High density, small form factor,
secure DVI, USB & Audio over IP
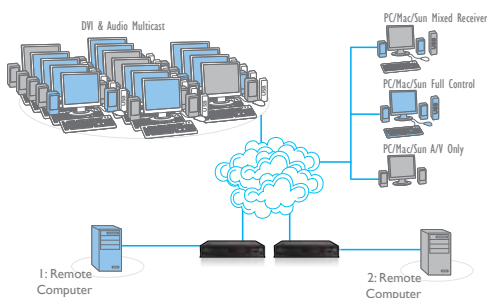
ADDERLink INFINITY dual

Pure digital media extension over IP featuring dual head & dual link video

PRODUCT IN BRIEF

ADDERLink INFINITY dual allows you to build a flexible infrastructure, the likes of which have not been possible before. Locate computers anywhere you like, share connections to computers, watch the interactions others have with computers, share control, collaborate, switch computers, and so on. The ADDERLink INFINITY range is also the first of its kind to allow multicasting across your network.

The ADDERLink INFINITY dual interfaces USB peripherals such as the keyboard, mouse or graphics tablet, together with DVI for the video display, over a layer 3, standard gigabit ethernet network, on copper or fiber.

DVI & Audio Multicast

PC/Mac/Sun Mixed Receiver

PC/Mac/Sun Full Control

PC/Mac/Sun A/V Only

1: Remote Computer

2: Remote Computer

FEATURES

Dual link or dual head DVI
The ADDERLink INFINITY dual features full DVI connectivity for either dual link or dual head applications. DVI delivers native digital video signals from your computer to your digital panel (LCD for example) without the need to convert signal types from the digital domain. By delivering native digital video throughout the ADDERLink INFINITY network, you can be assured of accuracy on each and every pixel.

Network Topology - CATx or fiber
You can configure your network topology to best suit your needs. If you simply want to extend one computer Tx to one user Rx, you can do so by connecting both Tx and Rx units via a low cost CATx cable or fiber. Distance is not limited - a single copper network cable will deliver IP traffic up to 100 meters away. If you want to go further, simply add a network switch in to achieve an additional 100 meters. This can be done as many times if you wish.

The ADDERLink INFINITY network is assumed to be a private network which you manage. As such, you can control maximum data rates generated by each Tx unit to ensure absolute stability.

Perfect Digital Video
The ADDERLink INFINITY makes use of multiple video encode 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.

USB True Emulation
Like the ADDERLink INFINITY, the ADDERLink INFINITY dual enables you to connect any USB human interface device from mice and keyboards through to graphics tablets, jog shuttles, joysticks and 3D explorers. Furthermore, most other USB devices can also be attached, such as Mass Storage devices.

Wireless Connectivity
Because of the efficient manner in which ADDERLink INFINITY dual constructs data for IP transmission, it is perfectly reasonable to make use of standard off-the-shelf wireless routing to connect either Rx or Tx units to your network. Typical desktop applications (word processing, datasheet etc.) will use very little bandwidth.

USB 2.0
The ADDERLink INFINITY dual uses USB 2.0 connectivity to interface with your keyboard and mouse, and any other peripheral you wish to use. USB is the most broadly used computer peripheral interface standard available.

Digital Stereo Audio
ADDERLink INFINITY dual 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.

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FEATURES continued...

A.I.M./API Control
Using A.I.M. gives access to advanced management functions including an EPG style on screen displaying a window which appears in front of the users screen detailing the channels available to them. An administrator can specify different channels and permissions for each user.

RS232 Interface
The ADDERLink INFINITY dual includes a bidirectional RS232 interface which can be used to connect devices such as touch screens, simple printers or to control external equipment, and feedback remote data sources.

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 50
X-50;
X-50-MS MultiScreen version

ADDERLink IP GOLD
ALIP-GOLD

ADDERLink X200
X200/R; X200A/R;
X200AS/R

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 12.5W output from power adapter

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

Approvals
CE, FCC

ORDERING INFORMATION

ALIF2000/P-XX: INFINITY dual pair including Tx and Rx units
ALIF2000/T-XX: INFINITY dual Tx (transmitter unit only)
ALIF2000/R-XX: INFINITY dual Rx (receiver unit only)

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

ADDITIONAL ACCESSORIES

RMK4V: VESA mounting bracket (screws inluded), can also be used to secure to walls and other surfaces
Two 19" rack mount brackets (screws included):
RMK4S: one unit per 1U rack slot
RMK4D: two units per 1U rack slot

SFP Fiber module: Single mode
SFP Fiber module: Multimode
Fiber Patch cables: Single mode/Multimode

ADDER®