



**A dual-link, dual-head digital video and USB fanless KVM extender that runs over a single cable on your standard IP network. Available with fiber access modules.**

ADDERLink INFINITY Dual is a high performance KVM extender that forms part of the ADDERLink INFINITY Range. This enables you to locate your critical computing hardware in a secure and temperature controlled environment away from the user work station, while maintaining a pixel-perfect desktop experience.

## ADDERLink® INFINITY Dual 2002

### 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.

### 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, which can be repeated many times. Also fitted with SFP cages to accept fiber optic transceivers for much greater distances.

### USB 2.0 with Class Control

Supports USB devices including graphics tablets, jog shuttles, joysticks and 3D explorers, alongside mass storage devices. For secure applications, the system can 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.

### Single CATx Cable or Fiber with Immunity from Interference

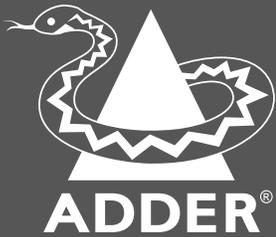
Using standard IP technology allows a choice of single structured cable (CATx) or fiber connection achieving reliable links without interference.

### Support for Mac Pro® (Dithered Video)

A "dithering" technique seen with graphics cards can give the appearance of a deeper color depth than is true, which can significantly increase the normal video data rates. ALIF2002T has a "Magic Eye" feature which supports dithering without allowing it to degrade overall link performance.

### ADDERLink INFINITY Matrix

With the addition of the ADDERLink INFINITY management system (AIM), you can turn multiple point-to-point extenders into a scalable digital KVM matrix system that allows any workstation to link with any computer connected to the network. See the AIM datasheet for details.



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### 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.

### Redundant Network Operation

The units support network teaming allowing for full network redundancy and increased resilience for mission-critical applications.

### Plug and Play

ADDERLink INFINITY 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.

### Analog Audio

The ALIF2002 supports bi-directional stereo audio input via 3.5mm jack connectors.

### Video Information (1 Screen)

|                                      |            |
|--------------------------------------|------------|
| <b>Maximum Resolution (1 Screen)</b> | 2560 x1600 |
| <b>Frame Rate (1 Screen)</b>         | 60 Hz      |
| <b>Color Depth (1 Screen)</b>        | 8 bpc      |

### Video Information (2 Screen)

|                                       |             |
|---------------------------------------|-------------|
| <b>Maximum Resolution (2 Screens)</b> | 1920 x 1200 |
| <b>Frame Rate (2 Screens)</b>         | 60 Hz       |
| <b>Color Depth (2 Screen)</b>         | 8 bpc       |

### Video Additional Information

|                                     |   |
|-------------------------------------|---|
| <b>Video Additional Information</b> | The system supports either two Single Link DVI-D resolutions to a maximum of 1920 x1200 @ 60Hz or one Dual Link to a maximum of 2560 x1600 @ 60Hz |
|-------------------------------------|---|

### Computer Connections

|              |     |
|--------------|-----|
| <b>USB B</b> | 1x, |
| <b>DVI-D</b> | 2x  |

### Link Ports

|                    |    |
|--------------------|----|
| <b>8p8c (RJ45)</b> | 1x |
| <b>SFP</b>         | 1x |

### Serial Ports

|                                      |   |
|--------------------------------------|---|
| <b>Serial Connection</b>             | 1x RS232  |
| <b>Maximum Baud Rate</b>             | 115,200   |
| <b>Serial Additional Information</b> | RS232 can be passed between the units to a maximum baud rate 115K2. |

### Audio Connections

|                        |                |
|------------------------|----------------|
| <b>Audio Type</b>      | Analog         |
| <b>Channels</b>        | 2x             |
| <b>Audio Direction</b> | Bi-directional |
| <b>Size (bit)</b>      | 16             |
| <b>Speed (kHz)</b>     | 48             |
| <b>Audio In Port</b>   | 1x 3.5mm jack  |
| <b>Audio Out Port</b>  | 1x 3.5mm jack  |

### Network Support

|  |  |
|--|--|
| <b>Bandwidth</b>                           | 1GbE   |
| <b>10/100 Support</b>                      | No   |
| <b>Environmental</b>                       |  |
| <b>Operating Temperature Range °C / °F</b> | 0 to 40 °C / 32 to 104 °F  |
| <b>Storage Temperature °C / °F Range</b>   | 0 to 40 °C / 32 to 104 °F  |
| <b>Operating Humidity (%)</b>              | 10% - 90% (non-condensing)   |
| <b>Altitude m/ft</b>                       | 2,000 / 6562   |
| <b>Mean Time Between Failure (MTBF)</b>    | 500,000 h  |
| <b>MTBF Standard</b>                       | Telcordia SR332 Issue 4 March 2016 Calculated @ 55C  |
| <b>Temperature Regulation</b>              | Fanless  |
| <b>Power Source</b>                        |  |
| <b>5V</b>                                  | 1x   |
| <b>Power Consumption</b>                   |  |
| <b>Maximum Power (Watts)</b>               | 20   |
| <b>Typical Power (Watts)</b>               | 12   |
| <b>Physical Design</b>                     |  |
| <b>Construction Material</b>               | Robust metal construction  |
| <b>U size</b>                              | 1  |
| <b>Width (mm) / (in.)</b>                  | 198 / 7.8  |
| <b>Height (mm) / (in.)</b>                 | 44 / 1.7   |
| <b>Depth (mm) / (in.)</b>                  | 150 / 5.9  |
| <b>Weight (kg) / (lb)</b>                  | 1.1 / 2.4  |
| <b>Compatibility</b>                       |  |
| <b>OS Compatibility</b>                    | All known operating systems  |
| <b>System Requirements</b>                 | Isochronous devices are not supported (e.g. USB audio or video devices).   |
| <b>Approvals and Standards</b>             |  |
| <b>Approvals</b>                           | CE, cULus - E476334, FCC, ICES, RCM, UKCA  |
| <b>Standards</b>                           | ANSI 63.4, BSEN60950, EN55032 /CISPR 32, EN55035/CISPR 35, EN61000-3-2, EN61000-3-3, EN63000, FCC pt15B, ICES003 |
| <b>Other</b>                               | Cal Prop 65, China ROHS, EU REACH, UK REACH  |



### What's in the Box?

1x ALIF Dual 2002T

1x PSU-IEC-5VDC-4A: Mains power supply

1x IEC PSU cable of country code

1x VSCD3: 2m/6.5ft Dual link DVI cable

1x VSCD1: 2m/6.5ft Single link DVI cable

1x VSC24: 2m/6.5ft USB cable

2x VSC22: 2m/6.5ft Audio cable

### Ordering Information

ALIF2002T-XX

ALIF2002 Transmitter

### Related Accessories (Sold Separately)

ADDER® Rack Mount Kit RMK4S

ADDER® Rackmount Kit RMK4D-R2

ADDER® Rackmount Kit RMK4V

ADDER® SFP-SM-LC

ADDER® SFP-CATX-RJ45

ADDER® SFP-MM-LC

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