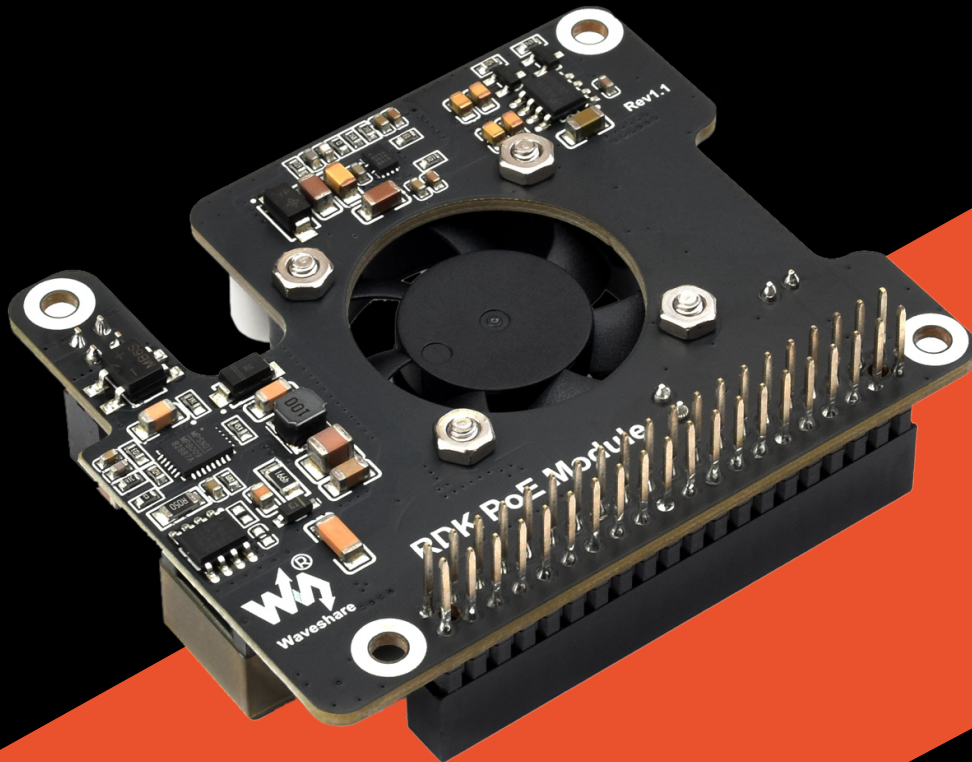


# D-Robotics

## RDK X5 PoE Module

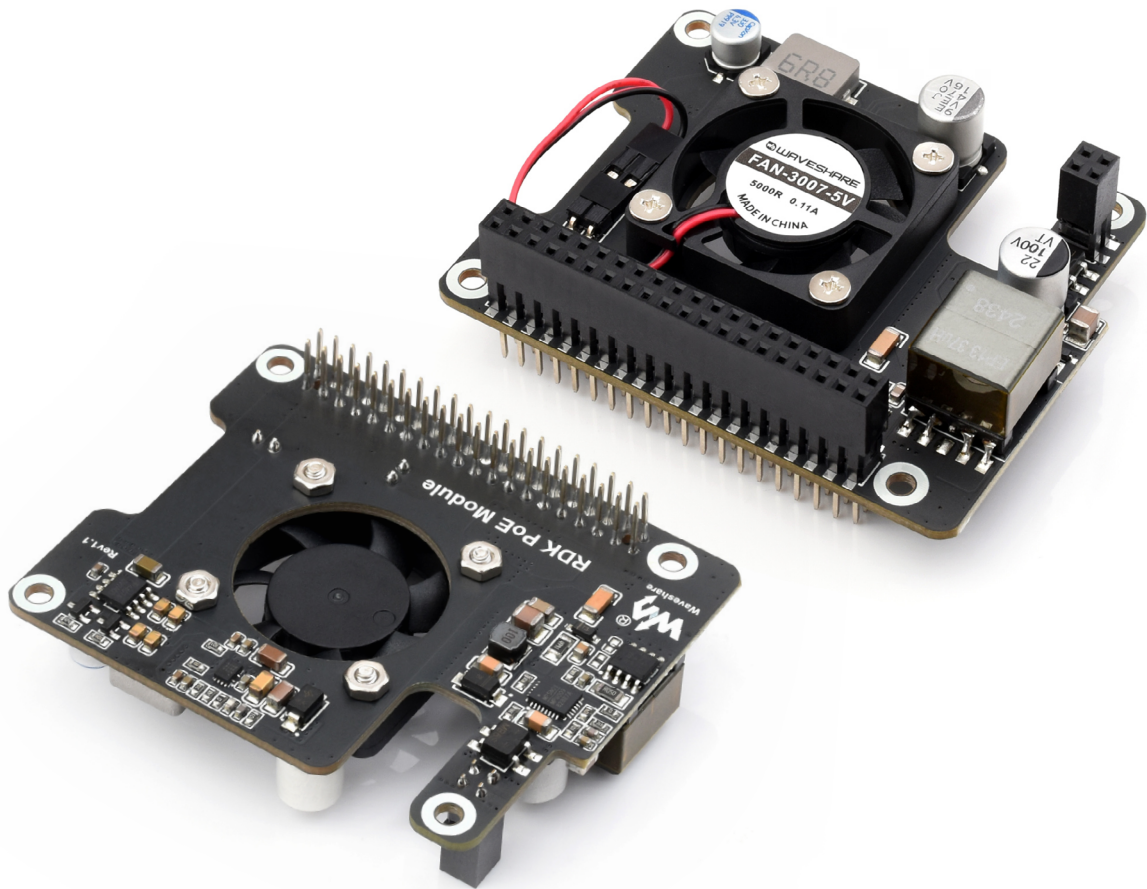


V1.1

2025-05

D-ROBOTICS HOLDING LIMITED

# D-Robotics RDK X5 PoE Module



## BRIEF

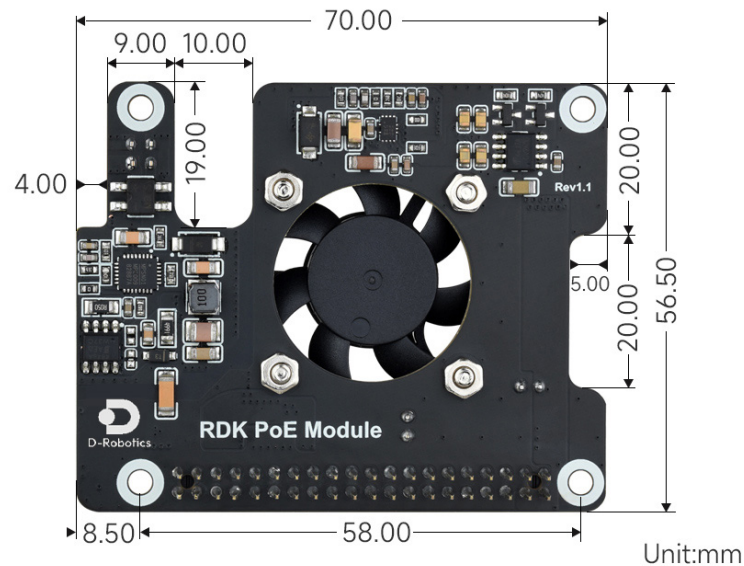
D-Robotics RDK™ X5 PoE Module is designed specifically for the D-Robotics RDK X5 mainboard. It connects via the 40-pin GPIO header and supports IEEE 802.3af/at standards, enabling both power and data transmission over a single Ethernet cable when used with a compatible PoE router or switch. The board features a fully isolated switch-mode power supply (SMPS), along with an onboard high-speed active cooling fan and metal heatsink to ensure efficient heat dissipation and stable system performance.

