MuxLab

Overview

The HDMI Econo Plus 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 cable. The kit come 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 90ft ft (27m) @ 1080p Deep Color via Cat6
Connect via two (2) Cat5e/6 cables
May be used with MuxLab mounting accessories

Specifications	
Environment	HDMI and DVI-D
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI
Transmission	Transparent to the user
Bandwidth	225 MHz
Standard	HDMI 1.3a
Connectors	HDMI receptacle. Two (2) RJ45S for Cat5e/6 unshielded or shielded twisted pair. *HDMI cables not included.*
Max. Distance* **Based on a maximum length of 6.6 ft (2m) of HDMI cable per end*	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 (27m) 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 recommeneded with 1080p Deep Color.
RJ45 Pin Configuration *Reverse Polarity Sensitive* *Use EIA/TIA 568 A or B, straight-through wiring.*	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) **In the DDC cable, RJ45 pins 5 and 8 are unused and available for other services.* Pair 3 Pair 1 Pair 2 Pair 4 Pair 2 Pair 1 Pair 3 Pair 4 1 2 3 4 5 6 7 8 1 2 3 4 5 6 7 8 EIA568A EIA568B
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: 0º to 55º C. Storage:-20º to 85º 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 Econo Plus Extender Kit

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Typical Application

HDMI Econo Plus
Extender Kit
(500401)

DVD Player   Transmitter (Source)   Two (2) Cat5e/6 Cables   Receiver (Display)   Plasma Display

PSU

HDMI Econo Plus Extender Kit
500401

PC with DVI   DVI-to-HDMI cable   Two (2) Cat5e/6 Cables   HDMI cable   HDMI Display

PSU