

## HDBaseT Extender - TPHD-70-Tx & Rx



### DESCRIPTION

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HDBaseT Extender is a mini-size extender set consists of a transmitter and a receiver. DMI signals are input into the transmitter and HDBaseT technology is used to transmit high-resolution 1080p/ 4k signal to the receiver up to 70/40 m via a Cat5e/Cat6A cable. The receiver then outputs the HDMI signal. Bi-directional IR and PoC power are also transmitted across the Cat5e/Cat6A cable.

The set also supports ARC, which enables audio upstreaming from display to speakers.

### FEATURES

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- HDMI1.4 compliant, support full HD, delivers high-resolution signal (max at 4Kx2K)
- Maximum transmission distance is 70m for 1080p and 40m for 4Kx2K over single CAT5e/CAT6A cable
- High Bandwidth: 10.2Gps.
- Compliant with HDCP1.4
- Uses HDBaseT technology for extended capability and reliability
- Support bi-directional PoH
- Support ARC
- Bi-directional IR control

### TECHNICAL SPECIFICATIONS

#### HDBaseT Extender

Input	HDBaseT TRANSMITTER	HDBaseT RECEIVER
Signal	: 1 HDMI, 1 IR	: 1 IR, 1TP
Connector	: 1 19-pin Type-A female HDMI, 1 3.5mm mini jack	: 1 3.5mm mini jack 1 RJ-45
<b>Output</b>		
Out put	: 1 ARC, 1 IR, 1 TP	: 1 HDMI, 1 IR
Connector	: 1 SPDIF, 1 3.5mm mini jack, 1 RJ-45	: 1 19-pin Type-A female HDMI, 1 3.5mm mini jack
<b>General</b>		
Resolution Range	: 800 x 600 @60Hz ~ 4K x 2K @30Hz	
Transmission Mode	: HDBaseT	
Transmission Distance	: 1080p 70m (Tx and Rx connect power separately) 1080p 65m (PoC Solution) 4K ≤ 40m	
Bandwidth	: 10.2Gbps	
HDMI Standard	: HDMI 1.4 and HDCP1.4	
Temperature	: 0 ~ 50°C	
Reference Humidity	: 10% ~ 90%	
Power Supply	: DC 12V, 1A	
Power Consumption	: 3.3W	: 6.4W
Dimension (W*H*D)	: 115 x 16 x 84mm	: 115 x 16 x 84mm
Weight	: 140g	: 140g
All nominal levels are at ±10%		

### SYSTEM DESIGN

