Overview:

The HDMI 4-Play Extender Kit allows HDMI equipment to be connected up to 330 ft (100 m) @ 1080p Deep Color via one (1) Cat 5e/6 unshielded twisted pair cables in a point-to-point configuration. The product also features one LAN port for interconnecting Ethernet equipment and a RS-232 port for control via the same Cat5e/6 cable. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter and IR Sensor for remote control applications.

Applications:

Commercial and residential audio systems, boardroom systems, collaborative PC systems, and medical information systems.

Features:

- Supports 1080p deep color, 4K @ 30fps & 3D resolutions
- Up to 330 ft (100m) via Cat5e cable
- Full 4-play HDBaseT Extender
- Supports LAN, Bidirectional IR & RS-232 up to the display
- Supports all digital audio modes
- Compatible with all other MuxLab HDBaseT extenders

### Environment

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
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<tbody>
<tr>
<td>HDMI 1.3a</td>
<td>Supports the 3D feature of HDMI 1.4</td>
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</table>

### Devices

- DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI.

### Transmission

- Transparent to the user

### Bandwidth

- 340 MHz

### Signals

- HDMI 1.3a protocol

### Connectors

- One (1) HDMI receptacle.
- One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair.
- One (1) RJ45S for LAN (10/100BaseT) connection.
- One (1) three position terminal block for RS-232
- Two (2) 3.5mm jacks for IR emitter and sensor.

**Note:** HDMI cables not included.

### Maximum Distance

**Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end.**

- 480i/p: Cat 5e/6: 330 ft (100 m)
- 720p, 1080i: Cat 5e/6: 330 ft (100 m)
- 1080p: Cat 5e/6: 330 ft (100 m)
- 1080p Deep Color: Cat 5e/6: 330 ft (100 m)
- 4K @ 24, 25, 30 Hz: Cat 5e/6: 230 ft (70 m)

**Note:** When installed in an electrically noisy environment, an 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 568A or 586B straight-through wiring.**

- RJ45 Link
- 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) Cat 5e/6 or better twisted pair cables required

### Power Supply

- Two (2) 110-240V/5VDC power supplies with interchangeable blades

### Power Consumption

- Transmitter: 2.75 Watt
- Receiver: 5.15 Watt

### Temperature

- Operating: 0° to 40°C
- Storage: -20° to 85°C
- Humidity: Up to 95% non-condensing

### Enclosure

- Metal

### Dimensions

- 4.40” x 3.00” x 1.00” (11.2 x 7.6 x 2.5 cm)

### Weight

- 1.4 lb (0.6 kg)

### Compliance

- Regulatory: FCC, CE, RoHS
- Flammability: 94V0

### Warranty

- 2 years

### Order Information

- 500456 HDMI 4-Play Extender Kit (UPC: 627699004562)
- 500456-TX HDMI 4-Play Transmitter (UPC: 627699904565)

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Typical Application: