ADDERLink®
INFINITY 4001

IP KVM Matrix | **DisplayPort™ Connectors**

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

Part of the ADDERLink INFINITY 4000 Series.

Features

Dual-head 5K screens over a single link
The ADDERLink INFINITY 4000 Series (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.

Enhanced resiliency
Dual-multirate 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 DA VINCI® 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.
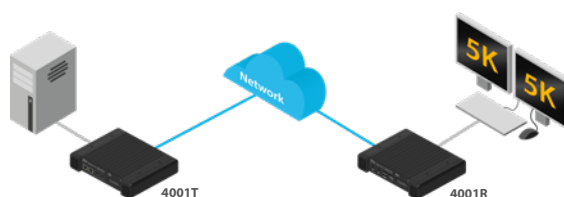
Flexible and scalable
Each ALIF4000 unit can be configured as a simple extender or distributed KVM switch. Each receiver can see up to 16 sources or can be connected to the ADDERLink INFINITY Manager (AIM) to create a larger and more fully featured matrix.

Product In Brief

The ADDERLink INFINITY 4000 Series (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™ connectivity

- 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

4001T   4001R

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 DP 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 or 2x 1GbE (no 10/100 support) via SFP or:
- 2x 10,5,2.5GbE and when using SFP-CATX-MR SFP

Connections

Local Unit - Transmitter (TX)

- Computer: 2x DisplayPort™, 2x USB type B, 2x 3.5mm audio jack sockets, 1x DB9 socket
- Ethernet: 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 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

Power

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

Operating temperature

- Operating temperature: 0 to 50°C/32 to 122°F
- Storage temperature: 0 to 50°C/32 to 122°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

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

Mean Time Between Failure

- ALIF4001T 159,000 hrs
- ALIF4001R 165,000 hrs
- Telcordia SR332 Issue 4 March 2016 Calculated @55°C

Cable types recommendations

- See manual

Cable length rules

- See manual

ALIF4001 TX - Front & Rear

ALIF4001 RX - Front & Rear

Ordering Information

ALIF4001T-XX: ALIF4001 Transmitter
ALIF4001R-XX: ALIF4001 Receiver
(XX: Mains Lead Country Code)

What's in the Box?

ALIF4001R-XX: ALIF4001 Receiver
1x PSU cable
1x IEC cable

ALIF4001T-XX: ALIF4001 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-MM-LC: 1GbE Multimode SFP fiber modules with LC connectors

SFP-SM-LC: 1GbE Single mode SFP fiber modules with LC connectors

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

SFP-CATX-RJ45: 1GbE SFP module 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.

To find out more, visit: adder.com

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