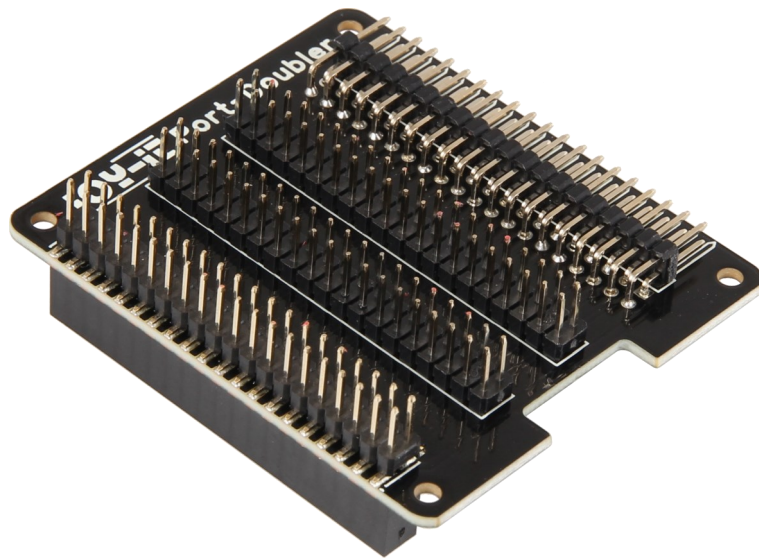


JOY-IT



Port-Doubler

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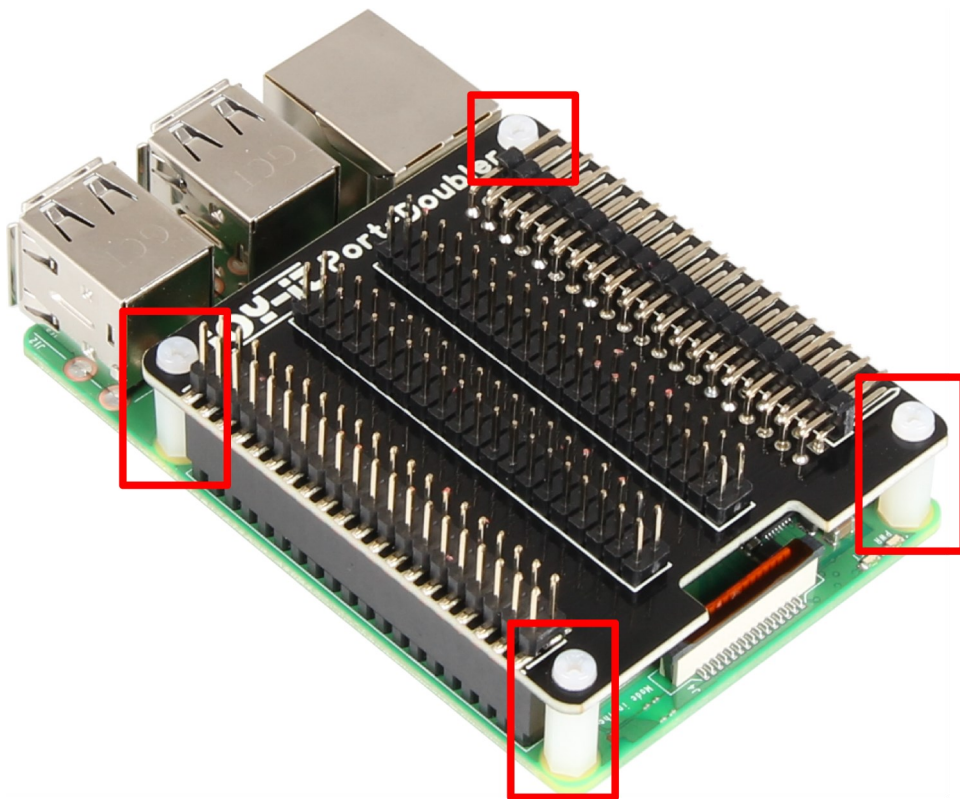
1. Introduction
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1. INTRODUCTION

Dear customer,
thank you for choosing our product.

In the following, we will show you what to observe during commissioning and use. Should you encounter any unexpected problems during use, please do not hesitate to contact us.

2. INSTALLATION



Simply plug the port doubler onto your Raspberry Pi as shown in the picture.
In addition, use the marked spacers and screw them tight for maximum stability.

3. USAGE

The port doubler is now ready for use. An additional driver installation is not necessary. This expansion board quadruples your GPIO bar. Each pin is now available four times.

1	3.3V DC			2	5V DC
3	GPIO 2 (SDA1, I2C)			4	5V DC
5	GPIO 3 (SCL1, I2C)			6	Ground
7	GPIO 4			8	GPIO 14 (TXD0)
9	Ground			10	GPIO 15 (RXD0)
11	GPIO 17			12	GPIO 18
13	GPIO 27			14	Ground
15	GPIO 22			16	GPIO 23
17	3.3V			18	GPIO 24
19	GPIO 10 (SPI, MOSI)			20	Ground
21	GPIO 9 (SPI, MISO)			22	GPIO 25
23	GPIO 11 (SPI, CLK)			24	GPIO 8 (SPI)
25	Ground			26	GPIO 7 (SPI)
27	ID_SD (I2C, EEPROM)			28	ID_SC
29	GPIO 5			30	Ground
31	GPIO 6			32	GPIO 12
33	GPIO 13			34	Ground
35	GPIO 19			36	GPIO 16
37	GPIO 26			38	GPIO 20
39	Ground			40	GPIO 21



Attention! Please note that the port doubler only quadruples your GPIO bar. A defined pin behaves the same on all four GPIO ports. A different assignment of a specific pin is technically not possible.

4. INFORMATION- AND TAKE-BACK OBLIGATIONS

Symbol on electrical and electronic equipment



This crossed-out dustbin means that electrical and electronic equipment does not belong in household waste. You must return the old devices to a collection point. Before disposal, you must separate old batteries and accumulators which are not enclosed in the old device.

Return options

As an end user, you can dispose of your old device (which essentially fulfils the same function as the new one purchased from us) free of charge when purchasing a new device. Small appliances where no external dimensions are larger than 25 cm can be delivered in normal household quantities, irrespective of the purchase of a new appliance.

Possibility of return at our company location during opening hours

Simac GmbH, Pascalstr. 8, D-47506 Neukirchen-Vluyn

Possibility of return in your area

We will send you a parcel stamp with which you can return the device to us free of charge. Please contact us by e-mail at Service@joy-it.net or by phone.

Information about packaging

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.

5. SUPPORT

We also support you after your purchase. If there are any questions left or if you encounter any problems, please feel free to contact us by mail, phone or by our ticket-system on our website.

E-Mail: service@joy-it.net

Ticket-System: <http://support.joy-it.net>

Phone: +49 (0)2845 98469 – 66 (11- 18 o'clock)

Please visit our website for more informations:

www.joy-it.net