



Second generation extender to transmit both full DVI video as well as transparent USB over a single CATx cable

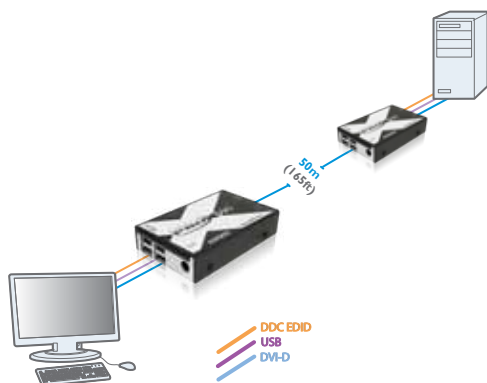
ADDERLINK X-DVI PRO

Single link DVI and transparent USB over a single CATx cable

PRODUCT IN BRIEF

The AdderLink X-DVI PRO is Adder's second generation extender to transmit both full DVI video as well as USB over a single CATx cable.

The AdderLink X-DVI PRO allows users to distribute control of any computer which uses DVI video and USB. The X-DVI PRO can deliver perfect 1080p digital video at distances over 50 meters and resolutions up to 165 MPixels per second (e.g. 1920x1200 @ 60Hz or 3840 x 2400 @ 17Hz). In operation, the X-DVI PRO is truly plug and play, delivering full EDID data from computer to screen ensuring your hardware is always setup to deliver optimal display performance.



FEATURES

Full single link DVI extender

The AdderLink X-DVI PRO extender is designed to deliver full single link DVI digital video resolutions up to 165 MPixels per second. 165MPixels per second is the maximum data rate available on single link DVI connections, and is achieved without the need to compress data in any way. Resolutions supported by single link DVI range from 640 x 480 @ 60 Hz (25 MPixels/s) through to 3840 x 2400 @ 17Hz (164 MPixels/s).

USB transparent connection

Alongside fully un-compressed DVI video, the AdderLink X-DVI PRO also delivers bidirectional USB (low speed / full speed) data allowing you to extend any USB device over 50 meters on the same CATx cable.

This makes the X-DVI PRO perfect for distributed workstations where you want to reduce environmental concerns such as heat and noise. A typical example of this would be post production suites. By centralising your workstations, you can also extend operational life-span by ensuring optimal temperature control, and minimal physical disturbance.

Single CATx distribution

AdderLink X-DVI PRO requires just one CATx (CAT7a recommended) cable. Other solutions available require two cables to carry DVI and DDC EDID. The X-DVI PRO delivers this alongside USB data over a single CATx cable. Dependent



upon cable type, quality and connections distances may vary. See technical specification for detailed rules.

DVI-D digital video

The AdderLink X-DVI PRO is specifically designed to carry digital video over 50 meters. By maintaining the video in a purely digital domain, no loss of quality through D/A or A/D conversion will be experienced, ensuring the display output (LCD panel for example) is exactly the same as the signal produced by the display adapter (video card).

Extended profile DDC EDID

The AdderLink X-DVI PRO carries extended profile DDC EDID data from your display device to the display adapter to ensure that your system is configured to deliver optimal video performance. The extended profile DDC EDID is particularly important when extending video to high performance display devices. This is essential for professional graphics users such as post production, broadcast, architecture, graphic design, medical imaging, CAD or any other applications where display performance is critical.

Interface/mains power options

The AdderLink X-DVI PRO transmitter can be powered directly via the USB link, reducing cable clutter. If you prefer, a mains power adapter is also available.

ADDERLINK X-DVI PRO

Single link DVI and transparent USB over a single CATx cable

ABOUT ADDER

Adder is a leading developer and thought leader in connectivity solutions. Adder's advanced range of KVM switches, extenders and IP solutions enable the control of local, remote and global IT systems across the enterprise. The company distributes its products in more than 60 countries through a network of distributors, resellers and OEMs. Adder has offices in the United States, United Kingdom, Germany, the Netherlands, Sweden, China and Singapore.

To find out more, visit:
<http://www.adder.com>.

TECHNICAL SPECIFICATIONS

Video Resolution

Single link DVI video resolution up to a maximum pixel rate of 165MP/s

Extension Distance

See table below

O/S Compatibility

Operating system independent

Connectors (local / remote)

Local end: DVI-D, USB B, optional power jack, RJ45

Remote end: DVI-D, 4 x USB A, power jack, RJ45

Physical design

Local: All metal case, 120mm / 4.7" (w) x 75mm / 3"(d) x 26mm / 1" (h) 319g / 0.7 lb.

Remote: All metal case, 120mm / 4.7" (w) x 75mm / 3"(d) x 26mm / 1" (h) 323g / 0.7 lb.

Power

Local interface powered, optional +5V DC; remote end +5V DC

ORDERING INFORMATION

AdderLink X-DVI PRO: X-DVIPRO-XX

XX = Mains Lead Country Code:
UK = United Kingdom
US = United States
EURO = Europe
AUS = Australia

ADDITIONAL ACCESSORIES

Rack mount plate with screws included: MET-XSERIES-FASCIA-SINGLE

Rack mount chassis: X-RMK-CHASSIS

Operating temperature

0-40 °C

Approvals

CE, FCC

Cable recommendation:

Daetwyler Uninet 7702 Flex 4P

RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products you may be interested in include:

ADDERLink INFINITY
ALIF1000P; ALIF1000R;
ALIF1000T



ADDERLink X50
X50



ADDERLink X50 MS
X50-MS



ADDERLink X USB PRO
X-USBPRO



ADDERLink X200
X200R; X200A/R;
X200AS/R



Scheme	Resolution	Frequency	Data Format	Data Rate	Cable	Distance
HDTV	1920x1080	60Hz	CVT-R	139MP/s	CAT7a	60 Meters
UXGA	1600x1200	60Hz	GTF	161MP/s	CAT7a	60 Meters
WUXGA	1920x1200	60Hz	CVT-R	154MP/s	CAT7a	60 Meters
HDTV	1920x1080	60Hz	CVT-R	139MP/s	CAT6a	55 Meters
HDTV	1920x1080	60Hz	CVT-R	139MP/s	CAT5e	45 Meters
SXGA	1280x1024	60Hz	CVT-R	108MP/s	CAT7a	70 meters
SXGA	1280x1024	60Hz	CVT-R	108MP/s	CAT6a	65 meters
SXGA	1280x1024	60Hz	CVT-R	108MP/s	CAT5e	55 meters

Note:

Distances are achieved using single lengths of trunk/bulk cable. For each break/patch connection reduce distance by 5 meters. For resolutions/ data rates of less than 1280x1024 / 108MP/s, add 10 meters. Preferably patch cables should be of type CAT7a and less than 2 meters. Patch cables over 2 meters must be CAT7a.



© Copyright May 2011 - Adder Technology Ltd. All brand names and trademarks are the property of their respective owners. x-dvi_pro1.indd