## SPECIFICATIONS

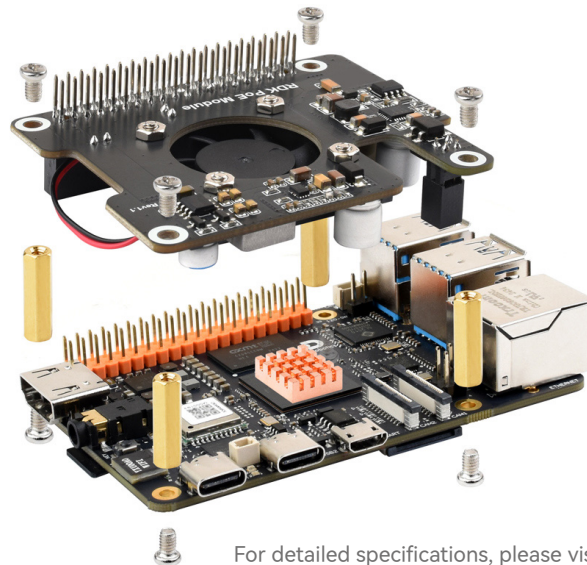
<b>PoE Power Input</b>	38V ~ 57V DC input
<b>Power Output</b>	GPIO header: 5V 4.5A (MAX)
	2-pin header: 12V 2A (MAX)
<b>Product Dimensions</b>	56.5 × 70.0 (mm)
<b>Network Standard</b>	Supports IEEE 802.3af/at PoE

## SPECIFICATIONS

### Dimension



### Installation



For detailed specifications, please visit : <https://developer.d-robotics.cc/en>

## SAFETY INSTRUCTIONS

### To Avoid Malfunction Or Damage:

- This product is intended for use exclusively with the RDK X5.
- Operate this product only in a well-ventilated environment. Do not place any objects on top of the enclosure.
- Do not touch the fan during power on operation to prevent injury.



<https://developer.d-robotics.cc>