ADDERLink™ XD150FX

Digital KVM Extender

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

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 the 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/2.4mi
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 next page for details.

USB2.0
Enables connection of any USB human interface device from mouse and keyboard 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 third party control systems can interface.

Web interface control
The ADDERLink™ XD150FX (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 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.

Bi-directional 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.
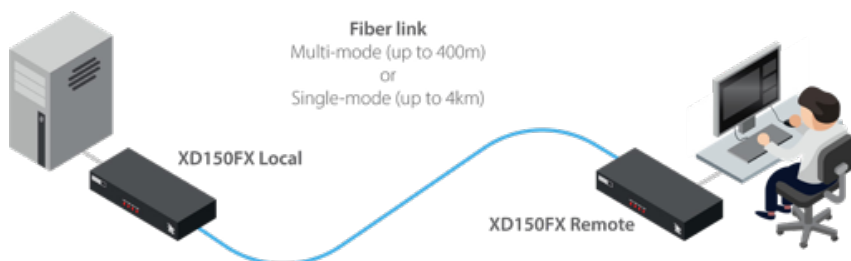
RS232 with flow control
RS232 can be passed between the units to a maximum 115K2 baud rate via the options port.

Product In Brief

ADDERLink™ XD150FX is a high performance KVM extender that enables you to locate the critical computing hardware in a secure and temperature controlled environment away from the user workstation whilst maintaining the original user desktop experience.

- Resolutions up to 2560x1600 @60Hz
- 150m/492ft extension distance for OM2 multi-mode fiber
- 4km/2.4mi extension distance for a single-mode fiber. 400m/1312ft extension for OM4 fiber
- Hi-speed USB2.0 for mass storage devices: Keyboard, mouse, tablet and touchscreen
- Bi-directional analog audio (Line in/out with microphone & headphone support)
- RS232 with RTS/CTS flow control

Fiber link
Multi-mode (up to 400m)
or
Single-mode (up to 4km)

XD150FX Local

XD150FX Remote

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 Hi-speed)
- Isochronous devices are supported

Software compatibility
- All known operating systems

Connections
Transmitter (TX)
- DVI, 2x audio 3.5mm, USB Type-B, options port (6p6c), ethernet port (8p8c) and peripheral connections

Receiver (RX)
- DVI, audio 3.5mm (line in and out), audio 3.5mm (mic in and headphones), 4x USB Type-A and options port (6p6c)

Physical design
Robust metal construction
- Dimensions: 169mm/6.65" (W) x 31mm/1.22" (H) x 120mm/4.8" (D)
- Weight: 0.6kg/1.3lbs

Power
- 3 Pin Locking DC jack (2x power adapter included)

- 100-240VAC 50/60Hz
- 0.7A, input to power adapter
- 12VDC18W output from power adapter

Operating temperature
- 0ºC to 40ºC/32ºF to 104ºF

Approvals
- CE, FCC

Mean Time Between Failure (MTBF)
- 400,000 hours; calculated to Telecordia standard SR-332 issue 4 March 2016 @55ºC/131ºF

Fiber type	Fiber size	Fiber type	Coding Normal	Coding Military	Coding Print #	Dist.	SFP part	Conn. type
OM1	(62.5/125)	Multimode (TIA-492AAAA)	Orange	Slate	62.5/125	70m/229ft	SFP-MM-LC-10G	LC
OM2	(50/125)	Multimode (TIA-492AAAB)	Orange	Orange	50/125	150m/492ft	SFP-MM-LC-10G	LC
OM3	(50/125)	Multimode (850nm Laser-optimized) (TIA-492AAAC)	Aqua	Undefined	850 LO 50/125	380m/1246ft	SFP-MM-LC-10G	LC
OM4	(50/125)	Multimode (850nm Laser-optimized) (TIA-492AAAC)	Aqua	Undefined	850 LO 50/125	400m/1312ft	SFP-MM-LC-10G	LC
OSI and OS2	(9/125)	Single-mode (TIA-492C000/ TIA-492E000)	Yellow	Yellow	SM/ZDS, SM	4km/13123ft	SFP-SM-LC-10G	LC

XD150FX RX - Front & Rear

XD150FX TX - Front & Rear

Ordering Information

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

What's in the Box?

1x XD150FX pair with PSUs
2x SFP modules
2x 3m/6.5ft Audio cable
1x 1.8m/5.9ft DVI-D dual link cable
1x quick start guide

Accessories (Sold Separately)

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-10G: Single-mode 10G SFP with LC conns

SFP-MM-LC-10G: Multi-mode 10G SFP with LC conns

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

To find out more, visit: adder.com

ADDER® THE IP KVM PEOPLE | DATA SHEET