

## DVI over Cat5/6 Extender, Box-Style Remote Repeater for Video, DVI-I Dual Link, Up to 175 ft. (53 m), TAA

MODEL NUMBER: **B140-110**



Extend and expand a Tripp Lite B140-Series DVI over Cat5 installation

### Description

The B140-110 remote repeater unit can be added to your B140-Series HDMI over Cat5 installation to expand the range and number of monitors. It transmits a DVI-D Single-Link signal up to 175 feet (53.3 meters) away using a single Cat5e/6 Ethernet cable. To achieve maximum distance and resolution, use 24 AWG solid wire Cat5e/6 cable (N202-Series). The B140-110 is compatible with all operating systems and is plug and play with no software or drivers required. It features a built-in equalization control for adjustment of the video image. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

Installation is simple. Just insert the B140-110 repeater into the middle of your installation (cannot be used with passive extender kits or passive receiver units). In the case of a B140-101X active extender kit, the built-in DVI connector on the transmitter is connected to the DVI source. It is then connected via Cat5e/6 cable to the B140-110, which is connected via Cat5e/6 cable to the B140-101X receiver unit. Finally, a monitor is connected to both the repeater and receiver units using P561-Series DVI cable (not included).

- Connect up to four remote units (three repeaters and one active receiver) in a single chain for a total of four displays (an active receiver should be the last unit in a chain).
- A 1920 x 1080 at 60 Hz signal can be extended up to 125 feet (38.1 meters) from each repeater to the next unit in the channel, or a 1024 x 768 at 60 Hz signal can be extended up to 175 feet.

### Features

- Supports DVI-D Single-Link video resolutions up to 1920 x 1080 at 60 Hz
- Extends a 1920 x 1080 @ 60 Hz signal up to 125-ft. (38.1 m), or a 1024 x 768 @ 60 Hz signal up to 175-ft. (53.3 m)
- Insert into your B140-Series DVI over Cat5 installation to expand the range and number of monitors (Cannot be used with Passive extender kits or Passive receiver units)
- Add up to four remote units (three repeaters and one active receiver) in a single chain, for a total of 4 displays. (An active receiver should be the last unit in a chain)
- A 1920 x 1080 at 60 Hz signal can be extended up to 125-ft. (38.1 m) from each repeater to the next unit in the chain, or a 1024 x 768 at 60 Hz signal can be extended up to 175-ft. (53.3 m)
- Use 24 AWG Solid Wire Cat5e/6 cable, such as N202-Series, to achieve maximum distance and resolution
- Features a built-in Equalization control for adjustment of the video image

### Highlights

- Insert into your B140-Series DVI over Cat5 installation to expand the range and number of monitors (Cannot be used with Passive extender kits or Passive receiver units)
- Supports DVI-D Single-Link video resolutions up to 1920 x 1080 @ 60 Hz
- Extends a 1920 x 1080 @ 60 Hz signal up to 125 ft. (38.1 m), or a 1024 x 768 @ 60 Hz signal up to 175 ft. (53.34 m)
- Use 24 AWG, Solid Wire Cat5e/6 cable, such as N202-Series, to achieve maximum distance and resolution
- Compatible with all operating systems
- Plug and play, no software or drivers required
- Features a built-in Equalization control for adjustment of the video image
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### System Requirements

#### Package Includes

- B140-110 Extender / Repeater Unit
- External Power Supply with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A)
- Mounting Hardware
- Screwdriver for Equalization Adjustment

- HDCP compatible
- Compatible with all operating systems
- Plug and play; no software or drivers required
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Specifications

OVERVIEW	
UPC Code	037332168085
Product Type	Repeater
Technology	DVI; Cat5/5e; Cat6
VIDEO	
Max Supported Video Resolution	1920 x 1080 (1080p @ 60Hz)
Max 720P Range (ft)	175
Max 1080P Range (ft)	125
Max 1280 x 720 (720p) Range (ft)	125
Max 1920 x 1080 (1080p) Range (ft)	125
Receiver/Transceiver Video Output	DVI-I
Range Extension using other Tripp Lite product	175 ft.
Recommended Cabling	N202-Series Cat6 Patch Cable
HDR Support	No
3D Video Supported	Yes
Maximum Signal Range (ft)	175
Maximum Signal Range (m)	53
Maximum Signal Range Details	175 ft @ 1024 x 768 XGA 125 ft @ 1920 x 1080 UXGA
INPUT	
AC Power Adapter Plug(s)	NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.5A
AC Power Adapter Output Specs (V / A)	5V / 2A
AC Power Adapter Cord Length (ft.)	4.5
AC Power Adapter Cord Length (m)	1.4
Bus Powered	No

<b>POWER</b>	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P
Power Source	Unit (Included)
Power Over Cable (PoC) Support	No
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	Power (Green); Activity (Orange)
<b>PHYSICAL</b>	
Color	Black
Included Mounting Accessories	Wallmount
Number of Displays	1
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket <a href="//tripplite.eaton.com/din-rail-mounting-bracket-for-digital-signage-version-1-B110-DIN-01">B110-DIN-01</a>
Form Factor/Mounting Options	Box; Wall-mount
Shipping Dimensions (hwd / in.)	2.20 x 7.20 x 6.50
Shipping Dimensions (hwd / cm)	5.59 x 18.29 x 16.51
Shipping Weight (lbs.)	1.50
Shipping Weight (kg)	0.68
Unit Dimensions (hwd / in.)	1.100 x 4.500 x 2.500
Unit Dimensions (hwd / cm)	2.54 x 11.43 x 6.35
Unit Packaging Type	Box
Unit Weight (lbs.)	0.4
Unit Weight (kg)	0.18
Housing	Metal
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0% to 85%, Non-Condensing
<b>COMMUNICATIONS</b>	
Max 1024 x 768 Range (ft)	175
Max 480P Range (ft)	175

Max 1440 x 900 Range (ft)	175
Max 1080i Range (ft)	125
Max 480i Range (ft)	175
Max 640 x 480 Range (ft)	175
Max 800 x 600 Range (ft)	175
Max 1600 x 1200 Range (ft)	175
EDID Compatible	Yes
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
USB Extension Support	No
<b>CONNECTIONS</b>	
Number of Ports	1
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	DVI-I DUAL-LINK (FEMALE) (WIRED TO DVI-D SINGLE-LINK)
Side B - Connector 2	RJ45 (FEMALE)
Daisy-chainable / Cascadable	Yes
<b>FEATURES &amp; SPECIFICATIONS</b>	
10/100 Ethernet Extension Support	No
Built-In Equalizer	Yes
Driver Required	No
<b>STANDARDS &amp; COMPLIANCE</b>	
External Power Supply Certifications	FCC; PSE; TUV; UL; cUL
Product Compliance	RoHS; REACH; FCC (USA); Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	1-year limited warranty