



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.

Multigigabit Ethernet support

Multirate (1/2.5/5/10) GbE support enables premium video performance over 5Gb/s copper links using 100m of standard CAT6 cable.

Support for 1GbE

Integrated 1GbE ports enable easy delivery of 4K/60 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 480 Mbps for those using mass storage devices, mice, keyboards, graphics tablets, joysticks, joysticks and 3D explorers.

Perfect digital video

Using the same encoding system as the other products in the ADDERLink INFINITY 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 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.

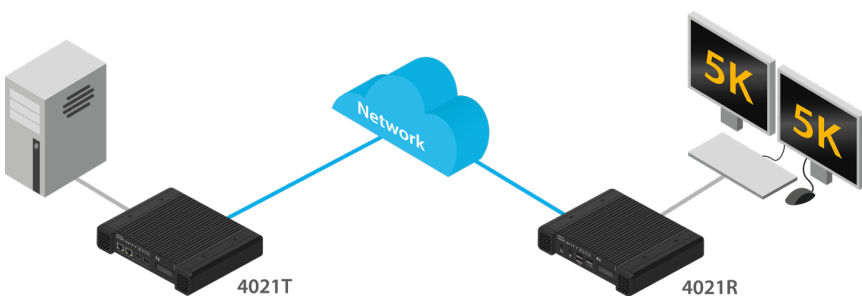
Plug and Play

The ADDERLink INFINITY range is delivered in a zero config. state so they work as soon as they are connected, without the need for drivers or software.

Product In Brief

The ALIF4000 is the world's first dual-head, 5K high performance IP KVM matrix over a single fiber. Fully compatible with the existing INFINITY 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 high speed USB2.0 over a single link
- Pixel-perfect image quality
- Multi-channel digital audio via DisplayPort™
- Adder's USB True Emulation for fast switching
- Backwards compatibility
- Plug and play



Technical Specifications

USB

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

Max video resolution

- Supports resolutions up to 5120x2880 including UHD or DCI and refresh rates up to 240Hz

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

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



ALIF4000 RX - Front & Rear

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/4 lbs.

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-inch (W) 245mm/9.6inch (D) 145mm/5.7inch
- 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 DP cable. 2m

1x USB cable. 2m

2x Audio cables. 2m

1x PSU and IEC lead

Accessories (Sold Separately)

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

VSCD10A: 2m/6.5ft. DP 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: 10,5,2.5 and 1GbE 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