

Geekworm X1010 User Manual



ATTENTION:

- Be careful of static electricity and moisture-proof.
- Choking Hazard-Small Parts Not for Children under 3 years.



Support:

support@geekworm.com (Please attach your order No.)

Hardware & Software Support:

Click the url or scan the QR code below

<https://wiki.geekworm.com/X1010>



Overview

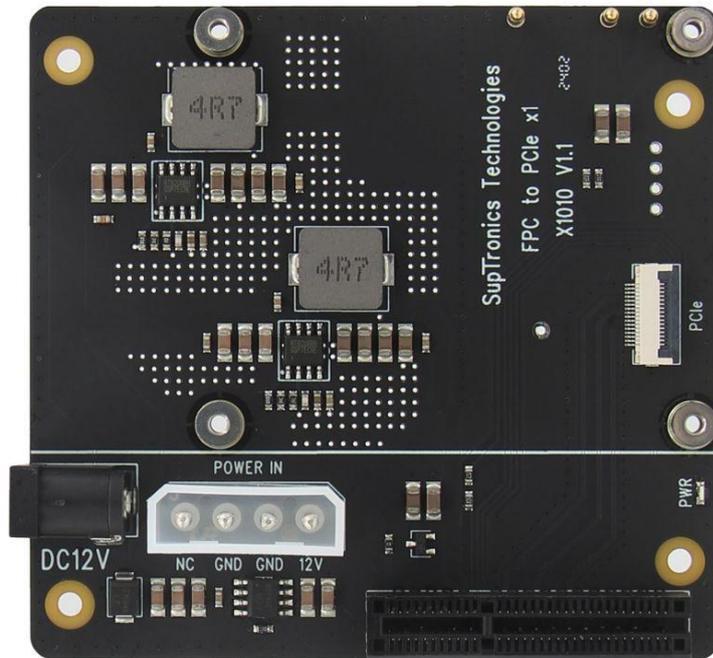
The X1010 PCIe FFC connector to standard PCIe x4 slot expansion board, designed for effortless integration of various PCIe add-on cards such as Graphics cards (GPUs), RAID cards, USB expansion cards, High-speed ethernet cards, Wi-Fi cards, and SSDs to enhance the capabilities of your Raspberry Pi5.

The X1010 features versatile power options, supporting 12V input via a common DC jack or ATX 4-pin peripheral power connector. Equipped with high-efficiency DC/DC step-down converters, it delivers a maximum of 5.5A to power your Raspberry Pi5 and provides 3.3V at 5.5A for your PCIe device.

By connecting to the underside of the Raspberry Pi 5, the X1010 eliminates the need for a GPIO passthrough, allowing you to seamlessly use your preferred HATs while maximizing the functionality of the expansion board.

