Label Printer

dtpweb Interface Quickstart

PC Web Version

V2.1.20221230

DothanTech

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Content

1. dtpweb interface overview

dtpweb interface is a JavaScript interface based on the dtpweb Print Assistant provided by the label printer manufacturer. The purpose is to allow users to quickly and seamlessly complete the operation of the printer, shorten the development cycle and speed up the development process.

For different development environments, the dtpweb interface has good compatibility, supporting Chrome, Firefox, IE, Edge and other mainstream kernel browsers, of course, also supports 360 browser, Cheetah, QQ browser, Sogou and other third-party browsers. At the same time, any development language that supports http requests can use the dtpweb interface for printer-related operations.

The dtpweb interface has a wide range of system compatibility, supporting Windows, Kirin OS, UOS, Ubuntu, Debian and other mainstream desktop operating systems.

The dtpweb interface provides callers with easy-to-use methods that allow users to quickly complete operations related to label drawing and printing. The interface provides methods for drawing text, 1D barcodes, 2D codes, pictures, and various graphics, etc. It can also rotate the drawing object and rotate the drawing page, and the caller can call the methods to get the finished label picture for label preview, which makes the label drawing operation more convenient.

2. dtpweb interface directory structure

Content of dtpweb SDK is structured as follows:

- DothanTech-dtpweb（PC Web）Interface Quickstart.pdf (this document);
- DothanTech-dtpweb（PC Web）Interface Description.pdf;
- lib directory, dtpweb asynchronous interface documenta. Manufacturer recommends that you use asynchronous interface for printing operations, since printing is a time-consuming process;
- lib_sync directory, dtpweb synchronous interface document. This is a release for older browsers or users who do not like to use the asynchronous interface, and for compatibility with older interfaces;
- dtpweb, dtpweb Print Assistant installation program (if you have already installed printer driver, you do not need to repeat install this because the driver already inherits the Print Assistant);
- test/html, demo machine test code in browser mode. With the demo code we provide, users can quickly learn how to use the dtpweb interface in a web environment (browser);
- test/vuetest, This demo allows you to quickly learn how to use the dtpweb interface in a vue environment.
- test/nodetest, demo and test code for the NodeJS environment. With this demo, users can quickly learn how to integrate the dtpweb module in NodeJS.

3. dtpweb interface operating environment

The dtpweb interface is based on the JavaScript interface encapsulated in the dtpweb Print Assistant provided by manufacturer, so you need to install the dtpweb Print Assistant provided by manufacturer before using the dtpweb interface. On Window systems, the dtpweb Print Assistant has been built into the printer driver, so you only need to install the corresponding printer driver. In other cases, the dtpweb Print Assistant must be installed separately.

4. dtpweb interface quickstart

4.1 Integrate dtpweb SDK in project
Install the dtpweb interface package via npm or yarn:

Code

```
// Import modules via the npm package management tool
npm install dtpweb
// Import modules via the yarn package management tool
yarn add dtpweb
```

4.2 Draw text in the browser via the dtpweb interface
Using flow of this module in browser:

Code

```
// 1. Get Interface Code
// Once you get interface package, copy the lib directory from the interface package to an
appropriate location in your project;
// 2. Introduce the dtpweb.js file in the html file
<script type="text/javascript" src="../../lib/dtpweb.js"></script>
<script>
// 3. Check if the interface is available
var api = undefined;
window.onload = function() {
    dtpweb.DTPWeb.getApi().then(value => {
        api = value;
        if (!value) alert("The interface is not available, please check if Print Assistant is
        installed ");
    })
}

// 4. Draw Text
async function printText(content) { if
    (!api) return;
    // Connect Printer
    await api.openPrinter();
    // Create a print job in specific size
    await api.startJob({width: 40, height: 30});
    // Draw Text
    await api.drawText({text: content});
    // Submit a print job to start printing
    await api.commitJob();
    // Close Printer
    await api.closePrinter();
}
</script>
```

4.3 Draw QR Code in vue via dtpweb
Using flow in a vue project

Code

```
<script>
// 1. Install the dtpweb module via npm/yarn
// npm install dtpweb or yarn add dtpweb
// 2. Import dtpoweb interface
import { DTPWeb, LPA_JobNames } from "dtpweb";

async mounted() {
    // Get the available dtpweb interface
    api = await DTPWeb.getApi();
}
// Print QR Code Process
async printQrcode(content) {
    // 1. Connect printer
    await api.openPrinter();
    // 2. Create a print job in specific size
    await api.startJob({width: 30, height: 30});
    // 3. Draw QR codes on print jobs
    await api.draw2DQRCode({text: content, x: 5, y: 5, width: 20});
    // 4. Submit a print job to start printing
    await api.commitJob();
    // 5. Turn off the printer after printing
    await api.closePrinter();
}
<script>
```

For more information, please refer to the " DothanTech-dtpweb（PC Web）Interface Description.pdf " and the demos in the interface package provided by the manufacturer.

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4	V1.1.20220101	Synchronized update usage document according to latest interfaces Files	Hu Dianxing	2022-01-01
5	V2.0.20220310	Interfaces are invoked uniformly asynchronously	Hu Dianxing	2022-03-10
6	V2.1.20220627	Adaptation for Linux	Hu Dianxing	2022-06-27
7	V2.1.20221230	Add DataMatrix QR Code Print function	Hu Dianxing	2022-12-30