

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. The 500401-WP may also be used without external power.


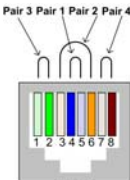
Applications

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 without external power
- 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>																																										
Power Switch	Switch on rear panel to select between Power or No-Power. Factory setting: Power																																										
Max. Distance*	<table><tr><td>480i/p:</td><td>Cat5e: 300 ft (90 m)</td><td>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>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>	<table><tr><td colspan="2">RJ45 A (Video)</td><td colspan="2"></td></tr><tr><td>Pin 1 (R)</td><td>Pin 2 (T)</td><td colspan="2"></td></tr><tr><td>Pin 3 (R)</td><td>Pin 6 (T)</td><td colspan="2"></td></tr><tr><td>Pin 4 (R)</td><td>Pin 5 (T)</td><td colspan="2"></td></tr><tr><td>Pin 7 (R)</td><td>Pin 8 (T)</td><td colspan="2"></td></tr><tr><td colspan="2">RJ45 B (DDC)</td><td colspan="2"></td></tr><tr><td>Pin 1 (R)</td><td>Pin 2 (T)</td><td colspan="2"></td></tr><tr><td>Pin 3 (R)</td><td>Pin 6 (T)</td><td colspan="2"></td></tr><tr><td>Pin 4 (R)</td><td>Pin 5 (T)</td><td colspan="2"></td></tr><tr><td>Pin 7 (R)</td><td>Pin 8 (T)</td><td colspan="2"></td></tr></table> <div></div>			RJ45 A (Video)				Pin 1 (R)	Pin 2 (T)			Pin 3 (R)	Pin 6 (T)			Pin 4 (R)	Pin 5 (T)			Pin 7 (R)	Pin 8 (T)			RJ45 B (DDC)				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

