



USB/Keyboard Mouse Extender Series

# User Manual

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Model: UE02H

USB 2.0 CAT5e Extender with 4 Port Hub 140M



## Introduction

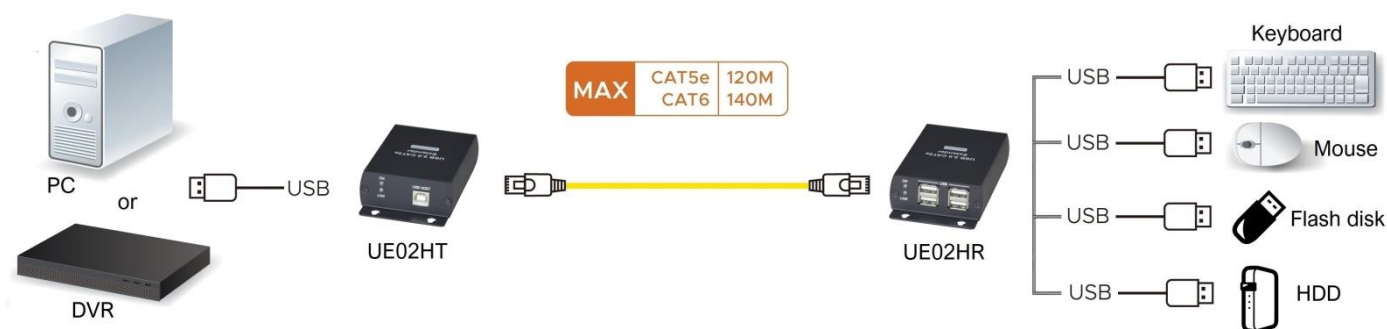
UE02H is a USB extender designed to carry 4 ports of USB signal to the remote side using a cost-effective Ethernet cable. It is a perfect solution for digital signage, home network integration, and industrial control.

## Features

- Extends an USB signal using an Ethernet cable.
- Signal extension up to 140M.
- Built-in 4 USB ports at RX unit.

## Installation View

(1) Connects UE02HT and UE02HR directly

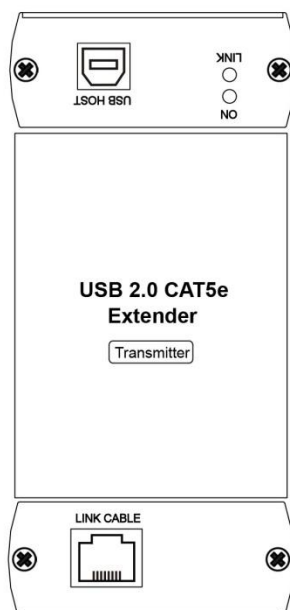


(2) Works with optional model SR01 for extra 140M over CAT6 cable, 120M over CAT5e cable



## Panel View

UE02HT



UE02HR



### UE02HT Panel

| No. | Interface                            | Description   |
|-----|--------------------------------------|---|
| 1   | USB Type B Port                      | Connects to PC with USB type B to Type A cable. (Cable is included in package.)               |
| 2   | Power LED (Green)<br>Link LED (Blue) | Green light indicates "ON" status.<br>Blue light indicates that UE02HT and UE02HR are linked. |
| 3   | Ethernet Port                        | RJ45 connector (please refer to Note 1)   |

### UE02HR Panel

| No. | Interface        | Description  |
|-----|------------------|--|
| 1   | USB Type A Port  | Connects to USB devices. (please refer to Note 2)  |
| 2   | Power/ Link LED  | Green light indicates the device is on.<br>Blue light indicates that UE02HT and UE02HR are linked. |
| 3   | Ethernet Port    | RJ45 connector (please refer to Note 1)  |
| 4.  | Power Input Port | Connects to DC5V 2000mA power adapter (ø2.5mm)   |

## Notes

### 1. a. Cable:

(1) It is recommended to use high quality CAT5e UTP/STP/FTP or CAT6 UTP cable.

(2) The transmission distance may be decreased by the cable quality, performance of input or output devices and installing environment .

### b. Cable Define: (TIA/EIA-568-B)

|                 |          |
|-----------------|----------|
| 1. Orange-white | Data 1 + |
| 2. Orange       | Data 1 - |
| 3. Green-white  | Data 2 + |
| 4. Blue         | Data 3 + |
| 5. Blue-white   | Data 3 - |
| 6. Green        | Data 2 - |
| 7. Brown-white  | Data 4 + |
| 8. Brown        | Data 4 - |

2. The maximum power providing from each USB port is 500mA, and the total maximum power from 4ports approximately 1700mA.

## Package Included

UE02HT x 1pcs

UE02HR x 1pcs

USB type B to type A cable (150cm)

DC5V 2000mA power adapter x 1pcs

## Specification

| ITEM NO.                   | UE02T                           | UE02R           |
|----------------------------|---------------------------------|-----------------|
| Support                    |                                 |                 |
| Compliance                 | USB 2.0, USB 1.1, USB 1.0       |                 |
| Data Bandwidth             | 120 Mbps                        |                 |
| Max. Transmission Distance | 140M over CAT6, 120M over CAT5e |                 |
| Data rate                  | 1Gbps                           |                 |
| Ports & Interfaces         |                                 |                 |
| Data Input                 | 1 x USB Type B                  | 1 x RJ45        |
| Data Output                | 1 x RJ45                        | 4 x USB Type A  |
| Power                      |                                 |                 |
| Power Supply               | Power from PC                   | DC 5V 2A        |
| Power Consumption          | 200mA (Max)                     | 300mA (Max)     |
| Ambient Temperature        |                                 |                 |
| Operation                  | 0 to 55°C                       |                 |
| Storage                    | -20 to 85°C                     |                 |
| Humidity                   | Up to 95%                       |                 |
| Physical Characteristics   |                                 |                 |
| Dimensions                 | 120 x 67 x 27mm                 | 130 x 67 x 27mm |
| Weight                     | 190g                            | 210g            |