

# 120m Extender with Local HDMI Output Bi-Directional IR and RS232



Product Code: BPHDPC1BTL

Barcode: 6002844066857



The BPHDPC1BTL extender kit consists of a transmitter (Tx) and a receiver (Rx).

It allows the distribution of 1080P@60Hz HDMI signal to distance up to 120 meters (394 feet) over a single CAT6 Solid Shielded Ethernet cable.

It supports bi-directional IR and RS232 pass-through extension, allowing for control of a local video source device or the remote display.

It supports bi-directional 12V Power over Cable (PoC), simplifying the wiring and allowing for the use of only a single AC power adapter.

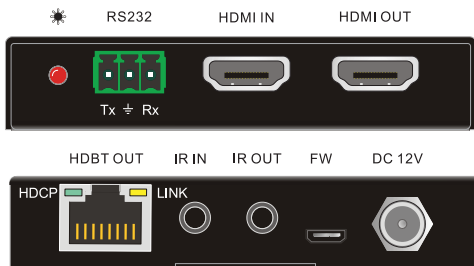
Moreover, DIP switches are designed on the bottom panel for RS232 mode selection and EDID selection.

- Supports HDMI 1.3 and HDCP 2.2.
- HDMI input video supports 4Kx2K@60Hz 4:4:4.
- Supports local mirrored HDMI output.
- Maximum transmission distance is up to 120 meters (394 feet) for 1080P.
- Supports bi-directional IR and RS232 pass-through.
- Supports bi-directional 12V PoC.
- DIP switches are designed for RS232 mode selection and EDID setting.

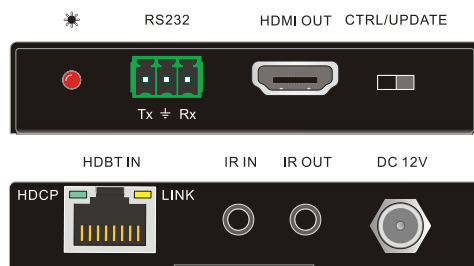
## Specifications:

Transmitter (Tx)	
Input	(1) HDMI
Input Connector	(1) Female type A HDMI
Output	(1) HDMI, (1) HDBT
Output Connector	(1) Female type A HDMI, (1) RJ45
Control	(1) IR IN, (1) IR OUT, (1) RS232
Control Connector	(2) 3.5mm mini jacks; (1) 3-pin terminal block
HDMI Input Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit
HDMI Output Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit
HDBT Output Resolution	Up to 1920x1080P@60Hz
Receiver (Rx)	
Input	(1) HDBT
Input Connector	(1) RJ45
Output	(1) HDMI
Output Connector	(1) Female type A HDMI
Control	(1) IR IN, (1) IR OUT, (1) RS232
Control Connector	(2) 3.5mm mini jacks; (1) 3-pin terminal block
HDBT Input Resolution	Up to 1920x1080P@60Hz
HDMI Output Resolution	Up to 1920x1080P@60Hz
General	
Transmission Mode	HDBaseT
Transmission Distance	1080P ≤ 120 meters (394 feet)
Video Standard	HDMI 1.3 with HDCP 2.2
Bandwidth	10.2Gbps
<b>Power Consumption</b>	<b>9.5W (Max)</b>
Operating Temperature	-10°C ~ +55°C
Storage Temperature	-25°C ~ +70°C
Relative Humidity	10%-90%
Power Supply	Input Power: 12V DC 2A or Power over Cable (PoC); AC Adaptor Input Power: 100~240VAC, 50/60Hz
Dimension (W*H*D)	84mm x 16mm x 106mm
<b>Net Weight (g)</b>	<b>Tx:135g; Rx:140g</b>

## Transmitter Panel Description



## Receiver Panel Description



# System layout diagram



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