

Raspberry Pi USB to 4Ports USB Power Hub Board

1. Introduction

Add Four USB Power Ports to your Raspberry Pi!

1.1. Features

- Four Ports USB Power Hub Board
- Selection of 2Pin power wafer for extra enough 5V power input when Pi application need power hungry USB devices installed
- Compliant with Universal Serial Bus Specification Revision 2.0 (Data Rate 1.5/12/480 Mbps)
- Compliant with Open Host Controller Interface Specification for USB Rev 1.0a
- Compliant with Enhanced Host Controller Interface Specification for USB Rev 0.95
- Both USB micro-B connector and USB 5Pin Pin Header for Raspberry Pi connecting
- USB2.0 5Pin Pin Header Assignment: 5V, D-, D+, NC, GND
- Four downstream USB A connectors and two USB 2x5Pin Pin Header to four USB devices connecting
- 2x5 USB2.0 Pin out Assignments
~~5V, D-, D+, GND, NC~~
5V, D-, D+, GND, Key
- Jumper selection either 2Pin wafer of external 5V power or Pi USB bus power to power PCBA & 4x USB Devices

2. Installation

- Connect this board to Raspberry Pi via USB Micro-B cable (**USB_m**) or 5Pin cable (**USB_P**).
- Connect USB type A connector or 2x5 pin header to USB devices.
- 5V_IN** Select board & USB bus power from Pi USB 5V bus (**USB**) or external 5V (**PWR**) input.
- If **5V_IN** selection on **PWR**, connect external 5V power input to 2.0mm pitch 1x2pin Wafer connector (**PWR**).

USB 5Pin Connector Signal

	Label	Signal Name
<input type="radio"/>	GND	Signal ground
<input type="radio"/>	NC	Keyed
<input type="radio"/>	D+	USB D+ signal
<input type="radio"/>	D-	USB D- signal
<input type="radio"/>	+5V	USB +5V

