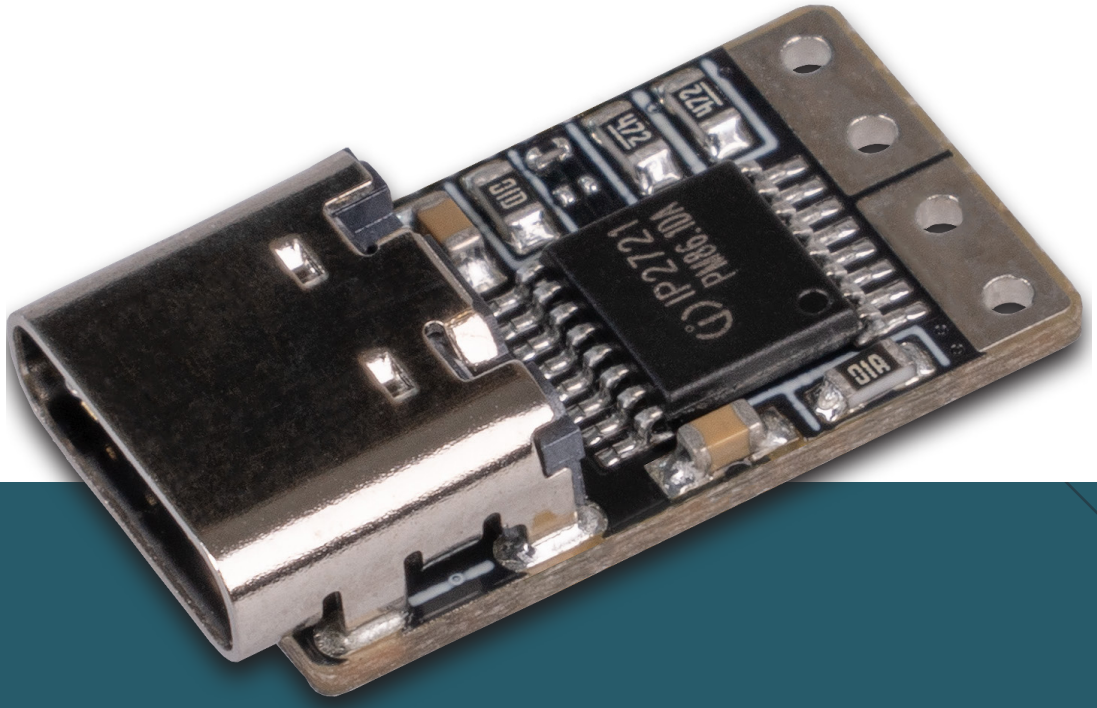


USB PD TRIGGER MODULE

COM-ZYPDS

1. GENERAL INFORMATION

Dear Customer,
Thank you for choosing our product. Below, we will show you what you need to bear in mind when commissioning and using the product.

Should you encounter any unexpected problems during use, please do not hesitate to contact us.

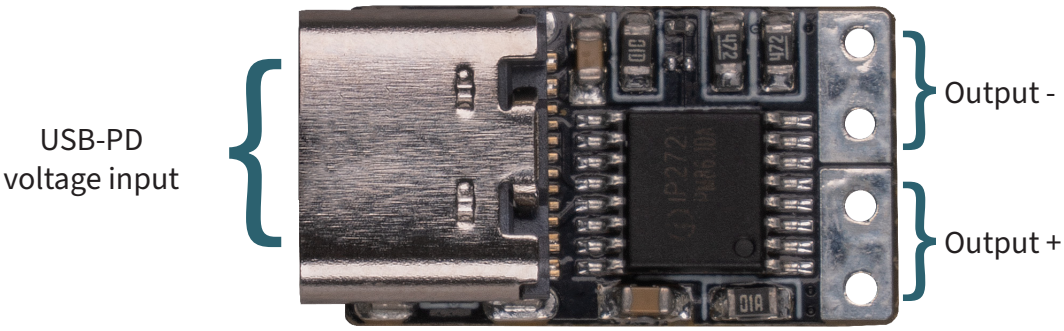
The ZYPDS USB-PD trigger module is a particularly compact and practical auxiliary module for voltage requests from USB-C power supplies. It enables the targeted request of a specific output voltage via the USB Power Delivery protocol and is ideal for test setups, in-house developments or laboratory applications.

