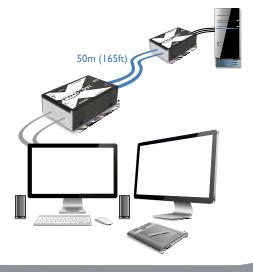**Fanless, small form factor, DVI-D, USB and audio**

ADDERLINK X-DVI PRO MultiScreen
Dual Head digital video extender with USB 2.0 over twin cables

PRODUCT IN BRIEF

AdderLink X-DVI PRO MultiScreen is a high performance KVM (Keyboard, Video and Mouse) extender that enables you to locate your critical computing hardware in a secure and temperature controlled environment, away from the user work station environment, whilst maintaining the same user experience. It can transmit two Single Link DVI video streams, USB 2.0 and analog audio over two CATx cables.

- Plug and play,
- 50 meter extension distance,
- Dual screens at 1920 x 1200 @ 60Hz maximum resolution,
- USB 2.0 Low and Full speed,
- Keyboard, mouse, tablet and touch.

50m (165ft)

FEATURES

Perfect digital video, real time control
The AdderLink X-DVI PRO MultiScreen extender uses an uncompressed system whereby every pixel of every frame are sent without loss. HDMI video and audio can be extended with the correct adapter cable, although HDCP and CEC are not supported.

50 meters over a single CATx cable
Video, USB 2.0 (Low and Full speed) and audio all pass along a single cable, providing up to 50 meters of extension. The second video head requires a separate CATx cable.
Distance is dependent upon video resolution, the CATx cable type, and the number of connection breaks for patch panels and wall plates. See table on reverse for details.

USB 2.0
Enables connection of any USB human interface device from mice and keyboards through to graphics tablets, jog shuttles, joysticks, 3D explorers and mass storage devices. Full speed (12Mbps) isochronous devices such as headsets are supported.

Power efficiency
The X-DVI PRO MS extender is designed to be highly power efficient and run with the minimum of input. In fact, the transmitter unit is so energy efficient that it can be powered solely from two host computer USB connections.

EDID management
The system has intelligent EDID management to allow the true characteristics of the monitor to be passed back to the computer.

Plug and Play
The X-DVI PRO MS extenders are delivered in a zero config state so you can plug them in and start working with them straight away. There's no need for drivers or software to be installed.

Analog audio
Stereo CD quality (stereo channel 16 bit sampled at 44.1kHz) is available to transfer audio from local to remote for line out.

Digital audio
Supports 8 channels of HDMI audio simultaneously with analog audio.

Built to last
Adder Technology have a well-earned reputation for creating products that perform well and stay the course. The X-DVI PRO MS extender units are no exception and feature tough metallic enclosures to ensure they can easily withstand everyday treatment. The internal components and external connectors too are selected for their reliability in addition to their performance characteristics.

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ABOUT ADDER

Adder is a leading developer and thought leader in connectivity solutions. Adder's advanced range of high performance 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

RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products you may find useful are:

ADDERLink
X-DVIPRO

ADDERLink
X-USBPRO-MS
X-USBPRO-MS

ADDERLink X-50-MS
X50-MS

ADDERLink INFINITY
dual
ALIF2002P, ALIF2002T,
ALIF2000R

TECHNICAL SPECIFICATIONS

Hardware compatibility
All computers with DVI-D, USB and audio - requirement dependent.

DVI-D Interface – digital only
The system supports resolutions to a maximum of 1920 x 1200 @ 60Hz per head.

USB 2.0 Low and Full speed
Transparent USB 2.0 (Low and Full speed) that supports HID and mass storage devices to a maximum of 50 meters. You may need to reduce maximum cable length by 5 meters if a USB hub is connected to the receiver unit.

Audio
The system delivers analog stereo audio (Line Out).
8 channels of HDMI audio are supported with sample sizes of 16, 20 or 24 bits at 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, or 192kHz (simultaneously with the jack audio).

Software compatibility
All known operating systems.

Computer connections Transmitter (TX)
2 x DVI-D, audio 3.5mm in, USB type B.

Computer connections Receiver (RX)
2 x DVI-D, audio 3.5mm out, USB type A x 4.

Physical design
Compact case, robust metal construction 120mm / 4.7" (w) x 75mm / 3"(d) x 48mm / 2" (h) 500g / 1.1 lb.

Power
Rx: 2.5mm DC jack (power adapter included),100-240VAC 50/60Hz, 0.4A, input to power adapter, 5VDC 12.5W output from power adapter.
Tx: Powered from two USB connections. Optional 2.5mm DC jack (power adapter not included).

Operating temperature
0 to 40°C / 32 to 104°F.

Approvals
CE, FCC.

ORDERING INFORMATION

X-DVIPRO-MS2-XX: Pair including TX and RX units

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

ADDITIONAL ACCESSORIES

X-RMK-FASCIA-Dual: Rack mount plate with screws included
X-RMK-CHASSIS: Rack mount chassis
VSCD11: HDMI to DVI cable

Important extension distance details

Recommended cables are CAT7 shielded foiled twisted pairs:
Daetwyler 7702   Flexible patch cable
Daetwyler 7120   Bulk cable
Category 5 (or better) shielded twisted pair cable must be used to connect the local and remote units in order to maintain compliance with radio frequency energy emission regulations and ensure a suitably high level of immunity to electromagnetic disturbances.

Res (@60Hz)	Cable	Patches	Dist
1920 x 1200	CAT7	0	50m
1920 x 1200	CAT6a*	0	50m
1680 x 1200	CAT5e*	0	50m
1920 x 1200	CAT7	2	40m

∗ Shielded

Notes:
Distances are achieved using single lengths of trunk/bulk cable. For each break/patch connection, reduce distance by 5m. Preferably patch cables should be of type CAT7a and less than 2m. Patch cables over 2m must be CAT7a. CAT5e is not recommended for use with this system. The maximum extension distance for USB is 50m including connections to and from the X-DVI PRO MS independent of cable type. If a USB hub is connected to the RX unit, this is seen as 5m of cable length. This needs to be taken into consideration when planning your system.

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