

Overview

The HDMI Econo Plus Extender Kit (500401-WP-UK) allows HDMI equipment to be connected up to 150 ft (45m) via two (2) Cat5e unshielded twisted pair cables in a point-to-point configuration at 1080p resolution. The product also supports 1080p Deep Color up to 90 ft (27m) via Cat6 cables. The kit comes with one (1) transmitter, one (1) receiver and one (1) power supply.



Applications

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

Key Features

- Up to 150 ft (45m) @ 1080p via Cat5e
- Up to 90 ft (27m) @ 1080p Deep Color via Cat6
- Connect via two (2) Cat5e/6 cables
- May be used with MuxLab mounting accessories
- Compatible with 86x86mm back boxes
- Compatible with 50x50mm faceplate opening

Specifications																	
Environment	HDMI 1.3a																
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI. <i>Compatible with MuxLab p/n 500401.</i>																
Transmission	Transparent to the user																
Bandwidth	225MHz																
Signals	HDMI 1.3a protocol																
Connectors	HDMI receptacle. Two (2) RJ45S for Cat5 unshielded or shielded twisted pair. <i>HDMI cables not included.</i>																
Max. Distance*	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">480i/p:</td> <td style="width: 33%;">Cat5e: 300 ft (90 m)</td> <td style="width: 33%;">Cat6: 300 ft (90 m)</td> </tr> <tr> <td>720p, 1080i:</td> <td>Cat5e: 200 ft (60 m)</td> <td>Cat6: 250 ft (76 m)</td> </tr> <tr> <td>1080p 8-bit:</td> <td>Cat5e: 150 ft (45 m)</td> <td>Cat6: 200 ft (60 m)</td> </tr> <tr> <td>1080p 12-bit Deep Color:</td> <td>not specified</td> <td>Cat6: 90 ft (27 m)</td> </tr> </table> <p><i>*Based on a maximum length of 6.6 ft (2m) of HDMI cable per end</i></p> <p>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. Patch panels are not recommended with 1080p Deep Color.</p>	480i/p:	Cat5e: 300 ft (90 m)	Cat6: 300 ft (90 m)	720p, 1080i:	Cat5e: 200 ft (60 m)	Cat6: 250 ft (76 m)	1080p 8-bit:	Cat5e: 150 ft (45 m)	Cat6: 200 ft (60 m)	1080p 12-bit Deep Color:	not specified	Cat6: 90 ft (27 m)				
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RJ45 Pin Configuration <i>Reverse Polarity Sensitive Use EIA/TIA 568 A or B, straight-through wiring.</i>	<p>RJ45 A (Video)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Pin 1 (R)</td> <td style="width: 50%;">Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> </tr> </table> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>RJ45 B (DDC)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Pin 1 (R)</td> <td style="width: 50%;">Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> </tr> </table>	Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)	Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)
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Cable	Two (2) Category 5e or better twisted pair cables required.																
Power Supply	One (1) 110-240V/12VDC power supply with interchangeable blades																
Power Consumption	3W																
Temperature	Operating: 0° to 55° C. Storage: -20° to 85° C. Humidity: up to 95% non-condensing.																
Enclosure	ABS fire retardant plastic																
Dimensions	86 mm x 86 mm x 36 mm. Choose 40 mm deep back box to allow for Cat 5E/6 wiring connection.																
Weight	1.6 LB/0.7 Kg																
Mounting	Velcro pads included.																
Compliance	Regulatory: FCC, CE, RoHS, Decora® faceplate. Flammability: 94V0																
Warranty	2 years																
Order Information	500401-WP-UK HDMI Econo Plus Extender Kit UPC: 6-27699-91401-4																

Typical Application

