### Fanless, small form factor, DVI, USB and Audio
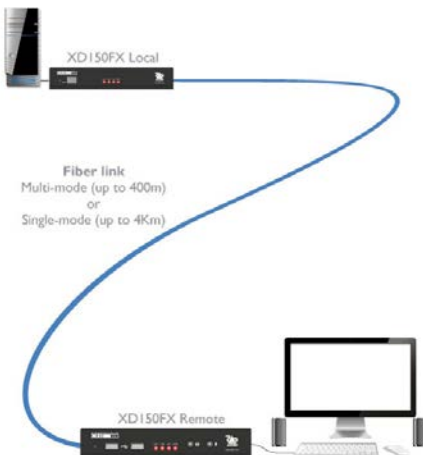
# ADDERLINK XD150FX

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

## PRODUCT IN BRIEF

ADDERLink XD150FX 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 2560 x 1600 @60Hz
- 150m extension distance for OM2 multi-mode fibre
- 4km extension distance for a single mode fibre. 400m extension for OM4 fibre
- USB2.0 Hi-speed for mass storage devices
- USB2.0 (Low, Full, High speed) for keyboard, mouse, tablet and touch screen
- Bidirectional 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 seperated 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 150 meters to 4km
The unit is fitted with SFP cages allowing different types of fiber to be utilised. 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 *(REpresentational State Transfer)* API is available with all functionality to which authorized 3rd party control systems can interface.

### Web interface control
The XD150FX 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 AdderLink XD150FX 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.

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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:

### 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 1002
Single link, single head video and 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 2560 x 1600 @ 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 |
| 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.

## 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 | SFP-MM-LC-4G | Black | LC |
| OM2 | (50/125) | Multimode (TIA-492AAAB) | Orange | Orange | 50/125 | 150m | " | " | " |
| OM3 | (50/125) | Multimode (850nm Laser-optimized) (TIA-492AAAC) | Aqua | Undefined | 850 LO 50/125 | 380m | " | " | " |
| OM4 | (50/125) | Multimode (850nm Laser-optimized) (TIA-492AAAC) | Aqua | Undefined | 850 LO 50/125 | 400m | " | " | " |
| OS1 and OS2 | (9/125) | Single-mode (TIA-492C000 / TIA-492E000) | Yellow | Yellow | SM/ZDS, SM | 4Km | SFP-SM-LC-4G | Blue | LC |

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