



A high performance dual-head IP KVM matrix solution with support for 5K video and multigigabit Ethernet connectivity.

The ADDERLink® INFINITY 4001 (ALIF4001) is a high performance IP KVM extender that forms part of the ALIF matrix solution. This enables the relocation of critical computing hardware into a secure and temperature controlled environment away from the user work station; while maintaining a pixel-perfect desktop experience.

## ADDERLink® INFINITY 4001T

Matrix

### Features



#### 5K Resolutions and High Frame Rate Supported

The ALIF4001 can deliver two 5K video resolutions and ultra-wide video resolutions (5120x1440@60Hz or 5120x2880@30Hz) or higher refresh rates of up to 240Hz (HD@240Hz) over a single IP connection.



#### Perfect Digital Video, Real-Time Control

Using a spatially-lossless encoding system, with 1:1 pixel mapping, the ALIF4001 provides pixel-perfect and color accurate video with no artifacts. The digital video received is the same as the digital video leaving the remote computer.



#### 10-bit Per Colour and HDR10

The ALIF4001 allows greater color depth of 10 bits per pixel (or 30 bits per color) and supports both SDR10 and HDR10.



#### Multigigabit Ethernet Support

The ALIF4001 supports 1 and 10GbE over fiber via the SFP slots along with Multirate (1/2.5/5/10) GbE. This enables premium video performance over standard CAT6 cable up to 100m.



#### Flexible and Scalable Extender or Switch

Each ALIF4000 series unit can be configured as a simple extender or self-managed distributed KVM switch. Each receiver can see up to 16 sources and rapidly switch between them.



#### ADDERLink® INFINITY Matrix

With the addition of the ADDERLink® INFINITY management system (AIM), 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.



### USB2.0 for Fast Switching

Allows fast switching speeds plus supports USB devices including graphics tablets, jog shuttles, joysticks and 3D explorers. The system can also disable mass storage devices, so there is no need to physically block USB ports.



### Multi-channel Digital Audio Support

Up to eight channels of digital audio via DisplayPort™ are supported to provide a high-quality immersive sound experience. The systems also supports bi-directional stereo analog audio (line in/line out) and headsets and microphones.



### 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 additional configuration. The EDID can also be fixed by the ALIF transmitter.



### Plug and Play

ALIF 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.



### USB 2.0 High Speed Support

Plug and play support for USB devices that use isochronous communication such as USB microphones, headsets, speakers, web cams or compound devices like some keyboards which include the above features.



### Full Touchscreen Control

Dual touchscreen support including on-screen keyboard and floating launch button with configurable size which can be positioned anywhere on the screen.



### Redundant Network Operation

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



### Onboard Diagnostics Tools

Diagnostics tool maximizes uptime and assists with technical support enquiries by allowing the customer to troubleshoot network issues directly from the unit.

