



High density, small form factor, secure DVI, USB & Audio over Fiber

## ADDERLink INFINITY FX

ADDERLink INFINITY FX - Digital media KVM extender over Fiber



### PRODUCT IN BRIEF

ADDERLink INFINITY FX is a dual head (2 x 1920x1200), dual link (1 x 2560x1600) DVI KVM extender over fiber. Delivering DVI and bi-directional USB, Audio and RS232 across distances up to 10KM with no lossy compression and minimal lag.

As part of the ADDERLink INFINITY range, this KVM extender can easily be integrated into a wider matrix at any point, or kept as a robust point to point extender.

The ADDERLink INFINITY FX comes with a choice of single mode or multimode fiber modules to suit your specific application.



### FEATURES

#### Fiber optic extension

The ADDERLink INFINITY FX comes with integral SFP cages which allows you to simply plug in fiber optic transceivers suitable for your application. There are two choices available, a Multimode or Monomode, both 4.25Gbps rate selectable with LC type connectors suitable for up to 500 Meters (Multimode) or 10KM (Single mode).

#### DVI - Digital Visual Interface

ADDERLink INFINITY FX features two single link or a single Dual link. DVI delivers native digital video signals from your computer to your digital panel without the need to convert signal types from the digital domain. By delivering native digital video you can be assured of accuracy on each and every pixel.

#### Perfect Digital Video

The ADDERLink INFINITY makes use of multiple video encoding technologies devised by Adder to deliver the very best picture available. Our encoding systems are spatially-lossless, with 1:1 pixel mapping, so the digital video you receive is the same as the digital video leaving the remote computer.

#### Intelligent Video Encoding

ADDERLink INFINITY FX uses optimal spatially-lossless compression techniques to minimize network bandwidth usage and maximize the user experience. In typical computer desktop applications, ADDERLink INFINITY FX uses

remarkably little bandwidth. When it needs to deliver full screen motion video, it has the capability to process full screen moving video in real time.

#### Video Colour Accuracy

The received video colour is the same as the sent colour every time. There is never a loss of clarity with the ADDERLink INFINITY FX.

#### USB 2.0 True Emulation

ADDERLink INFINITY FX enables you to connect most USB devices from mice and keyboards through to graphics tablets, jog shuttles, joysticks, 3D explorers and USB flash drives. However currently Isochronous devices like web cams and USB microphones are not supported.

#### Digital Stereo Audio

ADDERLink INFINITY FX delivers crystal clear stereo audio digitally across the network. This ensures continuous fidelity and channel separation between the Tx and Rx units, or even in Multicast environments.

#### RS232 channels

The ADDERLink INFINITY FX includes a bi-directional RS232 interface which can be used to connect devices like touch screens or industrial control equipment.

Point to Point or via 1 GbE Network switch. You can connect directly together or you can route through a network switch. These devices are capable of

# ADDERLink INFINITY FX

ADDERLink INFINITY FX - Digital media KVM extender over Fiber

working as a digital matrix switch with the addition of the ADDERLink INFINITY Manager (A.I.M.).

- Two single link DVI links (2 x 1920 x 1200 maximum) or a Single Dual Link DVI link (2560 x 1600 maximum)
- 2 channel Digital Audio
- USB 2.0 True Emulation
- Bi-directional RS232
- Fall back option over CATx
- Point to point direct connect or through 1Gbe Network switch

## TECHNICAL SPECIFICATIONS

### Hardware compatibility

All computers with DVI (inc. dual head and dual link), USB, Audio, RS232 - requirement dependent

### Software compatibility

All known operating systems

### Computer connections Transmitter (Tx)

Video: DVI-D x 2, Audio 3.5mm in, Audio 3.5mm out, USB type B, RS232 9 pin D-Type, SFP slot

### Computer connections Receiver (Rx)

Video: DVI-D x 2, Audio 3.5mm in, Audio 3.5mm out, USB type A x 4, RS232 9 pin D-Type, SFP slot

### Physical design

1U compact case, robust metal construction. 198mm/7.92" (w), 44mm/1.76" (h), 150mm/6" (d), 1.1kg/2.7lbs.

### Power

2.5mm DC jack (power adapter included), 100-240VAC 50/60Hz, 0.4A, input to power adapter, 5VDC 20W output from power adapter

### Operating temperature

0 to 40°C / 32 to 104°F

### Approvals

CE, FCC

## ORDERING INFORMATION

**ALIF2002/P-MM-XX:** ADDERLink INFINITY dual Pair with 2 Multimode SFP fiber modules

**ALIF2002/P-SM-XX:** ADDERLink INFINITY dual Pair with 2 Single mode SFP fiber modules

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

## ADDITIONAL ACCESSORIES

Two 19" rack mount brackets (screws included):

**RMK4S:** one unit per 1U rack slot

**RMK4D:** two units per 1U rack slot

## WHATS IN THE BOX

1 x ADDERLink INFINITY dual TX  
1 x ADDERLink INFINITY dual RX  
2 x SFP-XX-LC (SM = Single mode, MM = Multimode)  
2 x 100-240VAC 50/60Hz to 5V (20W)  
1 x Dual link DVI + USB A to B Cable (2 Meters)  
1 x Single link DVI cable (2 Meters)  
2 x 3.5mm jack Audio cables (3 Meters)

## RELATED PRODUCTS

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

**ADDERLink X-DVI PRO**  
X-DVIPRO



**ADDERLink X-DVI PRO**  
MultiScreen  
X-DVI PRO MS



**ADDERLink INFINITY**  
ALIF1000



**ADDERLink INFINITY**  
Manager  
AIM



© Copyright 2012 Adder Technology Ltd. All brand names and trademarks are the property of their respective owners. L'Malif2000FX\_v2.indd

**ADDER TECHNOLOGY**  
Saxon Way, Bar Hill,  
Cambridge, CB23 8SL UK  
Tel: +44 (0)1954 780044 Fax: +44 (0)1954 780081  
email: sales@adder.com www.adder.com

**ADDER CORPORATION**  
350R Merrimac St.  
Newburyport, MA 01950 USA  
Tel: +1 888 932 3337 Fax: +1 888 275 1117  
email: usasales@adder.com www.adder.com

**ADDER TECHNOLOGY ASIA PACIFIC**  
8 Burn Road  
#04-10 Trivex, Singapore 369977  
Tel: +65 6288 5767 Fax: +65 6284 1150  
email: asiasales@adder.com www.adder.com



**ADDER**®