ADDER®

Digital KVM extender

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

ADDERLink INFINITY 1002

Single link, single head digital video and USB2.0 over a single cable

PRODUCT IN BRIEF

AdderLink Infinity 1002 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,
- Single link or single head configuration,
- 1920 x 1200@60Hz maximum resolution,
- USB mass storage supported plus: Keyboard, mouse tablet and touch,
- Support for MacPro,
- Redundant network operation.

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

AdderLink Infinity is engineered to provide a highly robust signaling solution. Giving you the freedom to use the full variety of cable that you find within an average structured network. The result is that you can achieve reliable links, regardless of whether the cables are CAT5e, CAT6 or CAT7.

Unlimited extension distances

Extension distance is not limited to a single 100m cable length - If you need to extend further, simply add a 1GbE network device to achieve an additional 100m. This can be repeated many times. The units are also fitted with SFP cages to accept fiber optic which enable extension distances of up to 10km with fiber.

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. ALIF1002T features Magic Eye which supports dithering without allowing it to degrade performance.

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.

VGA support package

DVI to VGA convertor. You can now support VGA with the Adder DVA/ALIF convertor package. See overleaf for order information.

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 secure applications, 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 CPU. This ensures pixel perfect video without added 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

Adding the 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.

ADDERLink INFINITY 1002

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

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:

ADDERLink INFINITY dual
ALIF2002P, ALIF2002T, ALIF2000R

ADDERLink INFINITY dual VNC
ALIF2112T

ADDERLink INFINITY Manager
AIM-24; AIMLIC-48; AIM-LIC-96; AIMLIC-192; AIMLIC-288; AIMLIC-UNL

Adder CCS-PRO4
CCS-PRO4

Adder DVA
Adder DVA

TECHNICAL SPECIFICATIONS

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

DVI-D - Digital Visual Interface (digital only)
The system supports a Single Link DVI-D resolution to a maximum of 1920 x 1200 @ 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)
1 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)
1 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.

ORDERING INFORMATION

ALIF1002P-XX: INFINITY pair including Tx and Rx units
ALIF1002T-XX: INFINITY Tx (transmitter unit only)
ALIF1002AT-XX: INFINITY Tx (VGA transmitter unit only)
ALIF1002R-XX: INFINITY Rx (receiver unit only)

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

ADDITIONAL ACCESSORIES

RMK4V: VESA mounting bracket (screws included), 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-R2: Two units per 1U rack slot
VSCD1: Single link DVI-D to DVI-D video cable
VSC24: USB cable 2m (type A to B)
SFP-MM-LC: Multimode fiber optic module with LC connectors for up to 500m
SFP-SM-LC: Single mode fiber optic module with LC connectors for up to 10km
SFP-CATX- RJ45: SFP to CATx converter module
PSU-RPS-5V: 12v to 5v power adaptor, compatible with Adder RED_PSU

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.

© Copyright 2016 Adder Technology Ltd. All brand names and trademarks are the property of their respective owners. SC-alif1002_v1.3.indd

ADDER TECHNOLOGY
Head Office
Tel: +44 (0)1954 780044 Fax: +44 (0)1954 780081
email: sales@adder.com www.adder.com

ADDER CORPORATION
USA and Canada
Tel: +1 888 932 3337 Fax: +1 888 275 1117
email: usasales@adder.com www.adder.com

ADDER ASIA
Asia Pacific
Tel: +65 6288 5767 Fax: +65 6284 1150
email: asiasales@adder.com www.adder.com

ADDER®