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

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.

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.

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.

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.

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.

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.

Video Information (1 Screen)	
Maximum Resolution (1 Screen)	5120 x 2880
Color Depth (1 Screen)	10 bpc

Video Information (2 Screen)	
Maximum Resolution (2 Screens)	5120 x 2880
Color Depth (2 Screen)	10 bpc

Video Additional Information	
Video Additional Information	Supports resolutions up to 5120 x 2880 including UHD or DCI and refresh rates up to 240Hz. Up to 10-bit per color SDR and HDR10.

Computer Connections	
USB B	1x 2.0, Transparent,True Emulation,High Speed
Full Size DisplayPort	2x

Link Ports	
SFP+	2x

Audio Connections	
Audio Type	Analog/Digital
Channels	2x
Audio Additional Information	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
Size (bit)	16
Speed (kHz)	48
Audio In Port	1x 3.5mm jack
Audio Out Port	1x 3.5mm jack

Network Support	
Bandwidth	2x 10GbE or 2x 1GbE (no10/100 support) via SFP or; 2x 10,5,2.5GbE and when using SFP-CATX-MR SFP
10/100 Support	No

Environmental	
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

Power Source	
12V 3-pin	1x

Power Consumption	
Typical Power (Watts)	20

Physical Design	
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

Compatibility	
OS Compatibility	Windows, macOS

Approvals and Standards	
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

Packing Box	
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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