

1 Power Jack and Connectors

Power input	12Vdc +/- 5% , ≥3A
DC Power Plug Size	5.5*2.5mm
Power input/output connector	XH2.54mm 2pin

1. X835 powers the Raspberry Pi via the 40-pin header (Pin 2 & 4)
2. Don't power the Raspberry Pi via the Pi's Type-C socket

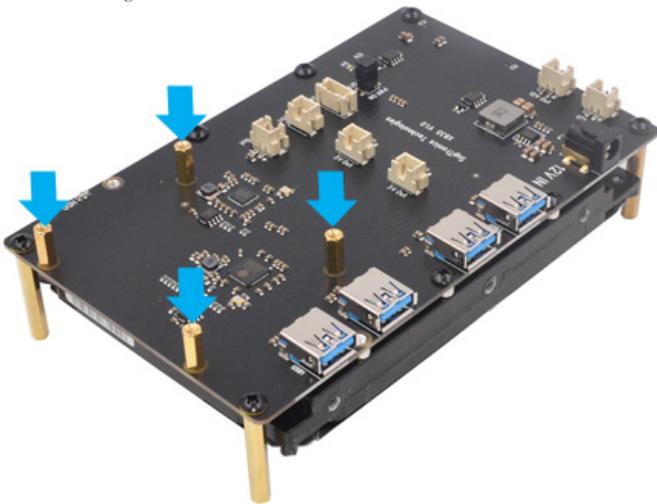
3 Using external latching Switch to control power on/off

Pin No.	Pin Description
1	Connects to "NC" pin
2	Connects to "COM" pin
3	Connects LED- (0V), for indicating power on/off
4	Connects LED+ (5V), for indicating power on/off

1. Please use latching switch only and not use momentary switch
2. Connector - Pitch 2.0mm 4pos
3. The jumper socket fitted for "PWR ON" is required to remove when using an external power switch

Board Assembly

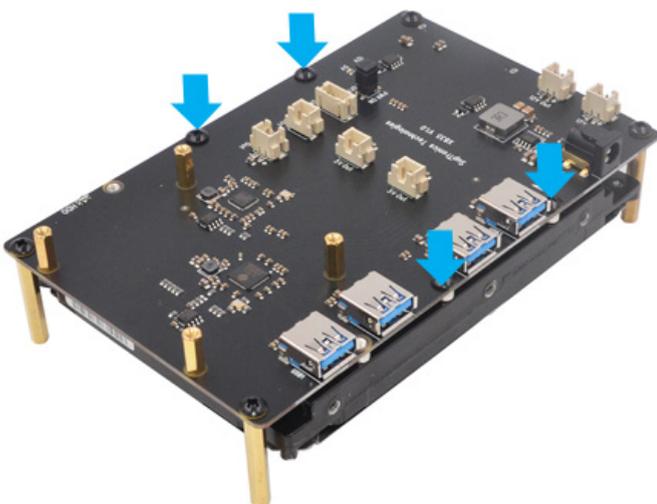
- 1 Push a screws (M2.5*5mm) up through the mounting hole on the underside of the X835 and screw the spacer (M2.5*12mm) down until it is hand tight.



- 2 Insert your 3.5" hard disk into the SATA socket on the PCB bottom side.



- 3 Using four M3*8mm screws to secure the hard drive.



- 4 Push a screw (M3*8mm) up through the mounting hole on the topside of the X835 and screw the spacer (M3*32mm) down until it is hand tight.



- 5 a) Place your Raspberry Pi on top of X835 and screw down.
b) Plug the power daughter board straight into your

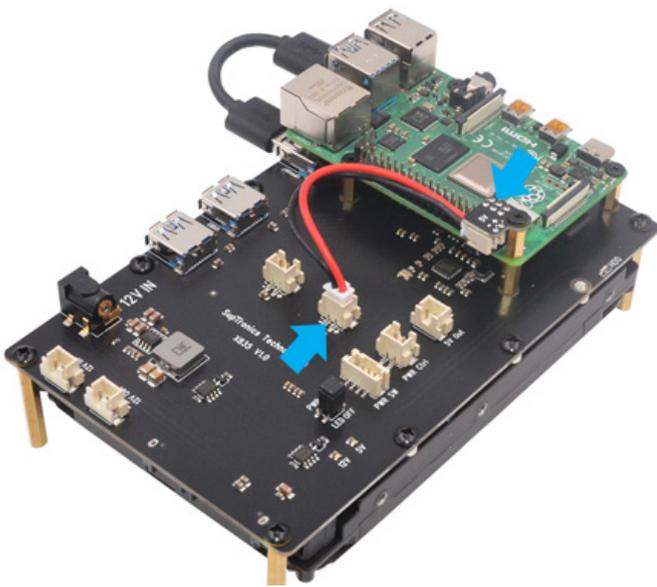
- 6 Plug in the USB male-to-male cable into the Rpi's USB3.0 port and the "UPPORT" on the X835.