|                                     |  |                                                                                                                                     |
|-------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Video Information (1 Screen)</b> |  |                                                                                                                                     |
| Maximum Resolution (1 Screen)       |  | 5120 x 2880                                                                                                                         |
| Color Depth (1 Screen)              |  | 10 bpc                                                                                                                              |
| <b>Video Information (2 Screen)</b> |  |                                                                                                                                     |
| Maximum Resolution (2 Screens)      |  | 5120 x 2880                                                                                                                         |
| Color Depth (2 Screen)              |  | 10 bpc                                                                                                                              |
| <b>Video Additional Information</b> |  |                                                                                                                                     |
| Video Additional Information        |  | Supports resolutions up to 5120 x 2880 including UHD or DCI and refresh rates up to 240Hz.<br>Up to 10-bit per color SDR and HDR10. |
| <b>Computer Connections</b>         |  |                                                                                                                                     |
| USB B                               |  | 1x 2.0, Transparent, True Emulation, High Speed                                                                                     |
| Full Size DisplayPort               |  | 2x                                                                                                                                  |
| <b>Link Ports</b>                   |  |                                                                                                                                     |
| SFP+                                |  | 2x                                                                                                                                  |
| <b>Audio Connections</b>            |  |                                                                                                                                     |
| Audio Type                          |  | Analog/Digital                                                                                                                      |
| Channels                            |  | 2x                                                                                                                                  |
| Audio Additional Information        |  | Analog Line in/out 2 channel 16bit 48KHz 1V RMS in/1V RMS out.<br>2x DisplayPort™ Audio in either 2, 6 or 8 channels linear PCM     |
| Size (bit)                          |  | 16                                                                                                                                  |
| Speed (kHz)                         |  | 48                                                                                                                                  |
| Audio In Port                       |  | 1x 3.5mm jack                                                                                                                       |
| Audio Out Port                      |  | 1x 3.5mm jack                                                                                                                       |
| <b>Network Support</b>              |  |                                                                                                                                     |
| Bandwidth                           |  | 2x 10GbE or 2x 1GbE (no 10/100 support) via SFP or;<br>2x 10,5,2.5GbE and when using SFP-CATX-MR SFP                                |
| 10/100 Support                      |  | No                                                                                                                                  |
| <b>Environmental</b>                |  |                                                                                                                                     |
| Operating Temperature Range °C / °F |  | 0 to 50 °C / 32 to 122 °F                                                                                                           |
| Storage Temperature °C / °F Range   |  | 0 to 50 °C / 32 to 122 °F                                                                                                           |
| Operating Humidity (%)              |  | 10% - 90% (non-condensing)                                                                                                          |

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Storage Humidity (%)             | 10% - 90% (non-condensing)                                                                                            |
| Altitude m/ft                    | 2,000 / 6562                                                                                                          |
| Mean Time Between Failure (MTBF) | 159,000 h                                                                                                             |
| <b>Power Source</b>              |                                                                                                                       |
| 12V 3-pin                        | 1x                                                                                                                    |
| <b>Power Consumption</b>         |                                                                                                                       |
| Typical Power (Watts)            | 20                                                                                                                    |
| <b>Physical Design</b>           |                                                                                                                       |
| Construction Material            | Aluminium and steel construction                                                                                      |
| Width (mm) / (in.)               | 215 / 8.5                                                                                                             |
| Height (mm) / (in.)              | 40 / 1.6                                                                                                              |
| Depth (mm) / (in.)               | 210 / 8.3                                                                                                             |
| Weight (kg) / (lb)               | 1.8 / 4                                                                                                               |
| <b>Compatibility</b>             |                                                                                                                       |
| OS Compatibility                 | Windows, macOS                                                                                                        |
| <b>Approvals and Standards</b>   |                                                                                                                       |
| Approvals                        | CE, cULus - E476334, FCC, ICES, RCM, UKCA                                                                             |
| Standards                        | ANSI 63.4, EN/IEC 62368-1, EN55032 /CISPR 32, EN55035/CISPR 35, EN61000-3-2, EN61000-3-3, EN63000, FCC pt15B, ICES003 |
| Other                            | Cal Prop 65, China ROHS, EU REACH, UK REACH                                                                           |
| <b>Packing Box</b>               |                                                                                                                       |
| Length (mm) / (in.)              | 285 / 11.2                                                                                                            |
| Width (mm) / (in.)               | 245 / 9.6                                                                                                             |
| Depth (mm) / (in.)               | 145 / 5.7                                                                                                             |
| Weight (kg) / (lb)               | 2.5 / 5.5                                                                                                             |



### What's in the Box?

1x ALIF4001 Transmitter

1x PSU-IEC-12VDC-5A : Power supply unit

1x IEC PSU cable of country code

2x VSCD10A: 2m/6.5ft DisplayPort cable

1x VSC24: 2m/6.5ft USB cable

2x VSC22: 2m/6.5ft Audio cable

### Ordering Information

ALIF4001T-XX                      ALIF4001 Transmitter

### Related Accessories (Sold Separately)

ADDER® SFP-SM-LC-10G

ADDER® VSCD DisplayPort™ Cable

ADDER® SFP-MM-LC-10G

ADDER® SFP-SM-LC

ADDER® SFP-CATX-RJ45

ADDER® SFP-MM-LC

ADDER® Rackmount Kit RMK12-SH

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