Packing List

X1010 Packing List



M2.5x5mm

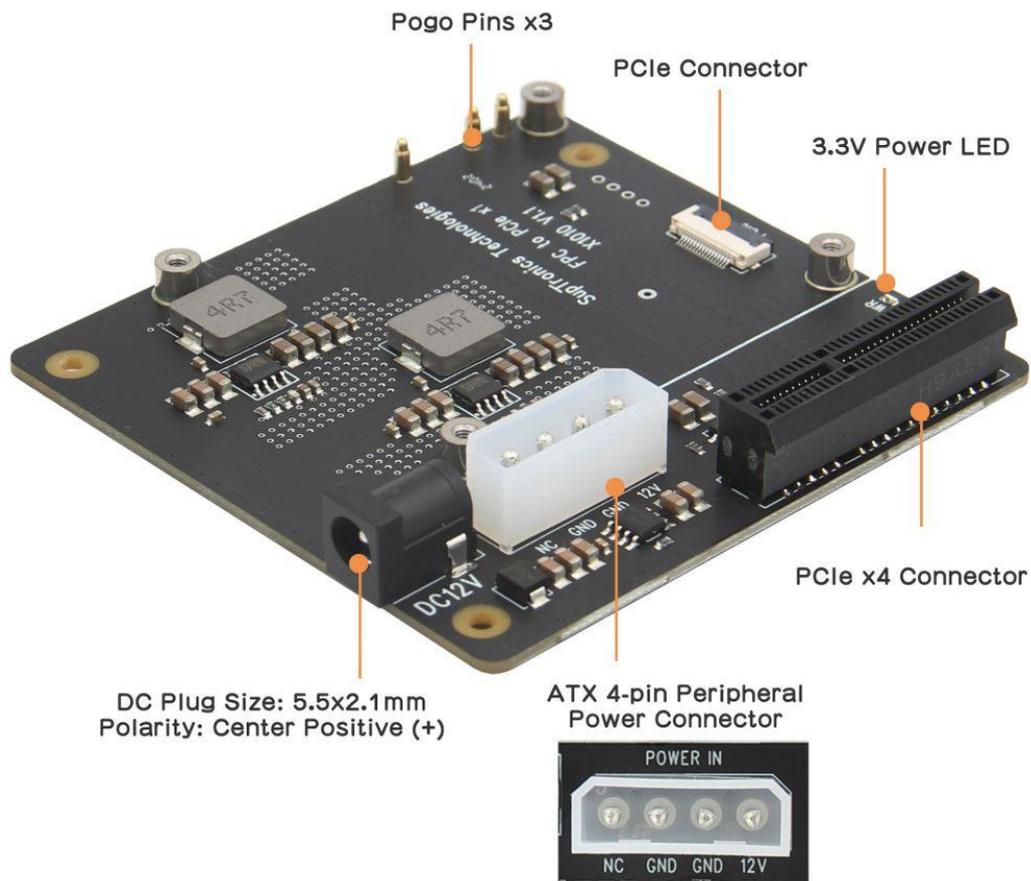


M2.5x12mm



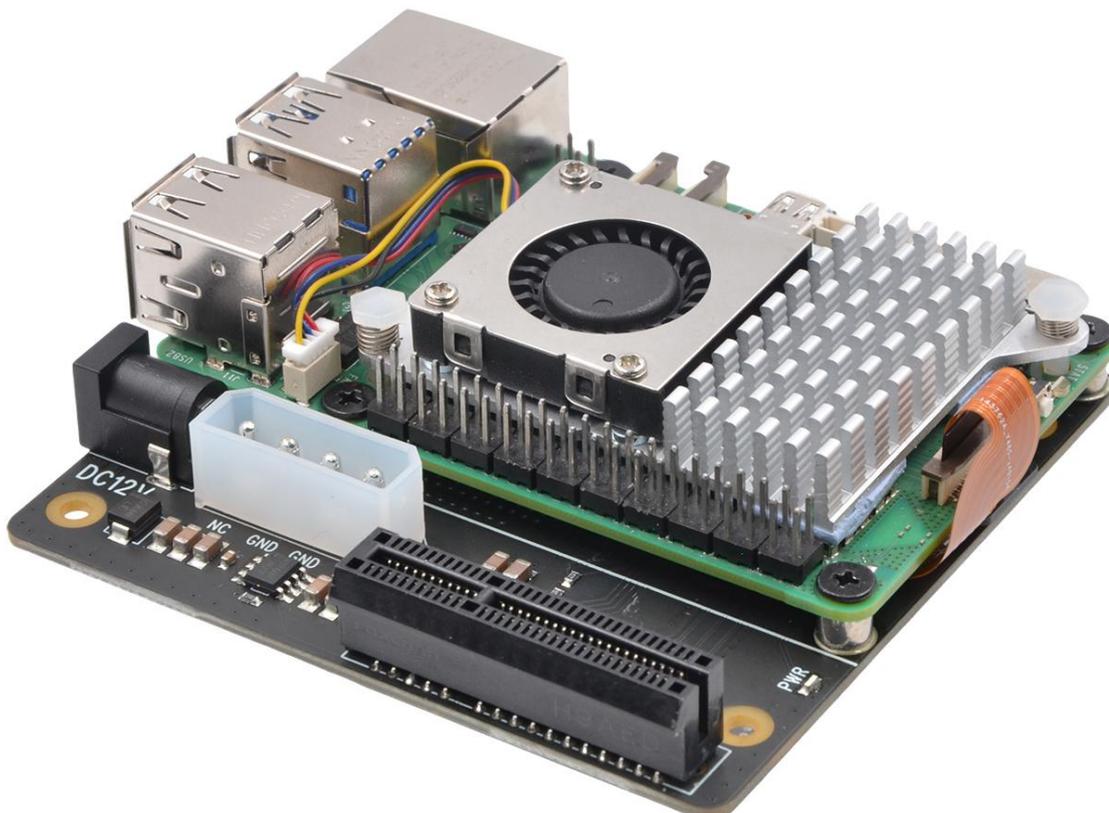
PCIe FFC cable (1pc is for backup)

