

# BE-961b

## HDMI with USB and 3.5mm Audio KVM Extender *over* CAT6 UTP or SFP Fiber

The BE-961b is a perfect solution that extends 4K30 HDMI with USB and 3.5mm audio, plus 2-way RS-232 across single CAT6 cable up to 170 meters, or SFP Fiber Module up to 10KM in point-to-point connection.



The extender contains a Transmitter unit and a Receiver unit. Based on Gigabit Ethernet transceiver physical layer with adopt visually lossless video compression algorithm technology, the device achieves razor sharp video quality and robust performance in noisy environment.

### Features

- Support HDMI 4K30, 1920x1200@60Hz resolution with Low Latency Time (<0.5us).
- Gigabit Ethernet PHY physical layer transmission, support both RJ-45/SFP connection.
- Only one CAT6 or Fiber Cable Required for HDMI + 3.5mm Audio + USB + RS232.
- Support 4 x USB 2.0 ports for keyboard, mouse, touch, storage.
- Support bi-directional 3.5mm audio, speaker and microphone at Receiver site.
- Support Auto EDID from Rx screen.
- Pure hardware design, plug-and-play, no additional software installation is required.



BE-961b Tx Front and Rear panel



BE-961b Rx Front and Rear panel

## Specification

| Model No.           |                       | BE-961bT Transmitter                                   | BE-961bR Receiver           |
|---------------------|-----------------------|--------------------------------------------------------|-----------------------------|
| Connectors          | HDMI 1.4 In           | 1                                                      | N/A                         |
|                     | HDMI 1.4 Out          | N/A                                                    | 1                           |
|                     | IR (option)           | Yes                                                    |                             |
|                     | USB                   | USB-B to PC upstream                                   | 4 x USB-A to devices        |
|                     | 3.5mm Audio           | 1 x Line-In and 1 x Line-Out                           | 1 x Line-Out and 1 x Mic-In |
|                     | Power                 | DC 9 ~ 24V (shipped with DC 12V 2A)                    |                             |
|                     | System port           | 1 x RJ45 and 1 x SFP                                   |                             |
|                     | RS-232                | 3-pin terminal connector, maximum baud rate 115200 bps |                             |
| Resolution          |                       | Maximum 4K30                                           |                             |
| Inter-connect Cable |                       | CAT 6/7 or SM/MM Fiber cable                           |                             |
| Power consumption   |                       | TX≤300mA / RX≤200mA                                    |                             |
| Environment         | OP Temperature        | 0 ~ 55°C                                               |                             |
|                     | ST Temperature        | -20 ~ 85°C                                             |                             |
|                     | Humidity              | 5 ~ 90% Non-condensing                                 |                             |
| Physical Properties | Material              | Metal with standard 100 x 100 VESA mount support       |                             |
|                     | Weight                | 750 g                                                  | 750 g                       |
|                     | Dimension (L x W x H) | 160 x 85 x 29 mm                                       | 160 x 85 x 29 mm            |