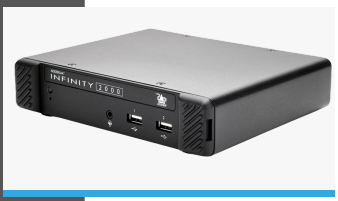

Dual-head digital video, audio, and USB2.0 over 1GbE IP network.

The ADDERLink INFINITY 2122 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 2122R

Perfect Digital Video, Real-Time Control

Using a spatially-lossless encoding system, with 1:1 pixel mapping, the ALIF2122 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.

Unlimited Extension Distances

Extension distance is not limited to a single 100 meter cable length. If you need to extend further, simply add a 1GbE network device to achieve an additional 100 meters, which can be repeated many times. Also fitted with SFP cages to accept fiber optic transceivers for much greater distances.

Flexible and Scalable Extender or Switch

Each ALIF2100 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.

Standard IP Technology

Using standard IP technology allows a choice of CATx or fiber connections (1x RJ45 1GbE SFP module included). Resilience is offered by the optional 2nd network port which provides teaming facility for load balanced and critical systems.

USB 2.0 with Class Control

Supports USB devices including graphics tablets, jog shuttles, joysticks and 3D explorers, alongside mass storage devices. For secure applications, the system can disable the use of non-HID devices, meaning there is no need to physically block USB ports to prevent the use of mass storage devices.

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. See the AIM datasheet for details.

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.

Redundant network operation

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

Dual-Touch Screen Support

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

Plug and Play

ADDERLink® INFINITY 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.

Digital audio

The ALIF2100 series supports 2 channel digital audio input via USB and the digital video connector.

Support for Dithered Video

Allows analog or noisy video to pass through the system along with computer that dither the video to enhance the perceptive image quality. Some Mac® computers use this technique.

Video Information (1 Screen)	
Maximum Resolution (1 Screen)	2560 x1600
Frame Rate (1 Screen)	60 Hz
Color Depth (1 Screen)	8 bpc

Video Information (2 Screen)	
Maximum Resolution (2 Screens)	1920 x 1200
Frame Rate (2 Screens)	60 Hz
Color Depth (2 Screen)	8 bpc

Video Additional Information	
Video Additional Information	The system supports up to 1x 2560x1600 @60Hz or 2x 1920x1200 @60Hz

Console Connections	
USB A	4x 2.0, Full Speed,Low Speed,High Speed
Full Size DisplayPort	2x

Link Ports	
SFP	2x

Serial Ports	
Maximum Baud Rate	115,200
Serial Additional Information	RS232 or other serial standards can be passed between the units to a maximum baud rate of 115,200 by using serial to USB converters

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

Network Support	
Bandwidth	1GbE
10/100 Support	No

Environmental	
Operating Temperature Range °C / °F	0 to 40 °C / 32 to 104 °F
Storage Temperature °C / °F Range	0 to 40 °C / 32 to 104 °F
Operating Humidity (%)	10% - 90% (non-condensing)
Storage Humidity (%)	10% - 90% (non-condensing)
Altitude m/ft	2,000 / 6562
Mean Time Between Failure (MTBF)	347,000 h
MTBF Standard	Telcordia SR332 Issue 4 March 2016 Calculated @ 55C
Temperature Regulation	Fanless

Power Source	
12V 3-pin	1x
Input Power Supply	External Power Supply Unit (see manual)

Power Consumption	
Maximum Power (Watts)	18
Typical Power (Watts)	7

Physical Design	
Construction Material	Robust metal construction
U size	1
Width (mm) / (in.)	186 / 7.3
Height (mm) / (in.)	39 / 1.5
Depth (mm) / (in.)	150 / 5.9
Weight (kg) / (lb)	1.1 / 2.4

Compatibility	
OS Compatibility	All known operating systems
System Requirements	Isochronous devices are not supported (e.g. USB audio or video devices).

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

What's in the Box?

1x ALIF2122 Receiver

1x PSU-IEC-12VDC-1.5A: Mains power supply

1x IEC PSU cable of country code

1x SFP-CATX-RJ45: 1GbE SFP module for CATx cable

Ordering Information

ALIF2122R-XX	ALIF2122 Receiver

Related Accessories (Sold Separately)

ADDER® Rackmount Kit RMK15-SH

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