



## EPU3H01AR Hub User Manual

English Name: EPU3H01AR Hub

Model: EPU3H01AR

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## **Important Safety Information**

ⓘ Please read the important safety information.

The information can help you safely use this product. Please read and understand all of the information for this product firstly.

The end user's security is very important. Our products are safe and effective. However, the product is an electronic device with power cord and other parts that may cause danger if not follow the user manual to use it, and lead to personal injury and property loss. In order to reduce the risk, please follow the user manual to use the product.

Please follow the information as below and it can help to reduce the risk of personal injury and property loss.

- Avoid wetting the product. Please keep the product away from liquid to avoid wetting the product and the danger of electric shock.
- Avoid damaging the cable. Excessive force on the cable may damage or break it. Connect all cables appropriate to avoid being damaged and hampering operation of the product.
- Avoid external damage to the product. Do not drop, bump, scratch, hit, strong vibration the product, and do not put heavy loads on the product.

# Chapter 1: Hardware Description

## Main Content:

- Product Profile
- Hardware Introduction

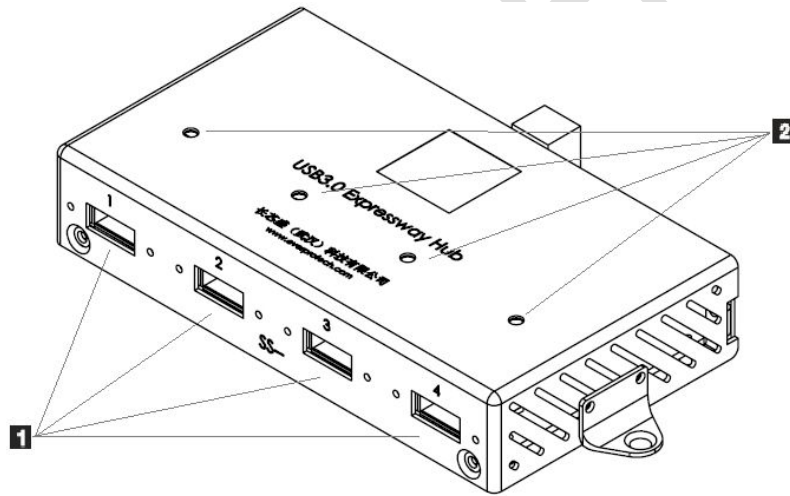
## 1. Product Profile

EPU3H01AR is one new generation of USB 3.0 hub integrating the SuperTT technology.

Compare with ordinary USB 3.0 hub, the product could convert the transmission speed of USB2.0/1.1/1.0 device connecting to the downstream port to USB 3.0 SuperSpeed, and it could share the upstream bandwidth of SuperSpeed 5.0Gbps. Based on the technology of SuperTT, EPU3H01AR could provide independent 480Mbps bandwidth for each downstream USB 2.0. If it is co-used with USB 3.0 AOC (Active Optical Cable), it could extend the transmission distance of USB 2.0/1.1/1.0 device to 100m.

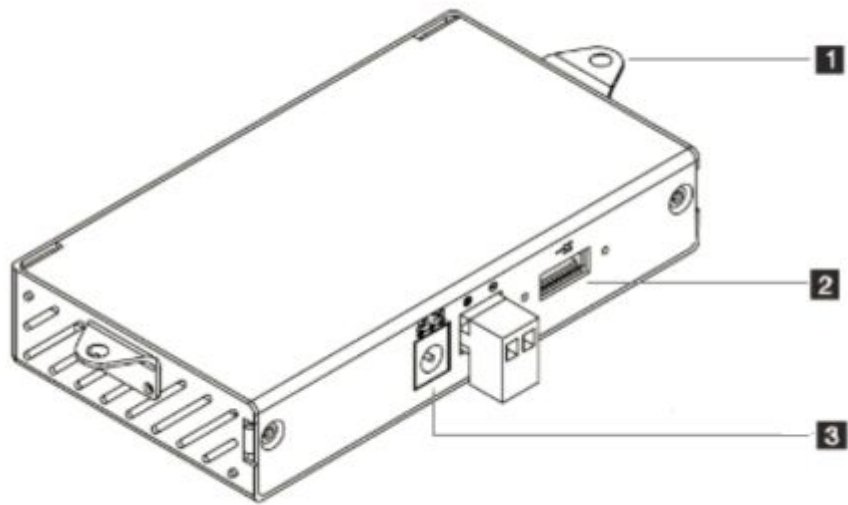
## 2. Hardware Introduction

### 2.1 Port Introduction



- 1** USB3.0 downstream port
- 2** USB3.0 downstream port LED indicator

Work status	LED indicator status
Connect upstream port to USB3.0 host Connect downstream port to USB3.0 device	LED is green
Connect upstream port to USB3.0 host Connect downstream port to USB2.0 device	LED is red
Connect upstream port to USB2.0 host	LED is green



- 1** Fixed film (In the package, users can choose to use as needed)
- 2** USB3.0 upstream port
- 3** DC 5V/12V power input (Users can choose the power input as needed)

## 2.2 Hardware install



Step one: Connect the power adapter to EPU3H01AR.

Step two: Connect the USB3.0 or USB2.0 device to the EPU3H01AR downstream port. Please connect the power adapter to the device if it is needed.

Step three: Connect USB3.0 AOC to the EPU3H01AR upstream port.

Step four: Connect USB3.0 AOC to the Renesas USB3.0 card on the Host.

ⓘ Notice: The product requires no software to drive it.

## Chapter 2: Troubleshooting and Confirming Setup

### Main content:

- Troubleshooting and Problem Resolution

#### 1. LED power light is not on

Please check if power adapter is working normal and the contact of the joint is getting loose.

**2. When one downstream port could not identify the connected device**

Please check if USB joint is getting loose.

**3. All the downstream ports could not identify the device,**

- (1) Please check if USB joint in the upstream port is getting loose.
- (2) Check and ensure to connect to the USB 3.0 port of the Host.
- (3) Check if the wire is copper wire connecting the Host, and ensure the copper wire is for USB 3.0.
- (4) Check if USB 3.0 Hub in device manager could normally enumerated.

ⓘ Notice: Use USB 3.0 copper wire to replace USB 3.0 AOC is feasible from the perspective of only realizing the function. However, USB 3.0 copper wire could not enjoy the long distance transmission advantage embraced by USB 3.0 AOC.

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**NOTE:**

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.