



TOKYO DEVICES

TDPC0205

"Clock Dongle" USB Real-Time Clock (RTC)

Revision 1.0



The "Clock Dongle" is a Real-Time Clock (RTC) used to obtain the current date and time. It is designed to be used in conjunction with computers that lack battery backup, such as single-board computers. Even without computer power, it can continuously provide the current time. It is compatible with both Windows and Linux.

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1. Specifications

Name	Value	Description
Supported OS	Windows7 and later / Linux	
Settable Time Range	Year: 00-99, Month: 01-12, Day: 01-31, Hour: 00-23, Minute: 00-59, Second: 00-59	
Leap Year Calculation	Yes	
Accuracy	< 20ppm	
USB Standard	USB 2.0	
USB Connector Type	Type A	
Battery Life	> 5 years	Room temperature, Design value
Battery	CR2032	Built-in, Not recommended for replacement
Dimensions	60 x 25 x 7mm	
Weight	12 g	Battery included
Temp. Range	0-50°C	
Current Consumption	6 mA typ. (USB On) 0.5uA typ. (USB Off)	

2. How to Use

TDPC0205 is controlled using the "TD-USB" command. TD-USB is a command-line program that works on Windows and Linux. To obtain TD-USB, you can search for the product model on the Tokyo Devices website or get it from the GitHub repository:

Tokyo Devices Web: <https://en.tokyodevices.com/>

TD-USB GitHub Repository: <https://github.com/tokyodevices/td-usb/>

After compiling and executing the TD-USB command, you can confirm its operation with the following steps:

1. Connect TDPC0205 to your computer.
2. Enter `td-usb tdpc0205 set` in the command line to set the current time on the device.
3. Enter `td-usb tdpc0205 get` in the command line to retrieve the current time and confirm that it is obtained.

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