

Overview

The HDMI Extender Kit (500401) 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

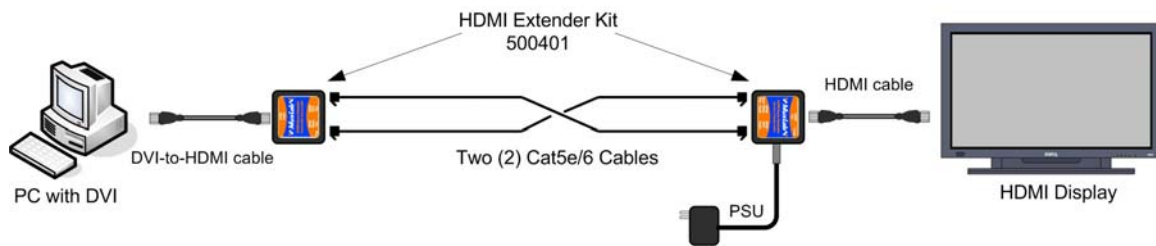
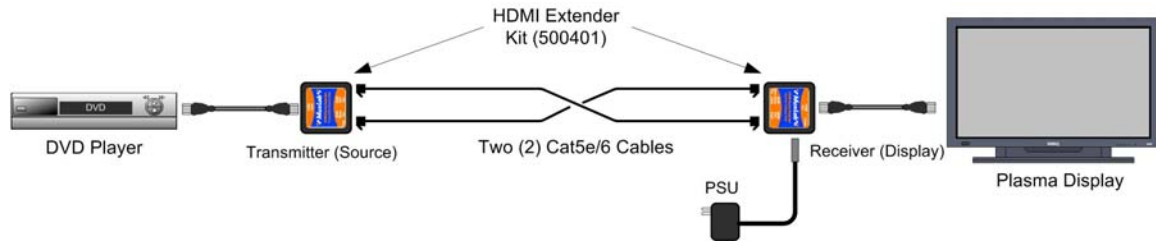
Commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.

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
- Auto equalization
- LED diagnostics for power and sync
- May be used with MuxLab mounting accessories

Specifications													
Environment	HDMI 1.3 and DVI-D. (Supports the 3D feature of HDMI 1.4)												
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI												
Transmission	Transparent to the user												
Bandwidth	225 MHz												
Standard	HDMI 1.3												
Connectors	HDMI receptacle. Two (2) RJ45S for Cat5 unshielded or shielded twisted pair. <i>HDMI cables not included.</i>												
Max. Distance*	<table border="0"> <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> </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) Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)</p> <p>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)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p><i>*In the DDC cable, RJ45 pins 5 and 8 are unused and available for other services.</i></p>												
Cable	Two (2) Category 5e or better twisted pair cables required.												
Power Supply	One (1) 110-240V/12VDC power supply with interchangeable blades included												
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	2.4" x 2.25" x 1.0" (6.1 x 5.5 x 2.5 cm)												
Weight	10.9 oz (309 gms)												
Mounting	Velcro pads included.												
Compliance	Regulatory: FCC Class A, CE, RoHS Flammability: 94V0												
Warranty	2 years												
Order Information	500401 HDMI Extender Kit												

Typical Application



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