



Fanless, small form factor,
DVI, USB and Audio

ADDERLink XDI50FX

DVI video extender with USB2.0 over a single duplex fiber cable



PRODUCT IN BRIEF

ADDERLink XDI50FX is a high performance KVM (Keyboard, Video, Mouse) extender that enables you to locate your critical computing hardware in a secure and temperature controlled environment away from the user work station whilst maintaining the original user desktop experience.

- Resolutions up to 2560x1600@60Hz
- 150m/ 492ft extension distance for OM2 multi-mode fiber
- 4km extension distance for a single mode fiber. 400m/ 1312ft extension for OM4 fiber
- USB2.0 Hi-speed for mass storage devices: Keyboard, mouse, tablet and touch screen
- Bi-directional analog audio (Line in/out with microphone & headphone support)
- RS232 with RTS/CTS flow control



FEATURES

Perfect digital video, real time control

The video extension system is visually lossless with no visible artefacts or latency allowing you to be certain of quality and control whilst separated from your computer.

Single duplex LC fiber cable required

Video, USB2.0 and audio all pass along a single duplex LC fiber cable.

Flexible extension distances from 150m/ 492ft to 4km

The unit is fitted with SFP cages allowing different types of fiber to be utilized. Distance is dependent on the cable type and fiber module. See table on reverse for details.

USB 2.0

Enables connection of any USB human interface device from mice and keyboards through to touch screens, graphics tablets, jog shuttles, joysticks and 3D explorers. Mass storage devices and isochronous devices such as webcams and headsets can also be used.

EDID management

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

REST API

A REST (*RE*presentational *S*tate *T*ransfer) API is available with all functionality to which authorized 3rd party control systems can interface.

Web interface control

The XDI50FX can be controlled and monitored via a web interface. Temperature and status are viewable and each function can be individually controlled. Web interface security is by HTTP digest authentication (RFC 2617) with username and password as requested information.

Plug and Play

The XDI50FX extender is delivered in a zero config state so you can plug in the units and start working with them straight away. There is no need for drivers or software to be installed.

Bidirectional CD-quality analog audio

The unit delivers CD-quality stereo audio (24-bit sampling at 96kHz) is available to transfer audio between local and remote. A microphone and headphones are also supported.

RS232 with flow control

RS232 can be passed between the units to a maximum 115K2 baud rate via the options port.

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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 China, Germany, Japan, the Netherlands, Singapore, Sweden, United Kingdom and United States.

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:

XD150
DVI video extender with transparent USB2.0 over a single cable



XD522
High resolution DisplayPort extender with USB2.0 over a single cable



X-DVIPRO
Single link DVI and USB extender over a single CATx cable



AdderLink Infinity Dual
Dual link or dual head video & USB2.0 matrix over a single cable



TECHNICAL SPECIFICATIONS

Hardware compatibility

All computers with DVI, USB and audio.

DVI Interface

The system supports resolutions to a maximum of 2560x1600@60Hz.

USB 2.0

Supports USB2.0 devices (low, full and high speed). Isochronous devices are supported.

Software compatibility

All known operating systems.

Connections

Transmitter (TX)

DVI, Audio 3.5mm x 2, USB type-B, Options port (6p6c), Ethernet port (8p8c), Peripheral connections.

Receiver (RX)

DVI, Audio 3.5mm (line in and out), Audio 3.5mm (mic in and headphones), USB type-A x 4, Options port (6p6c).

Physical design

Compact case, robust metal construction. 169mm/6.65" (w), 31mm/1.22" (h), 120mm/4.8" (d), 0.6kg/1.3lbs.

ORDERING INFORMATION

XD150FX-MM-XX: Multimode Pair*
XD150FX-SM-XX: Single mode Pair*
* including TX and RX units

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

ADDITIONAL ACCESSORIES

RMK8: 19" rack mount kit - 2 units/1U slot
RMK10: Wall/desk mount kit
RMK5V: VESA rack mount kit for monitor mounting
SFP-SM-LC-4G: Single mode 4G SFP with LC conns
SFP-MM-LC-4G: Multimode 4G SFP with LC conns

Power

3 Pin Locking DC jack (2 x power adapter included), 100-240VAC 50/60Hz, 0.7A, input to power adapter, 12VDC 18W output from power adapter.

Operating temperature

0 to 40°C / 32 to 104°F.

Approvals

CE, FCC.

Mean Time Between Failure (MTBF)

400,000 hours; , calculated to Telecordia standard SR-332 issue 4 March 2016 @55°C/ 131°F

IMPORTANT EXTENSION DISTANCE INFORMATION

Fiber type	Fiber size	Fiber type	Coding			Dist. at 4.25 Gbps	SFP part #	Bar color	Conn. type
			Normal	Military	Print #				
OM1	(62.5/125)	Multimode (TIA-492AAAA)	Orange	Slate	62.5/125	70m/229ft	SFP-MM-LC-4G	Black	LC
OM2	(50/125)	Multimode (TIA-492AAAB)	Orange	Orange	50/125	150m/492ft	"	"	"
OM3	(50/125)	Multimode (850nm Laser-optimized) (TIA-492AAAC)	Aqua	Undefined	850 LO 50/125	380m/1246ft	"	"	"
OM4	(50/125)	Multimode (850nm Laser-optimized) (TIA-492AAAC)	Aqua	Undefined	850 LO 50/125	400m/1312ft	"	"	"
OS1 and OS2	(9/125)	Single-mode (TIA-492C000 / TIA-492E000)	Yellow	Yellow	SM/ ZDS, SM	4Km/13123ft	SFP-SM-LC-4G	Blue	LC

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