

# HBT-C6POE-SET

HDBaseT<sup>®</sup> HDMI CAT5/6/7 Extender  
with POE/LAN/RS-232/ Bi-Directional IR



## HDBaseT<sup>®</sup> Extender

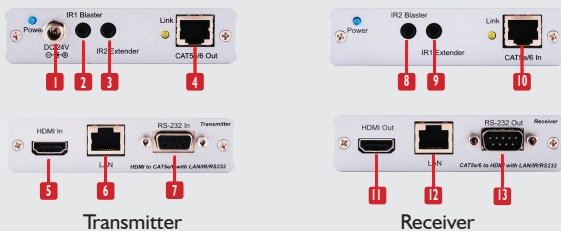
### KEY FEATURES

- Input: HDMI with 3D & 4Kx2K, 1080p, HDCP and DVI compliant;
- Video bandwidth: From 300MHz / 9 Gbps;
- PC resolutions: Up to VGA to WUXGA;
- HD resolutions: Up to 4Kx2K (3840x2160@30Hz and 4096x2160@24Hz) 1080p (1920x1080@60Hz);
- Audio supported: LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio;
- Audio transmission: (32-192kHz sample rate);
- Supports: CEC bypass;
- Distance: Up to 100 meters through CAT6e/6a/7 cables;
- Ethernet transmission: Rate up to 100Mbps;
- Uncompressed video: 1080p, 60 Hz, 36-bit;
- Service: USB for Manufacturer USE ONLY;
- 3D support: Follow by Display / TV's EDID;
- 5Play™ Convergence: HDMI, LAN, PoE & Bi Directional Control (IR & RS-232).

### MECHANICAL SPECIFICATIONS

<b>Housing</b>	Metal Case
<b>Dimensions / Net Weight</b>	4" x 4.4" x 1" / 5.733lbs
<b>Weight</b>	252g / 0.5lbs
<b>Power Supply</b>	24V / 1.25A DC (only Transmitter)
<b>Power Consumption</b>	13W
<b>Operating Temperature</b>	0~40°C [32~104°F]
<b>Storage Temperature Relative</b>	20~60°C [-4~140°F]
<b>Humidity</b>	20-90% RH [No Condensation]

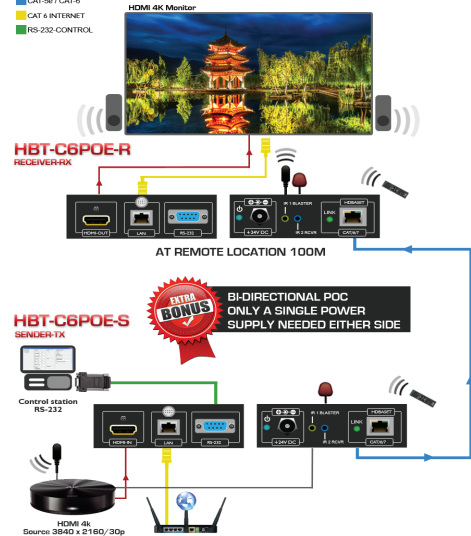
### PANEL DESCRIPTION



- |                        |                         |                      |
|------------------------|-------------------------|----------------------|
| <b>1</b> DC 24V Power  | <b>2</b> IR 1 Blaster   | <b>11</b> HDMI OUT   |
| <b>3</b> IR 2 Extender | <b>4</b> CAT 5e/6/7 Out | <b>12</b> LAN Out    |
| <b>5</b> HDMI IN       | <b>6</b> LAN            | <b>13</b> RS 232 Out |
| <b>7</b> RS 232 IN     | <b>8</b> IR 2 Blaster   |                      |
| <b>9</b> IR 1 Extender | <b>10</b> CAT 5e/6/7 In |                      |

### HBT-C6POE-SET

- CABLE INDEX**
- Input / Output
  - CAT-5e / CAT-6
  - CAT 6 & INTERNET
  - RS-232-CONTROL



Application Diagram 1  
**POINT TO POINT**  
100m@60 ~ 100m (328 feet) CAT6  
4K2K@30 ~ 100m (328 feet) CAT7A

### ITEM

### SPECIFICATION

DESCRIPTION	HBT-C6POE-S	HBT-C6POE-R
<b>Description</b>	HDBaseT HDMI Transmitter	HDBaseT HDMI Receiver
<b>Output Displays</b>	HDBaseT HDMI Transmitter	HDBaseT HDMI Receiver
<b>Input</b>	1x 3.5mm IR Extender 1x RS-232 1x LAN port 1x HDMI	1x CAT5e/6/7 1x 3.5mm IR Extender
<b>Output</b>	1x CAT5e/6/7 1x 3.5mm IR Blaster	1x 3.5mm IR Blaster 1x RS-232 1x LAN port 1x HDMI
<b>HDCP</b>	Yes	
<b>Ethernet Speed</b>	100Mbps	
<b>Video Bandwidth</b>	Single-link 300MHz [9Gbps]	
<b>Supported Resolutions</b>	480i~1080p@50/60, 1080p@24, 3D 4K@30 Up to Ultra HD (3840x2160@24/25/30Hz)	
<b>CEC Support</b>	Allow CEC bypass	
<b>CAT5/6/7 Cable</b>	4K2K: (3840X2160@30Hz) ~ 70meter (229feet) (CAT6e) FULL HD: (1080p) ~ 100meter (330feet) (CAT6e/6A)	
<b>Audio Support</b>	LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio	
<b>IR Frequency</b>	30~50kHz	
<b>ESD Protection</b>	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)	



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