Overview:

The HDMI Wall-Plate Extender Kit, HDBT, UHD-4K, Decora allows HDMI equipment to be connected up to 230 ft (70m) @ 1080P via one (1) Cat5e/6 unshielded twisted pair cables in a point-to-point configuration. The kit comes with one (1) Transmitter and one (1) Receiver.

Applications:

Commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.

Features:

- Supports 1080p deep color, 4K @ 30fps & 3D resolutions
- Up to 230 ft (70m) via Cat5e cable
- Supports Bidirectional IR
- Compatible with 500451
- May be powered from the front or rear

<table>
<thead>
<tr>
<th>Environment</th>
<th>HDMI 1.4a (3D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devices</td>
<td>DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI.</td>
</tr>
<tr>
<td>Transmission</td>
<td>Transparent to the user</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>340MHz</td>
</tr>
<tr>
<td>Signals</td>
<td>HDMI 1.4a protocol</td>
</tr>
<tr>
<td>Connectors</td>
<td>HDMI receptacle. One (1) RJ45S for Cat5e/6 unshielded or shielded twisted pair. HDMI cables not included.</td>
</tr>
</tbody>
</table>

Max. Distance*  
*Based on a maximum length of 6.6 ft (2m) of HDMI cable per end  
Cat 5e/6: 230 ft (70 m) up to 1080P Deep Color  
131 ft (40 m) for 4K; 3840 x 2160/24, 25 &30 Hz.  
When installed in an electrically noisy environment, STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.

RJ45 Pin Configuration
Reverse Polarity Sensitive  
Use EIA/TIA 568 A or B, straight-through wiring.

| RJ45 Pin Configuration  
RJ45  
Pin 1 (R)  Pin 2 (T)  
Pin 3 (R)  Pin 6 (T)  
Pin 4 (R)  Pin 5 (T)  
Pin 7 (R)  Pin 8 (T) |

Cable  
One (1) Category 5e or better twisted pair cables required.

Power Supply  
One (1) 110-240V/5VDC power supply with interchangeable blades. Unit may be powered from the front or rear.

Power Consumption  
6W per side

Temperature  
Operating: 0º to 40º C.  Storage:-20º to 85º C.  Humidity: up to 95% non-condensing.

Enclosure  
Metal Wall-Plate (one gang)

Dimensions  
1.69” x 4.33” x 1.50” (43 x 110 x 38 mm). Choose 1.97” (50 mm) deep back box to allow for Cat 5E/6 wiring connection.

Weight  
1.6 LB (0.7 Kg)

Mounting  
Screws included

Compliance  
Regulatory: FCC, CE, RoHS, UL, cUL, TUV

Warranty  
2 years

Order Information  
500451-WP-DEC HDMI Wall-Plate Extender Kit, HDBT, US (UPC: 627699034514)  
500451-WP-DEC-RX HDMI Wall-Plate Receiver, HDBT, US (UPC: 627699834510)  
500451-WP-DEC-TX HDMI Wall-Plate Transmitter, HDBT, US (UPC: 627699934517)
Typical Application:

Product Photos