BE-961b/DP-961b Tx

IP based DP/HDMI with USB and Audio KVM Extender *over* CAT6 UTP and SFP Fiber



The BE-961b/DP-961b is an IP Unicast based solution that extends 4K30 HDMI with USB and 3.5mm audio, plus 2-way RS-232 across single CAT6 cable up to 170M in 1080p,1920x1200/100M in 4K30, or SFP Fiber Module up to 10KM with SM/300M with MM SFP.
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 /DP 4K30, 1920x1200@60Hz resolution with Low Latency Time.
- Support IP based Gigabit Ethernet Switch for physical layer transmission, built in both RJ-45 and SFP connection.
- Only one CAT6 or Fiber Cable Required for HDMI/DP + 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.
- Transmitter can be optional with HDMI or DP interface.
- The distance of transmission supports 1920x1200,1080p:170m,4k@30:100m by Cat6/Cat6a cable.



DP-961b TX Front and Rear Panel



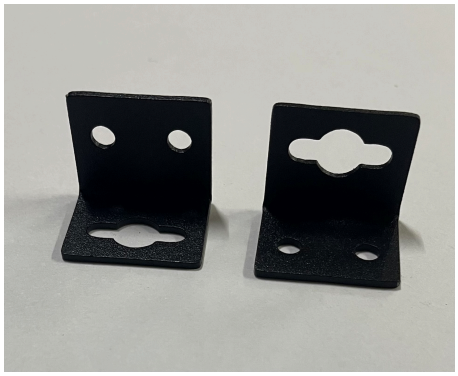
BE-961b Tx Front and Rear panel



BE-961b Rx Front and Rear panel

Specification

Model No.		BE-961bT/DP-961b Transmitter	BE-961bR Receiver
Connectors	HDMI /DP 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	
Maximum distance with Ethernet Switch		Depending on the Ethernet Switch connection	
Maximum distance with Tx/Rx direct connection		CAT6/7: 1080p 170M, 4K30 100M SM SFP: 10Km, or MM SFP: 300M	
Power consumption		TX≤300mA / RX≤200mA	
Environment	OP Temperature	0 ~ 55°C	
	ST Temperature	-20 ~ 85°C	
	Humidity	5 ~ 90% Non-condensing	
Physical Properties	Mounting	Metal 'L' clamps provided	
	Weight	750 g	750 g
	Dimension (L x W x H)	160 x 85 x 29 mm	160 x 85 x 29 mm



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