Fanless, small form factor,
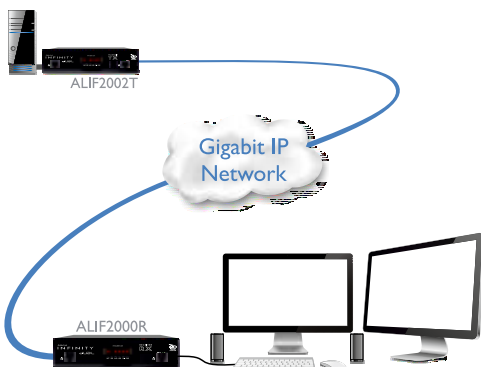Dual Link DVI-D, USB, audio and serial

ADDERLink INFINITY dual

Dual Link or dual head digital video and USB2.0 over a single cable

PRODUCT IN BRIEF

AdderLink Infinity dual is a high performance KVM (Keyboard, Video and Mouse) extender that forms part of the ALIF matrix solution. This enables you to locate your critical computing hardware in a secure and temperature controlled environment away from the user work station, whilst maintaining a pixel perfect desktop experience.

- Plug and play,
- 100m extension distance on single CATx; unlimited using standard IP network,
- 500m to 10km over fiber,
- Dual Link or dual head configuration,
- 2560 x 1600@60Hz maximum resolution,
- USB mass storage supported plus: Keyboard, mouse tablet and touch,
- Support for MacPro,
- Redundant network operation.

ALIF2002T

Gigabit IP Network

ALIF2000R

FEATURES

Perfect digital video, real time control
Using a spatially-lossless encoding system, with 1:1 pixel mapping, AdderLink Infinity provides pixel perfect and color accurate video with no artefacts. The digital video you receive is the same as the digital video leaving the remote computer.

Single CATx cable or fiber with immunity from interference
From the outset we designed AdderLink Infinity units around a highly robust signaling method. This vital core asset is what gives you the freedom to use the full variety of cable links that you typically find within an average structured cabling system. The result is that you can achieve reliable links, regardless of whether the cables are CAT5e, CAT6 or CAT7. The AdderLink Infinity dual also offers the option of up to 10km distances with fiber.

Unlimited extension distances
Extension distance is not limited to a single 100 meter cable length - If you need to extend further, simply add a 1GbE network device to achieve an additional 100 meters. This can be repeated many times. The units are also fitted with SFP cages to accept fiber optic transceivers which enable much greater extension distances.

Support for MacPro (Dithered Video)
Some graphics cards use a technique called dithering to give the appearance of a deeper color depth than is actually the case. As a result, dithering can significantly increase the normal video data rates. ALIF2002T has a feature called Magic Eye which supports dithering without allowing it to degrade overall link performance.

USB 2.0 with class control
Enables connection of USB devices from mice and keyboards through to graphics tablets, jog shuttles, joysticks and 3D explorers, alongside mass storage devices. For applications where security is of high importance, the system has the ability to disable the use of non-HID devices, meaning there is no need to physically block USB ports to prevent the use of mass storage devices.

EDID management
Intelligent EDID management allows the true characteristics of the monitor to be passed back to the computer. This ensures perfect video display without the additional configuration.

Plug and Play
AdderLink Infinity extender devices are delivered in a zero config state so you can plug them in and start working on them straight away. There is no need for drivers or software to be installed.

Redundant network operation
The units are able to detect whether the network is in operation and can automatically change to its second network port if it detects a failure.

AdderLink Infinity Matrix
With the addition of AdderLink Infinity management system (A.I.M.) you can turn multiple point-to-point extenders into a truly scalable digital KVM matrix system that allows any workstation to link with any computer connected to the network. See the Adderlink Infinity Matrix data sheet for details.

Fiche technique

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.

RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products you may find useful are:

ADDERLink INFINITY
ALIF1000P, ALIF1000T, ALIF1000R

ADDERLink INFINITY dual VNC
ALIF2112T

ADDERLink INFINITY Manager
ALIF-AIM, ALIF-AIM-8, ALIF-AIM-16

Command and Control Switch
CCS4USB

TECHNICAL SPECIFICATIONS

Hardware compatibility
All computers with DVI-D, USB, Audio, RS232 - requirement dependent.

DVI-D - Digital Visual Interface (digital only)
The system supports either two Single Link DVI-D resolutions to a maximum of 1920 x 1200 @ 60Hz or one Dual Link to a maximum of 2560 x 1600 @ 60Hz.

USB 2.0 with class control
Supports USB2.0 devices (low, full and high speed). Security feature allows the blocking of non HID devices. Isochronous devices are not supported (e.g. USB audio or video devices).

Digital stereo audio
The system transfers analog stereo audio (Line In/Line Out) via digital signalling between any transmitter/receiver pair. Additionally, the audio output of any transmitter can be multicast to many receivers.

RS232
RS232 can be passed between the units to a maximum baud rate of 115,200. RS232 is a point to point connection technology and cannot be multicast.

Software compatibility
All known operating systems.

Computer connections transmitter (TX)
2 x DVI-D, audio 3.5mm in, audio 3.5mm out, USB type B, RS232 9-pin D-type 1 x 8p8c and 1 x SFP for AdderLink Infinity network connections.

Peripheral connections receiver (RX)
2 x DVI-D, audio 3.5mm in, audio 3.5mm out, 4 x USB type A, RS232 9-pin D-type 1 x 8p8c and 1 x SFP for AdderLink Infinity network connections.

Physical design
1U compact case, robust metal construction. 198mm/7.92" (w), 44mm/1.76" (h), 150mm/6.0" (d), 1.1kg/2.7lbs.

Power
2.5mm DC jack (power adapter included),100-240VAC 50/60Hz, 0.8A, input to power adapter. 5VDC 20W output from power adapter.

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

Approvals
CE, FCC.