2.8. Power off pre-process

This is not supported.

2.2.9. Command definition file

This is not supported.

2.2.10. Send the ESC/POS command

The function BiDirectIO is not supported.

3. Using the MICR/Scanner

MICR and Scanner are not supported.

4. APD4 References

Below are the supported status APIs in Linux:

4.1. BiOpenMonPrinter

This API is the same as APD4.

4.2. BiCloseMonPrinter

This API is the same as APD4.

4.3. BiLockPrinter

This API is the same as APD4.

4.4. BiUnlockPrinter

This API is the same as APD4.

4.5. BiGetStatus

This API is the same as APD4.

4.6. BiSetStatusBackFunctionEx2

Behaviour is similar to BiSetStatusBackFunctionEx except that it has a new parameter.

Syntax

```
BiSetStatusBackFunctionEx2(int nHandle,  
                           int (CALLBACK *pStatusCB)(DWORD dwStatus, LPVOID  
                           lpParam),  
                           LPVOID lpParam)
```

Argument

nHandle: Specifies the handle. This is an INT type.
int (CALLBACK *pStatusCB)(DWORD dwStatus, LPVOID lpParam): Specifies the definition address of the callback function.
dwStatus: Returns the ASB status saved to Status API. The ASB status is a 4 byte configuration. This is a DWORD type.
lpParam: This contains data specified by the user that will be used to handle printer status on callback. This is a LPVOID type.

4.7. BiCancelStatusBack

Behaviour is the same as APD4.

This function cancels the function set by BiSetStatusBackFunctionEx2.

4.8. BiResetPrinter

This API is the same as APD4.

4.9. BiDirectIOEx

This API is the same as APD4.

4.10. BiOpenDrawer

This API is the same as APD4.

5. Generating Log Files

.NET is not supported.

The log file name is epuras.log. By default, it is located at /var/epson/epuras.

5.1. Log Files Settings

No tool is provided for setting log file.