The module is set to 5 V as default. By specifically removing one or two resistors, the output voltage can be changed to 15 V or 20 V. This permanent configuration via solder adjustment is particularly suitable for applications that require a fixed, stable output voltage.

The input is via a USB-C socket and the output via solder pads, so that the desired voltage can be used directly. Thanks to its small size, the ZYPDS module can be easily integrated into compact projects or used as a measurement and development adapter.

The module requires a USB-C PD power supply that supports the desired output voltage. It is not a voltage converter, but merely a trigger module that requests the selected voltage from the PD power supply.

2. DEVICE OVERVIEW



3. OPERATION

Connect your USB-PD trigger module to an USB PD-compatible power supply. This module provides you with three voltage modes. The mode can be changed by soldering the resistors.

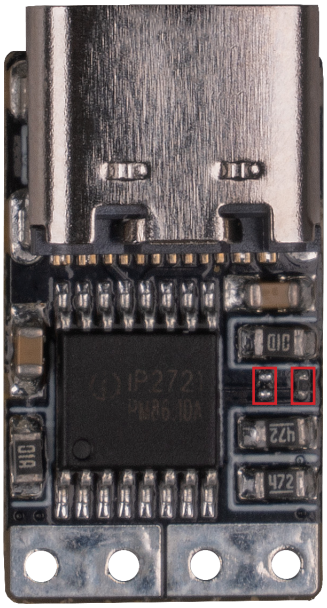
There are **2 different Boarddesigns** of this module. Please compare the layout of your module with the pictures below, too see wich modifications are needed for your module.

Layout 1
When both resistors are soldered in, the output voltage is 5 V.
If the resistor on the left side of the circuit board is soldered in place (USB-C facing upwards) the output voltage is also 5 V.

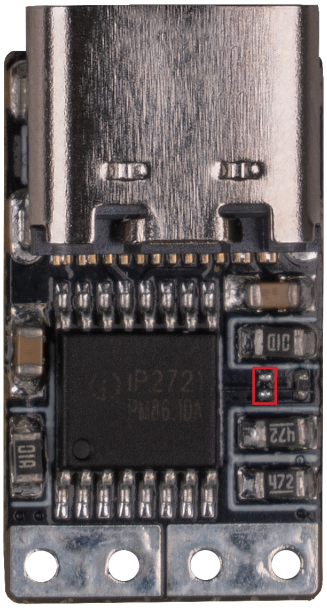
If only the right resistor is soldered to the board (USB-C facing upwards), the output voltage is 20 V.

If no resistance is connected, the output voltage is 15 V.

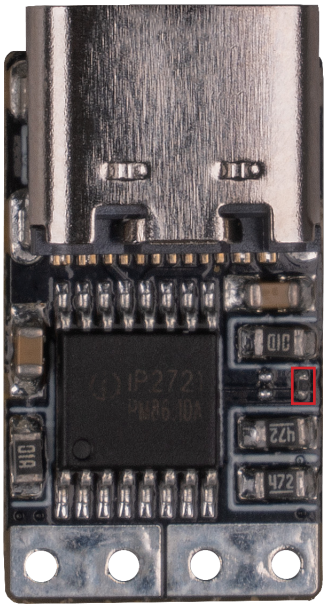
The 9 V and 12 V voltage modes can only be used with a USB PD power supply that supports these voltages and does not offer higher voltages. Alternatively, our COM-ZYPDS-02 can be used, which is specifically designed for 9 V and 12 V instead of 15 V and 20 V.



