

Overview

The HDMI Econo Plus Wall Plate Extender Kit (500401-WP) 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. The 500401-WP may also be used without external power.



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 without external power
- May be used with MuxLab mounting accessories
- Decora [TM] compatible

Applications

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

Specifications																	
Environment	HDMI 1.3a. (Supports the 3D feature of HDMI 1.4)																
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI. <i>Not compatible with MuxLab p/n 500400.</i>																
Transmission	Transparent to the user																
Bandwidth	225MHz																
Signals	HDMI 1.3a protocol																
Connectors	HDMI receptacle. Two (2) RJ45S for Cat5e/6 unshielded or shielded twisted pair. <i>HDMI cables not included.</i>																
Power Switch	Switch on rear panel to select between Power or No-Power. Factory setting: Power																
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> <tr> <td>"No Power" Mode:</td> <td>Cat5e: 100 ft (30m)</td> <td>Cat6: 100 ft (30m)</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)	"No Power" Mode:	Cat5e: 100 ft (30m)	Cat6: 100 ft (30m)	
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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> <p style="text-align: center;"> </p> <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, Color white, Finish glossy.																
Dimensions	4.1" (104 mm) x 1.8" (45.7 mm) x 1.44" (36.6 mm). Choose 1.6" (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, European Standard for 86 mm faceplate. Flammability: 94V0																
Warranty	2 years																
Order Information	500401-WP-US HDMI Econo Plus Extender Kit UPC: 6-27699-92401-3																

Typical Application

