DP-961b

IP based DisplayPort *with* Audio USB KVM Extender *over* UTP and SFP Fiber
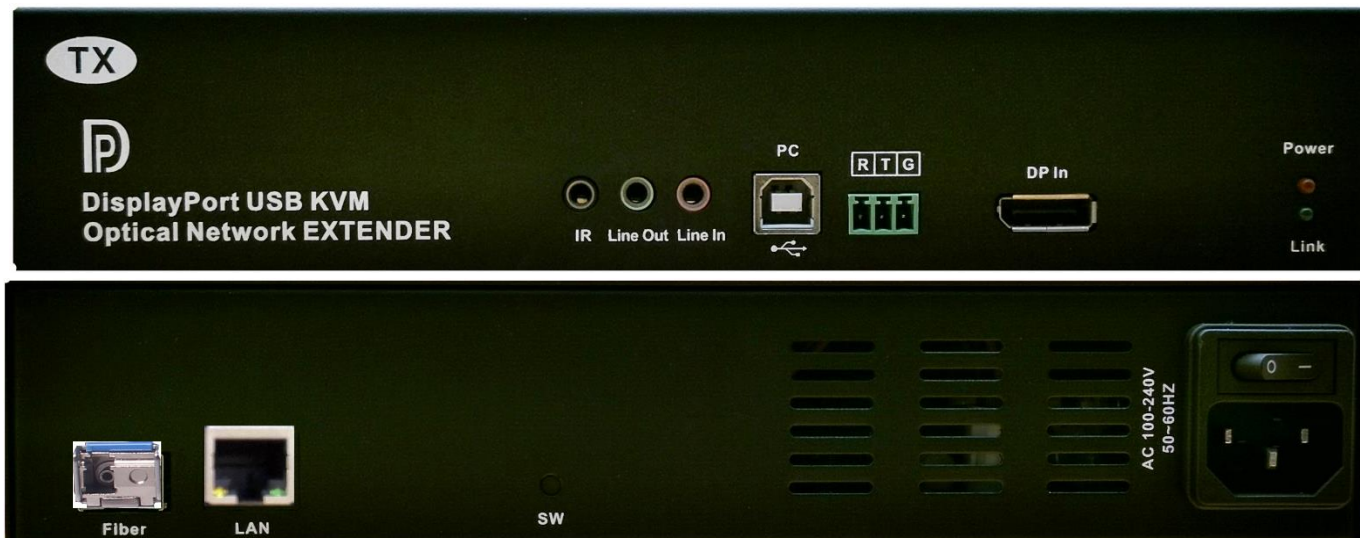
The DP-961b is an IP based solution that extends 4K30 DisplayPort with USB and 3.5mm Audio, plus 2-way RS-232 across single CAT6 cable up to 150M in 1080/100M in 4K30, or SFP Fiber Module up to 10KM with SM/300M with MM SFP.

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.
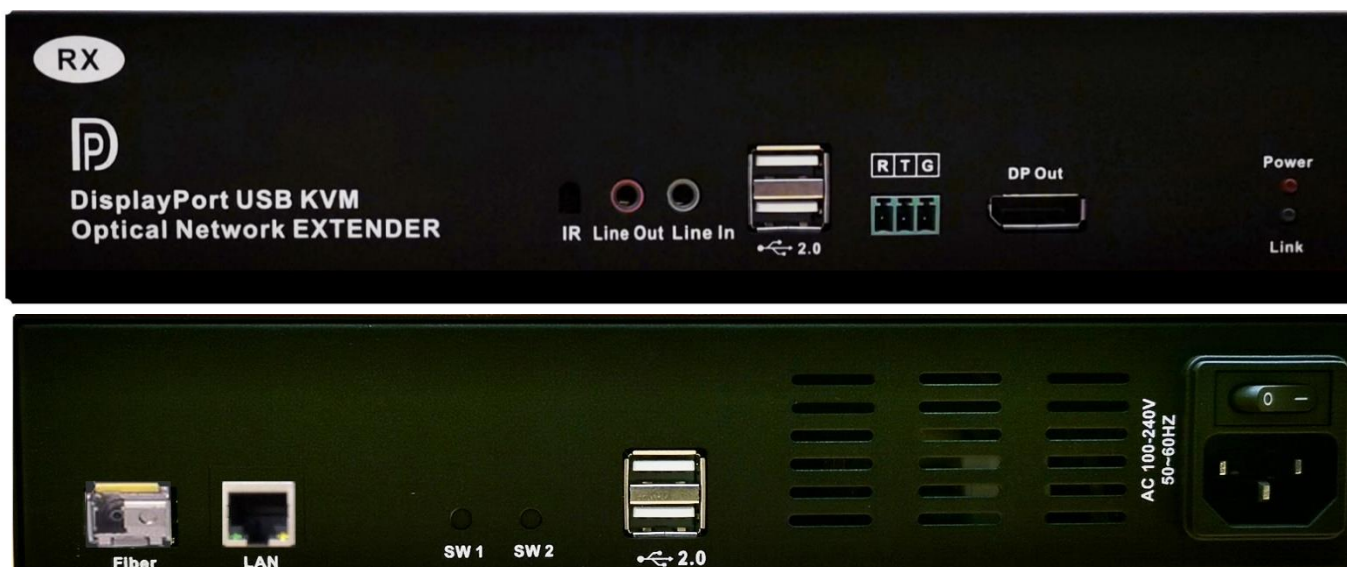
Features

- Support DP 1.2 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 DP 1.2 + 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.

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DP-961bT Transmitter

DP-961bR Receiver

Specification

Model No.		DP-961bT Transmitter	DP-961bR Receiver
Connectors	DP 1.2 In	1	N/A
	DP 1.2 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	AC 100 ~ 240V	
	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 150M, 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	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

System Diagram

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Legend:
- DP OUT / IN
- AUDIO OUT / IN
- USB OUT / IN
- RS232 OUT / IN
- SM / MM Fiber
- CAT5 / 6

CAT5 / 6

DP OUT

AUDIO IN
USB IN
DP IN

Monitor

TX
DisplayPort USB KVM
Optical Network EXTENDER
DP-961bT

RX
DisplayPort USB KVM
Optical Network EXTENDER
DP-961bR

SM / MM Fiber

RS232 OUT

RS232 IN

AUDIO OUT

Printer

Speakers

Keybord&Mouse

PC