

Overview

The HDMI 1x4 Distribution Hub Over UTP (500420) allows one (1) HDMI source to be distributed to up to four (4) HDMI displays via two (2) Cat5e/6 cables. The product supports up to 150 ft (46m) at 1080p/8-bit via Cat5e cable on either side of the hub. The product supports remote IR control and works in conjunction with the HDMI IR/Extender (500405 [kit], 500406 [Tx] and 500407 [Rx]).

Applications

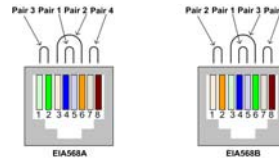
- Commercial and residential AV systems
- Classroom training systems
- Digital signage
- Boardroom systems
- Medical video systems



Key Features

- Distributes one HDMI source to up to 4 displays
- Supports Cat5e/6 on input and output sides
- Up to 150 ft (46m) @ 1080p via two (2) Cat5e
- Up to 300 ft (91 m) @ 1080i via two (2) Cat5e
- Up to 150 ft (46m) @ 1080p Deep Color via Cat6
- Cascadable
- Local HDMI output
- Includes one (1) IR Emitter for IR source control
- EDID configuration switch

Specifications	
Environment	HDMI 1.3a
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, home theatre, servers supporting HDMI.
Transmission	Transparent to the user.
Signals	HDMI 1.3a protocol
Connectors	Source Input: One (1) HDMI receptacle. One (1) UTP/STP input via a pair of RJ45 connectors Local Output: One (1) HDMI receptacle. Distributed Outputs: Eight (8) RJ45S for Cat 5e/6 unshielded or shielded twisted pair. Note: HDMI cables not included.
Maximum Distance	480i/p: Cat 5e: 300 ft (91 m) Cat 6: 300 ft (91 m) 720p, 1080i: Cat 5e: 300 ft (91 m) Cat 6: 300 ft (91 m) 1080p: Cat 5e: 150 ft (46 m) Cat 6: 200 ft (61 m) 1080p Deep Color: Cat 5e: 90 ft (27 m) Cat 6: 150 ft (46 m) Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end. Note 1: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used. Note 2: These distances are valid both at the UTP input and the UTP output of the hub. For example, there can be a distance of 150ft before AND 150ft after the hub to distribute 1080p Deep Colour over CAT6.
RJ45 Pin Configuration	RJ45 A (HDMI A or B) Pin 1 [R] Pin 2 [T] Pin 3 [R] Pin 6 [T] Pin 4 [R] Pin 5 [T] Pin 7 [R] Pin 8 [T] <i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i>
Cable	Two (2) Cat 5e/6 or better twisted pair cables required per port
Power Supply	One (1) 110-240V/12VDC 1.25A power supply with interchangeable blades
Compatible Tx/Rx Devices	500405 (kit), 500406 (Tx), 500407 (Rx)
Power Consumption	15 Watts
EDID Configuration Switch	Sets hub to support 4 different EDID configurations.
IR Remote	Includes one (1) IR Emitter (500998) and one (1) IR Sensor (500999).
LED Diagnostics	Power (blue), HDMI Source (Orange), HDMI Local Out (orange), Display Out 1 to 4 (green)
Temperature	Operating: 0° to 40° C. Storage: -20° to 85° C. Humidity: up to 95% non-cond.
Dimensions	1 Unit rack mountable: 19" x 6.75" x 1.75" (48.26 cm x 17.15 cm x 4.45 cm)
Weight	3.3 lbs (1.5 kgs)
Compliance	FCC, CE-EMC Directive 89/336/EEC, RoHS, WEEE
Warranty	2 years
Order Information	500420 HDMI 1x4 Distribution Hub Over UTP



Typical Applications

