
ThermalPrinter Documentation

Release latest

Tiger-222

May 06, 2018

Contents

1	Installation	2
2	Setup	2
3	Usage	2
4	Tools	2
5	ThermalPrinter API	2
6	Developers	2
7	Indices and tables	3
	Python Module Index	5

Python module to manage the DP-EH600 thermal printer (the one sold by AdaFruit).

- **Python 3+ only** and **PEP 8** compliant;
- this is a clean follow of the technical manual with few helpers;
- get the [source code on GitHub](#);
- and [report a bug](#);
- also several useful [recipes](#);
- **contibutors** are welcome, check the *developer guide*!

Content

CHAPTER 1

Installation

1.1 Dependencies

The only dependency is `pySerial` (version 3.0+):

```
python3 -m pip install --upgrade --user pyserial
```

For Python < 3.4, you will need to install *Enum* too:

```
python3 -m pip install --upgrade --user enum34
```

1.2 Recommended way

Quite simple:

```
python3 -m pip install --upgrade --user thermalprinter
```

1.3 From sources

Alternatively, you can get a copy of the module from GitHub.

1. Clone the repository:

```
git clone https://github.com/BoboTiG/thermalprinter.git
cd thermalprinter
```

2. Install them module:

```
python3 setup.py install --user
```

CHAPTER 2

CHAPTER 7

Indices and tables

- `genindex`
- `search`

t

`thermalprinter, 2`
`thermalprinter.tools, 2`
`thermalprinter.validate, 2`

Symbols

`__init__()` (thermalprinter.ThermalPrinter method), 2

B

`barcode()` (thermalprinter.ThermalPrinter method), 2

`BarCode.CODABAR` (in module thermalprinter), 2

`BarCode.CODE128` (in module thermalprinter), 2

`BarCode.CODE39` (in module thermalprinter), 2

`BarCode.CODE93` (in module thermalprinter), 2

`BarCode.ITF` (in module thermalprinter), 2

`BarCode.JAN13` (in module thermalprinter), 2

`BarCode.JAN8` (in module thermalprinter), 2

`BarCode.UPC_A` (in module thermalprinter), 2

`BarCode.UPC_E` (in module thermalprinter), 2

`barcode_height()` (thermalprinter.ThermalPrinter method), 2

`barcode_left_margin()` (thermalprinter.ThermalPrinter method), 2

`barcode_position()` (thermalprinter.ThermalPrinter method), 2

`barcode_width()` (thermalprinter.ThermalPrinter method), 2

`BarCodePosition.ABOVE` (in module thermalprinter), 2

`BarCodePosition.BELOW` (in module thermalprinter), 2

`BarCodePosition.BOTH` (in module thermalprinter), 2

`BarCodePosition.HIDDEN` (in module thermalprinter), 2

`bold()` (thermalprinter.ThermalPrinter method), 2

C

`char_spacing()` (thermalprinter.ThermalPrinter method), 2

`charset()` (thermalprinter.ThermalPrinter method), 2

`CharSet.CHINA` (in module thermalprinter), 2

`CharSet.DENMARK` (in module thermalprinter), 2

`CharSet.DENMARK2` (in module thermalprinter), 2

`CharSet.FRANCE` (in module thermalprinter), 2

`CharSet.GERMANY` (in module thermalprinter), 2

`CharSet.ITALY` (in module thermalprinter), 2

`CharSet.JAPAN` (in module thermalprinter), 2

`CharSet.KOREA` (in module thermalprinter), 2

`CharSet.LATIN_AMERICAN` (in module thermalprinter), 2

`CharSet.NORWAY` (in module thermalprinter), 2

`CharSet.SLOVENIA` (in module thermalprinter), 2

`CharSet.SPAIN` (in module thermalprinter), 2

`CharSet.SPAIN2` (in module thermalprinter), 2

`CharSet.SWEDEN` (in module thermalprinter), 2

`CharSet.UK` (in module thermalprinter), 2

`CharSet.USA` (in module thermalprinter), 2

`chinese()` (thermalprinter.ThermalPrinter method), 2

`Chinese.BIG5` (in module thermalprinter), 2

`Chinese.GBK` (in module thermalprinter), 2

`Chinese.UTF_8` (in module thermalprinter), 2

`chinese_format()` (thermalprinter.ThermalPrinter method), 2

`codepage()` (thermalprinter.ThermalPrinter method), 2

`CodePage.CP1250` (in module thermalprinter), 2

`CodePage.CP1252` (in module thermalprinter), 2

`CodePage.CP1253` (in module thermalprinter), 2

`CodePage.CP1254` (in module thermalprinter), 2

`CodePage.CP1255` (in module thermalprinter), 2

`CodePage.CP1256` (in module thermalprinter), 2

`CodePage.CP1257` (in module thermalprinter), 2

`CodePage.CP1258` (in module thermalprinter), 2

`CodePage.CP437` (in module thermalprinter), 2

`CodePage.CP720` (in module thermalprinter), 2

`CodePage.CP737` (in module thermalprinter), 2

`CodePage.CP755` (in module thermalprinter), 2

