

Overview

The DVI / USB2.0 HDBaseT Extender Kit (500391) allows one DVI channel and one USB2.0 channel to be transmitted over distances of up to 330ft (100m) at all resolutions up to 1920x1200 via single Cat5e/6 cable, 4K (3840x2160) to 230ft / 70m. The Receiver features a 1x4 USB2.0 hub for transferring of USB2.0 data transmissions.

Applications

KMV / AV systems, Classroom projector systems, Digital signage, Boardroom systems, Collaborative PC systems, Medical information systems



Key Features

- Extends DVI and line level stereo audio via single Cat5e/6 cable
- Up to 330 ft (100m) at all resolutions up to 1920x1200 via one Cat5e/6
- HDBaseT technology
- Supports 4K resolutions up to 230ft (70m)

Specification Chart	
Environment	DVI 1.0 (Single Channel) & USB 2.0
Devices	Projectors, monitors, PC, laptops, mouse, keyboard, webcam
Transmission	Transparent to the user
Bandwidth	340 MHz
Signals	DVI 1.0 protocol, USB2.0
USB	One input (type B) on TX side and 4 output (type A) on RX. Bandwidth available: Up to 250 Mbps.
Connectors	One (1) DVI-D receptacle One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair On TX: 1 standard USB connector type B On RX: 4 standard USB connector type A <i>Note: Cables not included</i>
Maximum Distances <i>Based on a maximum length of 6.6ft / 2m of DVI cable per end.</i>	Cat 5e/6: 330ft / 100m up to 1920x1200 230ft / 70m for 4K (3840x2160 @ 24 / 25 / 30Hz) <i>Note: 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.</i>

RJ45 Configuration	RJ45 Link
<i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i>	Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)
 EIA568A	 EIA568B
Cable	One (1) Cat 5e/6 or better twisted pair cables required
Power Supply	Two (2) 110-240V/5VDC power supplies with interchangeable blades
Power Consumption	Transmitter: 3 Watts Receiver: 7 Watts
Temperature	Operating: 0° to 40°C
Humidity:	Up to 95% non-condensing
Enclosure	Aluminum
Dimensions	4.50" x 3.00" x 1.25" (114 x 76 x 32 mm)
Weight	2.6 lb / 1.2 kg
Compliance	Regulatory: FCC, CE, RoHS

DVI / USB 2.0 4 Port Extender Kit 500391

Typical Application Schematic

