MuxLab

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.

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
Decora [TM] compatible

Specifications	
Environment	HDMI 1.3a
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI. *Not compatible with MuxLab p/n 500400.*
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. *HDMI cables not included.*
Power Switch	Switch on rear panel to select between Power or No-Power. Factory setting: Power
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 (27 m) "No Power" Mode: Cat5e: 100 ft (30m) Cat6: 100 ft (30m) 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.
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)
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: 0º to 55º C. Storage:-20º to 85º 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

Source side   Display side

MuxLab Inc.
8495 Dalton Road, Mount Royal, Quebec,
Canada, H4T 1V5
Tel: (514) 905 0588 Fax: (514) 905 0589
Toll Free:1 877 689-5228
E-mail: videoease@muxlab.com
URL:www.muxlab.com