`CodePage.CP775` (in module thermalprinter), 2

`CodePage.CP850` (in module thermalprinter), 2

`CodePage.CP852` (in module thermalprinter), 2

`CodePage.CP855` (in module thermalprinter), 2

`CodePage.CP856` (in module thermalprinter), 2

`CodePage.CP857` (in module thermalprinter), 2

`CodePage.CP858` (in module thermalprinter), 2

`CodePage.CP860` (in module thermalprinter), 2

`CodePage.CP862` (in module thermalprinter), 2

`CodePage.CP863` (in module thermalprinter), 2

`CodePage.CP864` (in module thermalprinter), 2

`CodePage.CP865` (in module thermalprinter), 2

CodePage.CP866 (in module thermalprinter), 2
CodePage.CP874 (in module thermalprinter), 2
CodePage.CP932 (in module thermalprinter), 2
CodePage.CYRILLIC (in module thermalprinter), 2
CodePage.IRAN (in module thermalprinter), 2
CodePage.IRAN2 (in module thermalprinter), 2
CodePage.ISO_8859_1 (in module thermalprinter), 2
CodePage.ISO_8859_15 (in module thermalprinter), 2
CodePage.ISO_8859_2 (in module thermalprinter), 2
CodePage.ISO_8859_3 (in module thermalprinter), 2
CodePage.ISO_8859_4 (in module thermalprinter), 2
CodePage.ISO_8859_5 (in module thermalprinter), 2
CodePage.ISO_8859_6 (in module thermalprinter), 2
CodePage.ISO_8859_7 (in module thermalprinter), 2
CodePage.ISO_8859_8 (in module thermalprinter), 2
CodePage.ISO_8859_9 (in module thermalprinter), 2
CodePage.LATVIA (in module thermalprinter), 2
CodePage.MIK (in module thermalprinter), 2
CodePage.THAI (in module thermalprinter), 2
CodePage.THAI2 (in module thermalprinter), 2
CodePageConverted.CP755 (in module thermalprinter), 2
CodePageConverted.IRAN (in module thermalprinter), 2
CodePageConverted.IRAN2 (in module thermalprinter), 2
CodePageConverted.LATVIA (in module thermalprinter), 2
CodePageConverted.MIK (in module thermalprinter), 2
CodePageConverted.THAI (in module thermalprinter), 2
CodePageConverted.THAI2 (in module thermalprinter), 2

D

double_height() (thermalprinter.ThermalPrinter method), 2
double_width() (thermalprinter.ThermalPrinter method), 2

F

feed() (thermalprinter.ThermalPrinter method), 2
feeds (thermalprinter.ThermalPrinter attribute), 2

I

image() (thermalprinter.ThermalPrinter method), 2
inverse() (thermalprinter.ThermalPrinter method), 2
is_online (thermalprinter.ThermalPrinter attribute), 2
is_sleeping (thermalprinter.ThermalPrinter attribute), 2

J

justify() (thermalprinter.ThermalPrinter method), 2

L

left_margin() (thermalprinter.ThermalPrinter method), 2
line_spacing() (thermalprinter.ThermalPrinter method), 2
lines (thermalprinter.ThermalPrinter attribute), 2

ls() (in module thermalprinter.tools), 2

M

max_column (thermalprinter.ThermalPrinter attribute), 2

O

offline() (thermalprinter.ThermalPrinter method), 2
online() (thermalprinter.ThermalPrinter method), 2
out() (thermalprinter.ThermalPrinter method), 2

P

Python Enhancement Proposals
PEP 8, 1

R

reset() (thermalprinter.ThermalPrinter method), 2
rotate() (thermalprinter.ThermalPrinter method), 2

S

send_command() (thermalprinter.ThermalPrinter method), 2
size() (thermalprinter.ThermalPrinter method), 2
sleep() (thermalprinter.ThermalPrinter method), 2
status() (thermalprinter.ThermalPrinter method), 2
strike() (thermalprinter.ThermalPrinter method), 2

T

test() (thermalprinter.ThermalPrinter method), 2
test_char() (in module thermalprinter.tools), 2
testing() (in module thermalprinter.tools), 2
ThermalPrinter (class in thermalprinter), 2
thermalprinter (module), 2
thermalprinter.tools (module), 2
thermalprinter.validate (module), 2
ThermalPrinterAttributeError, 2
ThermalPrinterConstantError, 2
ThermalPrinterError, 2
ThermalPrinterValueError, 2
to_bytes() (thermalprinter.ThermalPrinter method), 2

U

underline() (thermalprinter.ThermalPrinter method), 2
upside_down() (thermalprinter.ThermalPrinter method), 2

V

validate_barcode() (in module thermalprinter.validate), 2
validate_barcode_position() (in module thermalprinter.validate), 2
validate_charset() (in module thermalprinter.validate), 2
validate_chinese_format() (in module thermalprinter.validate), 2

validate_codepage() (in module thermalprinter.validate),
2

W

wake() (thermalprinter.ThermalPrinter method), 2