2 4-Pin Header

Jumper Name	Usage
PWR ON	Short - Auto power-on when power applied
	Open - Using external latching switch or X710 / X735 power management board
LED OFF	Short - HDD status LED on
	Open - HDD status LED off

Raspberry Pi B+'s GPIO header.

c) Plugs in the 2-pin power cable into the "5V" female sockets on the power daughter board and X835

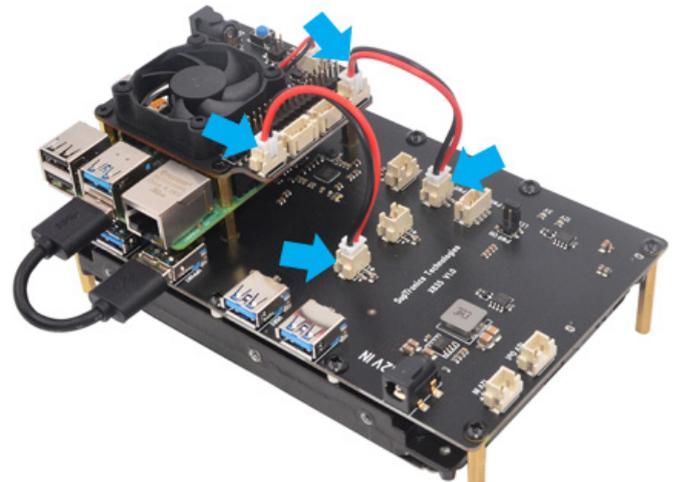
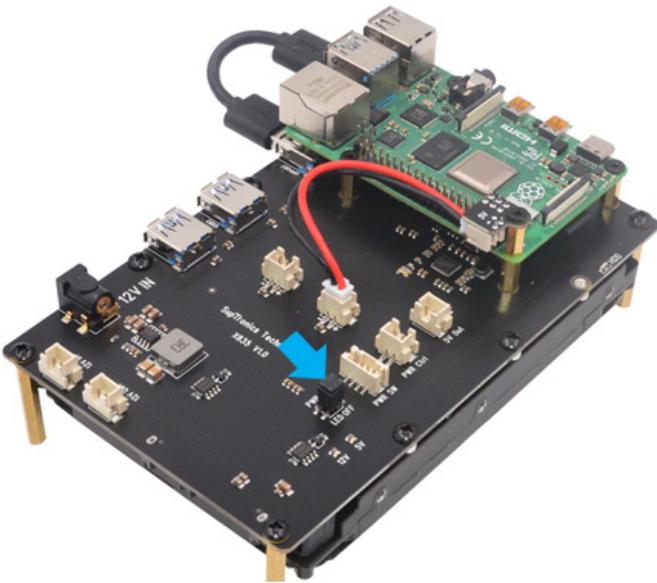


7 Optional - To use with X735 / X710 power mgmt board

- a) Unscrew 4 screws and spacer on the topside of Rpi
- b) Screw the M2.5*12 M/F spacer down until it is hand tight
- c) Remove the jumper socket fitted for "PWR".

- 8** a) Plugs the X735 straight into your Raspberry Pi's GPIO header and screw down (M2.5*5mm screws)
- b) Plug in the 2-pin power cable into the female JST connectors on X735 and X835.

Power adapter must be connected to the X835 only , not Raspberry Pi and X735.

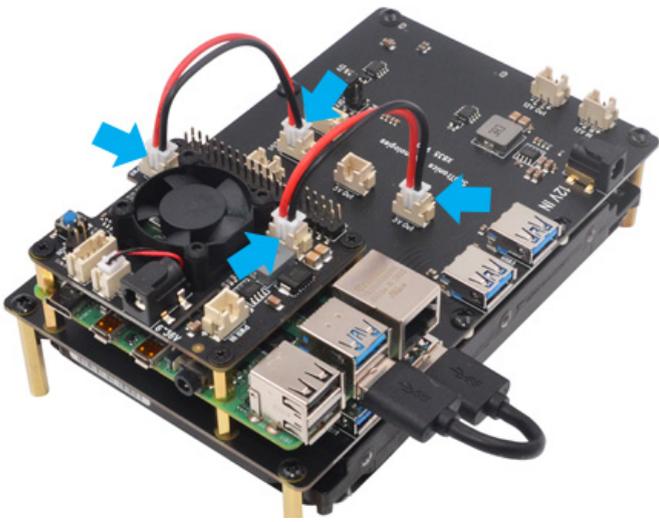


- 9** a) Plugs the X710 straight into your Raspberry Pi's GPIO header and screw down (M2.5*5mm screws)
- b) Plug in the 2-pin power cable into the female JST connectors on X710 and X835.

Power adapter must be connected to the X835 only , not Raspberry Pi and X710.

- 10** Optional - X835 is stackable and supports multiple HDDs working at the same time

Push a screw (M3*8mm) up through the mounting hole on the topside of the first X835 and screw the spacer (M3*40mm) down until it is hand tight.



11 Push the second X835 up through the M/F M3*40 spacers on the underside of the first X835 and screw down (Spacer F/F M3*32mm, if add one more X835 then using a spacer M/F M3 x40mm) until it is hand tight.

12 a) Connect the USB3 cable from "USB1" port on the first X835 to the "UPPORT" on the second X835.
 b) Connect the 2-pin power cable from "12V out" JST connector on the first X835 to the "12V in" JST connector on the second X835.

Power adapter must be connected to the first X835