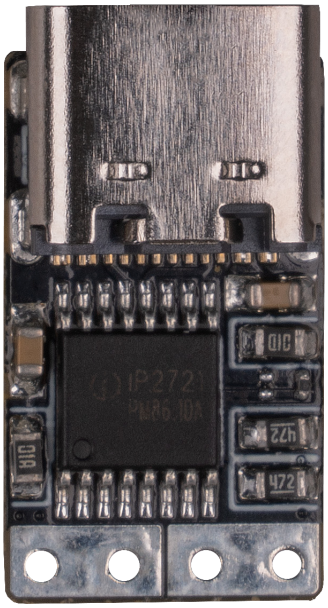
Both resistors soldered = 5 V



Left resistor soldered = 5 V



Right resistor soldered = 20 V



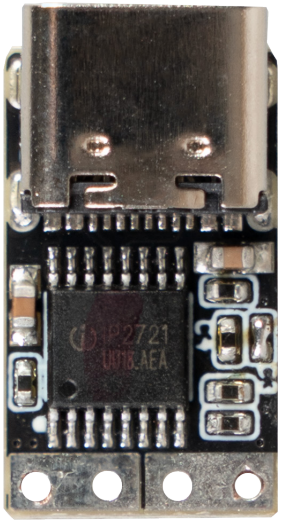
No resistor soldered = 15 V

Layout 2

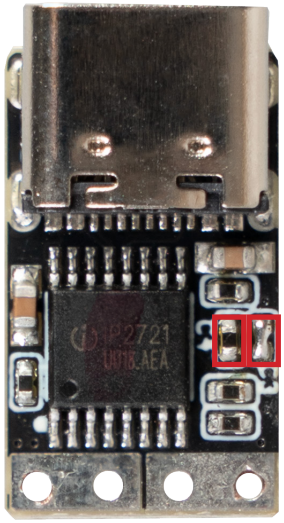
The second layouts default voltage is also 5 V.

To change it to 15 V, you unbridge / disolder both C3 & C4

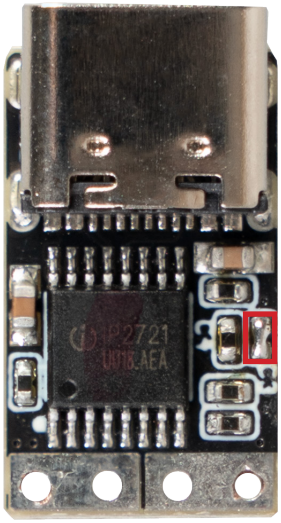
To change it to 20 V, you just have to remove the solderbridge C3.



Default C3 & C4 set = 5 V



Remove C3 & C4 = 15 V



Remove C3 = 20 V

6. INFORMATION AND TAKE-BACK OBLIGATIONS

Our information and take-back obligations under the German Electrical and Electronic Equipment Act (ElektroG)

Symbol on electrical and electronic equipment:
This crossed-out wheelie bin symbol means that electrical and electronic equipment must not be disposed of with household waste. You must take old appliances to a collection point. Before disposal, you must remove any old batteries and accumulators that are not enclosed in the old appliance.

Return options:
As an end user, when purchasing a new device, you can return your old device (which essentially performs the same function as the new one purchased from us) for disposal free of charge. Small devices with external dimensions not exceeding 25 cm can be handed in in normal household quantities, regardless of whether you purchase a new device.

Option to return items to our company location during opening hours:
SIMAC Electronics GmbH, Pascal Street 8, D-47506 Neukirchen-Vluyn

Return option near you:
We will send you a parcel label so that you can return the device to us free of charge. To do so, please contact us by e-mail at Service@joy-it.net or by telephone.

Packaging information:
Please pack your old appliance securely for transport. If you do not have suitable packaging material or do not wish to use your own, please contact us and we will send you suitable packaging.

7. SUPPORT

We are also there for you after your purchase. If you still have questions or encounter any problems, we are also available to assist you via email, telephone and our ticket support system.

Email: service@joy-it.net
Ticket system: https://support.joy-it.net
Telephone: +49 (0)2845 9360 – 50

For further information, please visit our website:
www.joy-it.net

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