

## OMX-01UBUB0001

USB 2.0 Extender Over CAT5e/6/6A

up to 150m

### /// OPERATION MANUAL



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## Description:

The Ocean Matrix OMX-01UBUB0001 is a USB 2.0 extender that transmits signals up to 150m over CAT5e/6/6A. The OMX-01UBUB0001 features 4 USB 2.0 outputs that support a wide range of devices including printers, cameras, keyboards, mice, and more. The transmitter is powered by the source device, allowing for more streamlined setups.

## Features:

- Supports USB 2.0 high-speed, compatible with USB 1.1 full speed, USB1.0 low-speed
- Supports 4 USB 2.0 inputs at the receiver “Hub” and 1 USB 2.0 output at the transmitter “Host”
- Compatible with CAT5e/6/7 network cables- Cat5e transmission distance can reach 100M, and Cat6/7 transmission distance can reach 150M
- Supports USB hub connection
- The Transmitter is powered by the source device- no additional power supply is required.
  - **\*Note- some high-powered USB devices may require their own power supply.\***
- Lightning protection, surge protection, and ESD protection

## Specifications:

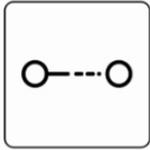
- **Compatibility:** USB 2.0, USB 1.1, USB 1.0
- Supports CAT5e / CAT6 / CAT6A / CAT7 / IEEE-568B Standard
- **Transmission Distance:** Up to 150m via CAT6/6A/7; Up to 100m via CAT5e
- **Power Supply:** TX: Powered by Source Device | RX: DC5V/1A
- **Power Consumption:** TX:  $\leq 0.69W$  | RX:  $\leq 1.23W$
- **Operating Temperature:** -4 – 140°F (-20 – 60°C)
- **Storage Temperature:** -22 – 158°F (-30 – 70°C)
- **Dimensions (LxWxH):** Both TX & RX: 3.035 x 2.37 x 0.81
- **Weight:** TX: 0.275 lbs (125g) RX: 0.288 lbs (130g)

## Item Includes:

- OMX-01UBUB0001 USB 2.0 Extender Set (1 x Transmitter / 1 x Receiver)
- 1 x DC5V/1A
- 1 x USB Cable



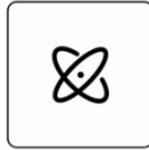
# Connection Diagram



150m



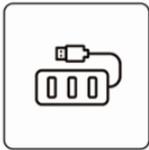
480Mbps



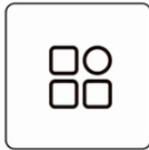
Wide Range Application(supports printers, cameras, keyboards and etc.)



Powered by Source



USB Hub



Windows, Mac OS X and Linux



Plug and Play



Lightning Protection  
Surge Protection  
ESD Protection

**TX**

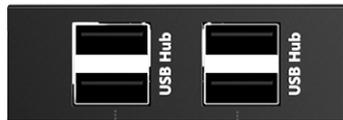


USB-A (to PC)

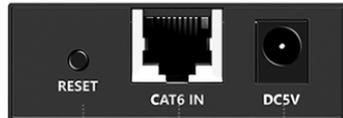


Rj45 Signal Output

**RX**



USB-A



Reset Button

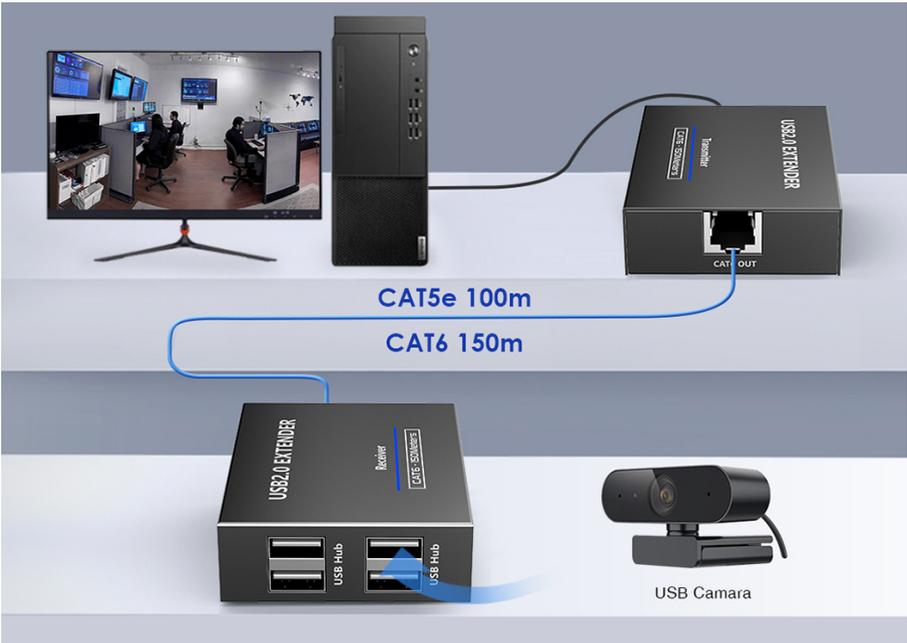
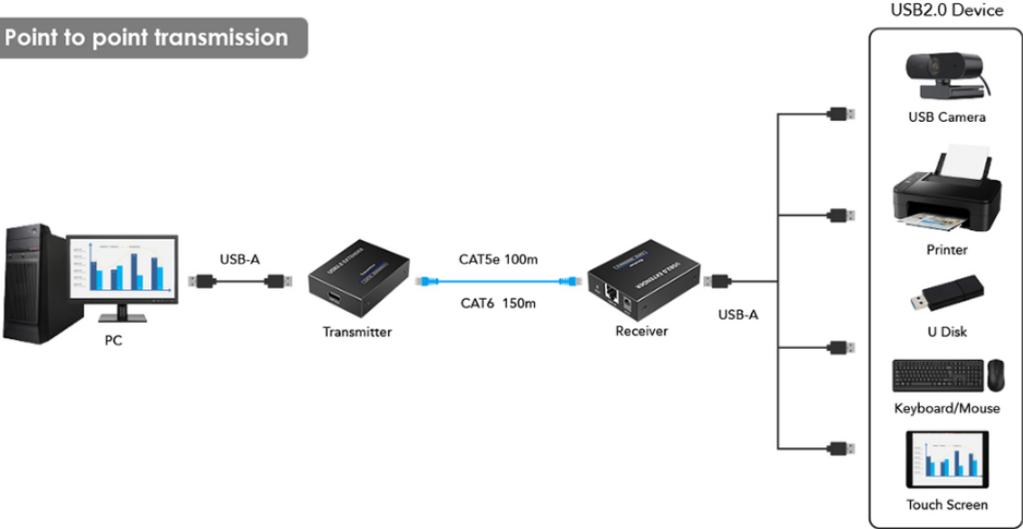
Rj45 Signal Input

DC5V Input



# Connection Diagram

Point to point transmission



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# PRODUCT SERVICE

## Damage requiring service:

- The unit should be serviced by qualified service personnel if:
  - (a) The DC power supply cord or AC adaptor has been damaged
  - (b) Objects or liquids have gotten into the unit
  - (c) The unit has been exposed to rain
  - (d) The unit does not operate normally or exhibits a marked change in performance; The unit has been dropped or the cabinet is damaged.
- (2) Servicing Personnel: Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- (3) Replacement parts: When parts need replacing ensure the servicer uses parts specified by the manufacturer. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- (4) Safety check: After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

# SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install the unit:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit

# WARRANTY

1 Year

