

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

The ADDERLink® INFINITY 1104 is a high performance IP KVM extender that forms part of the ADDERLink INFINITY range. 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 1104T (HDMI)

Features



Perfect Digital Video, Real-Time Control

Using a spatially-lossless encoding system, with 1:1 pixel mapping, the ADDERLink INFINITY 1104 (ALIF1104) 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.



Standard IP Technology

Using standard IP technology allows a choice of CATx or fiber connections. Resilience is offered by the optional second network port which provides teaming facility for load balanced and critical systems.



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.



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.



Flexible and Scalable Extender or Switch

Each ALIF1100 model 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.



ADDERLink® INFINITY Matrix

With the addition of the ADDERLink® INFINITY Management (AIM) system, you can turn multiple point-to-point extenders into a scalable digital KVM matrix system that allows any workstation to link with any computer connected to the network.

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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.



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.



Redundant Network Operation

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



Digital Audio

The ALIF1100 models supports two channel digital audio input via USB and the digital video connector.



Touch Screen Support

Touch screen support including onscreen keyboard and floating launch button with configurable size which can be positioned anywhere on the screen



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	
Color Depth (1 Screen)	8 bpc	
Computer Connections		
USB B	1x 2.0, True Emulation, High Speed	
USB A	1x 2.0, True Emulation	
HDMI®	1x	
Link Ports		
8p8c (RJ45)	1x	
SFP	1x	
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		
	Analog/Digital	
Audio Type	Analog/Digital	
Audio Type Channels	Analog/Digital 2x	
Channels	2x	
Channels Audio Direction	2x Bi-directional	
Channels Audio Direction	2x Bi-directional Analog audio and audio via digital video connector	
Channels Audio Direction Audio Additional Information	2x Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional	
Channels Audio Direction Audio Additional Information Size (bit)	2x Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional 16	
Channels Audio Direction Audio Additional Information Size (bit) Speed (kHz)	2x Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional 16 48	
Channels Audio Direction Audio Additional Information Size (bit) Speed (kHz) Audio In Port	2x Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional 16 48	
Channels Audio Direction Audio Additional Information Size (bit) Speed (kHz) Audio In Port Network Support	2x Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional 16 48 1x 3.5mm jack	
Channels Audio Direction Audio Additional Information Size (bit) Speed (kHz) Audio In Port Network Support Bandwidth	2x Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional 16 48 1x 3.5mm jack	
Channels Audio Direction Audio Additional Information Size (bit) Speed (kHz) Audio In Port Network Support Bandwidth 10/100 Support	2x Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional 16 48 1x 3.5mm jack	
Channels Audio Direction Audio Additional Information Size (bit) Speed (kHz) Audio In Port Network Support Bandwidth 10/100 Support Environmental	2x Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional 16 48 1x 3.5mm jack 1GbE No	
Channels Audio Direction Audio Additional Information Size (bit) Speed (kHz) Audio In Port Network Support Bandwidth 10/100 Support Environmental Operating Temperature Range °C / °F	Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional 16 48 1x 3.5mm jack 1GbE No	
Channels Audio Direction Audio Additional Information Size (bit) Speed (kHz) Audio In Port Network Support Bandwidth 10/100 Support Environmental Operating Temperature Range °C / °F Storage Temperature °C / °F Range	Bi-directional Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional 16 48 1x 3.5mm jack 1GbE No 0 to 40 °C / 32 to 104 °F 0 to 40 °C / 32 to 104 °F	

Mean Time Between Failure (MTBF)	300,000 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.)	136 / 5.4	
Height (mm) / (in.)	39 / 1.5	
Depth (mm) / (in.)	150 / 5.9	
Weight (kg) / (lb)	0.8 / 1.8	
Compatibility		
OS Compatibility	All known operating systems	
System Requirements	Does not support HDCP or CEC control	
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 ALIF1104 Transmitt	ter	
1x PSU-IEC-12VDC-1.5A: Mains power supply		
1x IEC PSU cable of country code		
1x VSCD15: 2m/6.5ft HDMI cable		
1x VSC24: 2m/6.5ft USB cable		
1x VSC22: 2m/6.5ft Audio cable		
Ordering Information	1	
ALIF1104T-XX	ALIF1104 Transmitter	
Related Accessories (Sold Separately)		
ADDER® SFP-CATX-RJ45		
ADDER® SFP-MM-LC		
ADDER® SFP-SM-LC		
ADDER® VSC48 Cable		
ADDER® VSCD12 HDMI® Cable		
ADDER® Rackmount K	it RMK17-SH	

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