MuxLab

Overview

The HDMI Passive Extender Kit (500402) allows HDMI equipment to be connected up to 100 ft (30m) via two (2) Cat5e unshielded twisted pair cables in a point-to-point configuration at 1080p resolution. The product works with 1080p up to 150 ft (45m) via Cat6 cables. The kit comes with one (1) transmitter and one (1) receiver.

Applications

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

Key Features

HDMI 1.4
Up to 100 ft (30m) @ 1080p via Cat5e
Up to 150 ft (45m) @ 1080p via Cat6
Connect via two (2) Cat5e/6 cables
No external power required
Supports HDMI 3D
Works with Deep Color equipment

Specifications	
Environment	HDMI and DVI-D
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, Playstation3, servers supporting HDMI
Transmission	Transparent to the user
Bandwidth	225 MHz
Standard	HDMI 1.4
Connectors	HDMI receptacle. Two (2) RJ45S for Cat5 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: 150 ft (45 m) Cat6: 200 ft (60 m) 720p, 1080i: Cat5e: 150 ft (45 m) Cat6: 200 ft (60 m) 1080p: Cat5e: 100 ft (30 m) Cat6: 150 ft (45 m) STP is recommended where EMI/RFI may be an issue. Usage of patch panels is not recommended.
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) 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 **In the DDC cable, RJ45 pins 5 and 8 are unused and available for other services.*
Cable	Two (2) Category 5e or better twisted pair cables required.
Temperature	Operating: 0° to 55° C. Storage:-20° to 85° C. Humidity: up to 95% non-condensing.
Enclosure	PVC fire retardant plastic
Dimensions	10.6" x 1.9" x 0.8" (27.0 cm x 4.8 x 2.0 cm)
Weight	10.9 oz (309 gms)
Compliance	Regulatory: FCC Class A, CE, RoHS, Flammability: 94V0
Warranty	2 years
Order Information	500402 HDMI Passive Extender Kit

Typical Application

HDMI Passive Extender
(500402), Source Side

HDMI Passive Extender
(500402), Display Side

BluRay Player

Two (2) Cat5e/6 Cables

Plasma Display

HDMI Passive Extender
(500402), Source Side

HDMI Passive Extender
(500402), Display Side

BluRay Player

Cablebox

HDMI AVR/Switch/DA

PS3

PC

Two (2) Cat5e/6 Cables

Plasma Display

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