



# ADDERLink™ INFINITY 4000

IP KVM Matrix



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

## Features

### Dual-head 5K screens over a single link

The ADDERLink™ INFINITY 4000 (ALIF4000) can deliver two 5K screens over a single link.

### 10-bit per colour and HDR10

Allows greater color depth, supports both SDR10 and HDR10.

### Multigigabit Ethernet support

Multirate (1/2.5/5/10) GbE support enables premium video performance over standard CAT6 cable up to 100m.

### Support for 1GbE

Integrated 1GbE ports enable easy delivery of 4K to 5K video over ubiquitous 1Gb/s copper links using 100m of standard CAT5e or CAT6 cable.

### Enhanced resiliency

Dual-multirate or 1GbE ports can be teamed together for enhanced resiliency or improved video capability.

### Support for 5K resolutions

5K video resolutions supported for high resolution and ultra-wide video applications (5120x1440 @60Hz or 5120x2880 @30Hz).

### High frame rate support

Refresh rates up to 240Hz supported for HD video resolutions.

### High speed USB2.0

Supports transparent USB communication up to 480Mbps for those using mass storage devices, mouse and keyboard, graphics tablets, jog shuttles, joysticks and 3D explorers.

### Perfect digital video

Using the same encoding system as the other products in the ADDERLink INFINITY (ALIF) range, the digital video is spatially lossless, with 1:1 pixel mapping, ensuring that the digital video you receive is the same as the one leaving your remote computer.

### Backwards compatibility

The ALIF4000 can integrate seamlessly into your existing ADDERLink™ INFINITY setup, replacing or working in conjunction with your existing ALIF endpoints.

### Isochronous Communication

Plug and play support for USB devices and third-party tools, such as Blackmagic Design DaVinci Resolve Color Grading Panels.

### Audio capability

Multi-channel digital audio, via DisplayPort™, provides a high-quality immersive sound experience.

### Onboard diagnostics tool

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

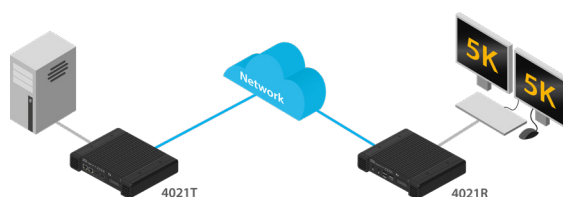
### Flexible and scalable

Each ALIF4000 unit can be configured as a simple extender or distributed KVM switch. Each receiver can see up to 16 sources or can be connected to the ADDERLink INFINITY Manager (AIM) to create a larger and more fully featured matrix.

## Product In Brief

The ADDERLink™ INFINITY 4000 (ALIF4000) is the world's first dual-head, 5K high performance IP KVM matrix over a single fiber. Fully compatible with the existing ADDERLink INFINITY (ALIF) range, and supported by the ADDERLink INFINITY Manager (AIM), the ALIF4000 can be used as a point-to-point extender or easily integrated into a wider matrix system.

- Dual-head 5K video, digital audio and Hi-Speed USB2.0 over a single link
- Supports up to 10-bit per color SDR and HDR10
- Pixel-perfect image quality
- Multi-channel digital audio via DisplayPort™
- Adder's USB True Emulation for fast switching
- Backwards compatibility with all of the ALIF range
- Flexible and scalable
- Full touch screen control with floating launch icon and on screen keyboard



## Technical Specifications

### Video resolution

- Supports resolutions up to 5120x2880 including UHD or DCI and refresh rates up to 240Hz
- Up to 10-bit per color SDR and HDR10

### Audio

- Analog Line in/out 2 channel 16bit 48KHz 1V RMS in/1V RMS out
- 2x DisplayPort™ Audio in either 2, 6 or 8 channels linear PCM

### USB

- 4 ports of USB2.0 with Adder's USB True Emulation to support keyboard, mouse and touch
- One port of transparent Hi-Speed USB2.0
- USB device seen as: 7 or 13 port hub

### Ethernet

- 2x 10GbE (no 10/100/1000 support on fiber) via SFP
- 2x 10,5,2.5 and 1GbE when using SFP-CATX-MR SFP



ALIF4000 RX - Front & Rear

- 2x 1GbE (no 10/100 support) via CATX ports

### Connections

#### Local Unit - Transmitter (TX)

- Computer: 2x DisplayPort™, 2x USB type B, 2x 3.5mm audio jack sockets, 1x DB9 socket
- Ethernet: 2x 8p8c (RJ45), 2x SFP+ cages
- Power: 3 pin Kycon socket

#### Remote Unit - Receiver (RX)

- Desk: 2x DisplayPort™, 5x USB type A, 2x 3.5mm audio jack sockets, 1x 3.5mm SPDIF socket
- Ethernet: 2x 8p8c (RJ45), 2x SFP+ cages
- Power: 3 pin Kycon socket

### Physical

#### Dimensions

- (L)210mm /8.3" x (W)215mm/8.5" x (D)40mm/1.6"
- Weight: 1.8kg/4lbs

### Materials

- Aluminum and steel construction



ALIF4000 TX - Front & Rear

### Power

- External power: 12VDC, 5A
- Typical power consumption: 20W

### Operating temperature

- Operating temperature: 0 to 40°C/32 to 104°F
- Storage temperature: 0 to 40°C/32 to 104°F
- Storage and operating relative humidity: 10-90% non-condensing
- Altitude: < 2000m

### Packing Box

- Dimensions: (L)285mm/11.2" x (W)245mm/9.6" x (D)145mm/5.7"
- Weight: 2.5kg/5.5lb

### Approvals

- CE and FCC: See the compliance web page for the full list

### Mean Time Between Failure

- ALIF4021T 159,000 hrs
- ALIF4021R 165,000 hrs
- Telcordia SR332 Issue 4 March 2016 Calculated @55°C

### Cable types recommendations

- See manual

### Cable length rules

- See manual

## Ordering Information

**ALIF4021T-XX:** ALIF4000 Transmitter

**ALIF4021R-XX:** ALIF4000 Receiver

### What's in the Box?

**ALIF4021R-XX:** ALIF4000 Receiver

1x PSU cable

1x IEC cable

**ALIF4021T-XX:** ALIF4000 Transmitter

2x 2m/6.5ft DisplayPort™ cable

1x 2m/6.5ft USB cable

2x 2m/6.5ft Audio cables

1x PSU and IEC cable

### Accessories (Sold Separately)

**PSU-IEC-12VDC-5A:** IEC power supply

**VSCD10A:** 2m/6.5ft DisplayPort™ cables

**RMK12:** Rack mount kit for 2 units in 1U

**RMK12-BP:** Half width blanking plate for RMK12

**SFP-MM-LC-10G:** 10GbE Multimode SFP fiber modules with LC connectors

**SFP-SM-LC-10G:** 10GbE Single mode SFP fiber modules with LC connectors

**SFP-CATX-MR:** (1/2.5/5/10) GbE multirate SFP for CATX cable

## About Adder

Adder is a leading developer and thought leader in connectivity solutions. Adder's advanced range of 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 China, Germany, Japan, the Netherlands, Singapore, Spain, France, Sweden, United Kingdom and United States.

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THE IP KVM PEOPLE

DATA SHEET