Product Outlook



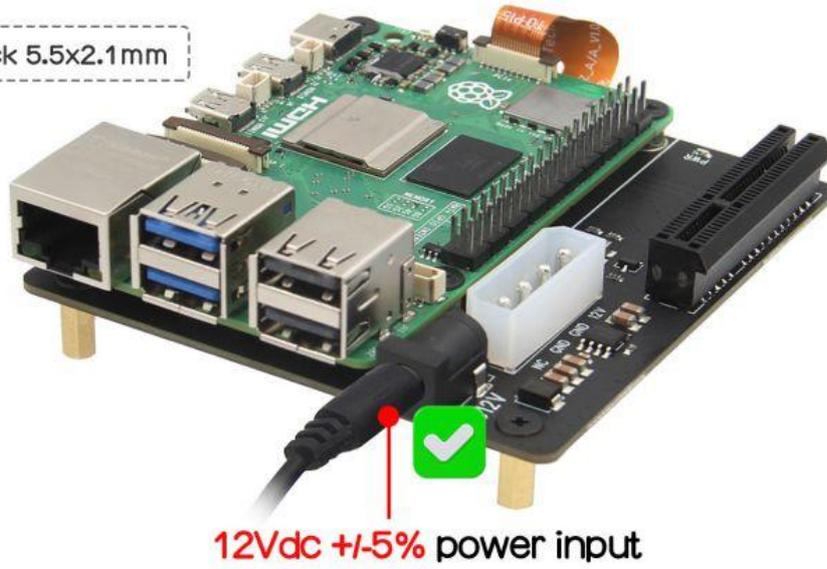
Application

For use with with

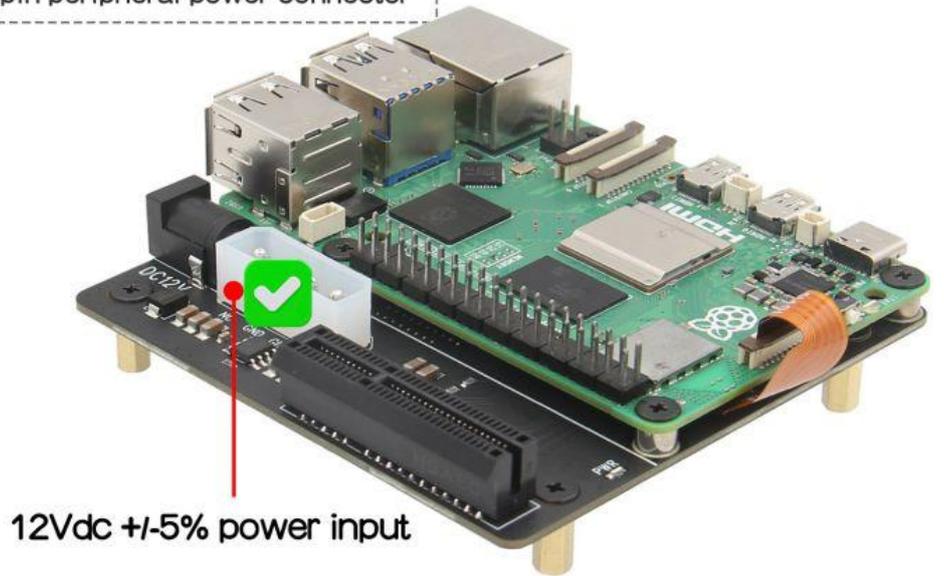


How to Power

1: Via DC power jack 5.5x2.1mm

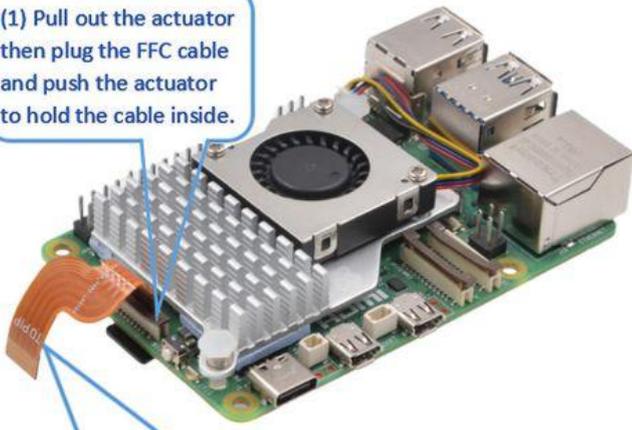


2: Via ATX 4-pin peripheral power connector



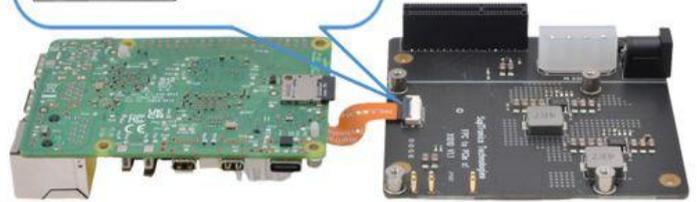
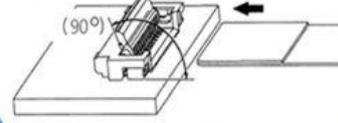
Don't power the X1010 and the Raspberry Pi5 at the same time.

(1) Pull out the actuator then plug the FFC cable and push the actuator to hold the cable inside.



(2) Confirm the FFC cable orientation
"TO PIP" – Must connect to the X1010
"TO PI5" – Must connect to the PI5

(3) Open the actuator completely, and insert it in the interior of the insertion entrance surely when you insert FFC.



(4) Position the Pi5 on top of the X1010 spacers and securely fasten it using four M2.5 screws.

